Twelfth Census of the United States.

CENSUS BULLETIN.

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MANUFACTURES.

UNITED STATES.

Hon. WILLIAM R. MERRIAM,
Director of the Census.

SIR: I transmit herewith, for publication in bulletin form, certain of the more important features of the Twelfth Census of the manufacturing and mechanical industries of the United States. This is a revised and enlarged edition of Census Bulletin 150, issued March 14, 1902, with such changes, additions, and corrections as are necessary to conform the statistics to those of the final reports, and as are required to meet the daily demands for a concise and comprehensive statement of the main results.

These statistics have been gathered in accordance with the provisions of section 7 of the act of March 3, 1899. This section requires that "The schedules of inquiries relating to the products of manufacturing and mechanical establishments shall embrace the name and location of each establishment; character of organization, whether individual, cooperative, or other form; date of commencement of operations; character of business or kind of goods manufactured; amount of capital invested; number of proprietors, firm members, copartners, or officers, and the amount of their salaries; number of employees, and the amount of their wages; quantity and cost of materials used in manufactures; amount of miscellaneous expenses; quantity and value of products; time in operation during the census year; character and quantity of power used; and character and number of machines employed."

In each of the above particulars the requirements of the law have been observed, but certain of the data thus elicited are reserved for publication in the final volumes.

The statistics contained in this bulletin are presented in 9 tables: Table 1, showing the comparative figures for the United States, 1850 to 1900; Table 2, showing a summary for all establishments, divided between the hand trades, institutions, and the manufactures proper, 1900; Table 3, showing a comparative summary, by states, 1850 to 1900; Table 4, showing a comparative summary by specified industries, 1880, 1890, and 1900; Table 5, showing the comparative figures for the 15 groups of industries, 1880, 1890, and 1900; Table 6, showing the more important items of the totals for 55 industries having products valued at over $50,000,000 in 1900, and rank by each item; Table 7, showing the amounts and kinds of power used in each state and territory, 1870 to 1900; Table 8, showing statistics of principal cities, 1880, 1890, and 1900; and Table 9, showing statistics for 1,341 cities, 1900.

In drafting the schedules of inquiry for the census of 1900 care was taken to preserve the basis of comparison with prior censuses. Comparison may be made safely with respect to all the general heads of the inquiry except those relating to capital, salaried officials, clerks, etc., and their salaries, the average number of employees, and the total amount of wages paid. Live capital—that is, cash on hand, bills receivable, unsettled ledger accounts, raw materials, stock in process of

manufacture, finished products on hand, and other sundries—was first called for at the census of 1890. No definite attempt was made, prior to the census of 1890, to secure a return of live capital invested.

Changes were made in the inquiries relating to employees and wages, in order to eliminate defects found to exist on the form of inquiry adopted in 1890. At the census of 1890 the average number of persons employed during the entire year was called for, and also the average number employed at stated weekly rates of pay, and the average number was computed for the actual time the establishments were reported as being in operation. At the census of 1900 the greatest and least number of employees were reported, and also the average number employed during each month of the year. The average number of wage-earners (men, women, and children) employed during the entire year was ascertained by using 12, the number of calendar months, as a divisor into the total of the average numbers reported for each month. This difference in the method of ascertaining the average number of wage-earners during the entire year may have resulted in a variation in the number, and should be considered in making comparisons.

At the census of 1890 the number and salaries of proprietors and firm members actively engaged in the business or in supervision were reported, combined with clerks and other officials. In cases where proprietors and firm members were reported without salaries, the amount that would ordinarly be paid for similar services was estimated. At the census of 1900 only the number of proprietors and firm members actively engaged in the industry or in supervision was ascertained, and no salaries were reported for this class. It is therefore impossible to compare the number and salaries of salaried officials of any character for the two censuses.

Furthermore, the schedules for 1890 included in the wage-earning class overseers, foremen, and superintendents (not general superintendents or managers), while the census of 1900 separates from the wage-earning class such salaried employees as general superintendents, clerks, and salesmen. It is possible and probable that this change in the form of the question has resulted in eliminating from the wage-earners, as reported by the present census, many high-salaried employees included in that group for the census of 1890. With the exception of several other changes of a minor character in the special features of the schedule, the investigation has been conducted along the lines followed at the census of 1890.

Very respectfully,

S. N. D. North

Chief Statistician for Manufactures.

UNITED STATES.

The Twelfth Census marks the close of the first complete century of manufactures in the United States. It will thus become the most important statistical basis by which will be measured the future advancement of American industry.

Table 1 presents what may be called a bird's-eye view of the progress of manufacturing and mechanical industries, as revealed by the decennial censuses from 1850 to 1900, inclusive, representing the development of the latter half of the nineteenth century.

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

	DATE OF CENSUS.						PER CENT OF INCREASE.				
	1900[1]	1890	1880	1870	1860	1850	1890 to 1900	1880 to 1890	1870 to 1880	1860 to 1870	1850 to 1860
Number of establishments	512,339	355,415	253,852	252,148	140,433	123,025	44.2	40.0	0.7	79.6	14.1
Capital	$9,835,086,909	$6,525,156,486	$2,790,272,606	$2,118,208,769	$1,009,855,715	$533,245,351	50.7	133.9	31.7	109.8	89.4
Salaried officials, clerks, etc., number	397,174	[2]461,009	(3)	(3)	(3)	(3)	[4]13.8	.....	.....	.....	.....
Salaries	$404,230,274	[2]$391,988,208	(3)	(3)	(3)	(3)	3.1	.....	.....	.....	.....
Wage-earners, average number	5,316,802	4,251,613	2,732,595	2,053,996	1,311,246	957,059	25.1	55.6	33.0	56.6	37.0
Total wages	$2,328,691,254	$1,891,228,321	$947,953,795	$775,584,343	$378,878,966	$236,755,464	23.1	99.5	22.2	104.7	60.0
Men, 16 years and over	4,116,610	3,327,042	2,019,035	1,615,598	1,040,349	731,137	23.7	64.8	25.0	55.3	42.3
Wages	$2,021,349,508	$1,659,234,483	(3)	(3)	(3)	(3)	21.8	.....	.....	.....	.....
Women, 16 years and over	1,031,609	803,686	531,639	323,770	270,897	225,922	28.4	51.2	64.2	19.5	19.9
Wages	$281,680,054	$215,367,976	(3)	(3)	(3)	(3)	30.8	.....	.....	.....	.....
Children, under 16 years	168,583	120,885	181,921	114,628	(3)	(3)	39.5	[4]33.6	58.7	.....	.....
Wages	$25,661,692	$16,625,862	(3)	(3)	(3)	(3)	54.3	.....	.....	.....	.....
Miscellaneous expenses	$1,028,035,611	$631,225,035	(5)	(5)	(5)	(5)	62.9	.....	.....	.....	.....
Cost of materials used	$7,348,144,755	$5,162,044,076	$3,396,823,549	$2,488,427,242	$1,031,605,092	$555,123,822	42.3	52.0	36.5	141.2	85.8
Value of products, including custom work and repairing	$13,014,287,498	$9,372,437,283	$5,369,579,191	$4,232,325,442	$1,885,861,676	$1,019,106,616	38.9	74.5	26.9	124.4	85.1

[1] Includes, for comparative purposes, 85 governmental establishments in the District of Columbia having products valued at $9,887,355, the statistics of such establishments for 1890 not being separable. (See Report on Manufactures, Part II, page 120.)
[2] Includes proprietors and firm members, with their salaries; number only reported in 1900, but not included in this table.
[3] Not reported separately.
[4] Decrease.
[5] Not reported.

The statistics of manufactures at the censuses prior to 1850 were too imperfect and fragmentary in character to warrant their presentation in such a table as a measure of industrial growth in the first half of the century. Even the figures shown in Table 1 must be accepted with many qualifications, as hereinafter noted.

In comparison with the figures of the census of 1850, the statistics of manufactures in 1900 show an increase in capital invested approximating seventeenfold; in the average number of wage-earners the increase was about four and one-half fold; in amount of wages paid about ninefold; and in gross value of products about twelvefold. The population of the country has in the same period increased two and one-quarter fold, and the products of agriculture from $1,600,000,000 to $4,739,118,752, or less than twofold. These comparisons are an approximate measure of the relative development of manufactures during the half century just completed.

The value of products of manufacturing and mechanical industries for 1900 was $13,014,287,498, an increase of $3,641,850,215, or 38.9 per cent, over the value shown in 1890, which was $9,372,437,283. The total value of products returned by the census of 1880 was $5,369,579,191, the increase from 1880 to 1890 being $4,002,858,092, or 74.5 per cent. While the increase during the decade ending with 1890 exceeded that for the last decade by $361,007,877, it should be borne in mind that the value of products for 1900 represents a relatively greater volume or quantity of products than is indicated by the value expressed in dollars.

Except where otherwise stated, the term "value of products" as used in this census report refers to the gross value. A constant duplication appears in this gross value, owing to the fact that the finished products of many manufacturing establishments become the materials of other establishments, in which they are further utilized and again included in the value of products. At the present census, the cost of materials was so reported as to show separately the amount purchased in the raw state and that purchased in partly manufactured form. By deducting $4,633,804,967, the cost of partially manufactured materials—hand trades and all

other establishments—from $13,004,400,143, shown in Table 2 as the gross total value of products, there remains as the net value of manufactured products, $8,370,595,176, which represents the original cost of materials, together with the value added by manufacture.

For the sake of uniformity in comparison, the statistics for establishments reporting products valued at less than $500, and also the statistics for governmental establishments (with the exception of 85 in the District of Columbia) and educational, eleemosynary, and penal institutions, as reported at the Twelfth Census, are omitted from Table 1.

Table 2 divides the industries between the hand trades and the manufactures proper. It also gives the statistics for governmental establishments, educational, eleemosynary, and penal institutions, and establishments with a product of less than $500; these establishments, for the reasons above stated, are omitted from all other tables except where their statistics are the subjects of special tables.

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

CLASSES.	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS.		Miscellaneous expenses.	COST OF MATERIALS USED.				Value of products, including custom work and repairing.
				Average number.	Total wages.		Total.	Purchased in raw state.	Purchased in partially manufactured form.	Fuel, freight, etc.	
Total	640,194	$9,861,822,864	708,738	5,373,108	$2,324,458,993	$1,030,283,385	$7,364,951,954	$2,391,672,009	$4,650,247,399	$323,032,546	$13,062,888,769
Hand trades[1]	215,814	392,442,255	242,154	559,130	288,118,421	124,623,253	482,736,991	8,851,162	462,510,619	11,375,210	1,188,615,478
Governmental establishments	[2]138						6,917,518	60,576	6,607,447	249,495	22,010,391
Educational, eleemosynary, and penal institutions	383						3,717,536	1,088,343	2,390,709	288,484	6,688,592
Establishments with a product of less than $500	127,419	44,388,065	136,127	64,702	2,120,116	2,527,607	8,903,249	1,432,148	7,444,276	26,825	29,784,643
All other establishments	296,440	9,424,992,544	330,457	4,749,276	2,034,215,456	903,132,525	6,862,676,660	2,380,289,780	4,171,294,348	311,092,532	11,820,784,665

[1] Includes bicycle and tricycle repairing, 6,331; blacksmithing and wheelwrighting, 51,791; boots and shoes, custom work and repairing, 23,574; carpentering, 21,332; clothing, men's, custom work and repairing, 22,214; clothing, women's, dressmaking, 14,485; dyeing and cleaning, 1,810; furniture, cabinetmaking, repairing, and upholstering, 6,164; lock and gun smithing, 2,108; masonry, brick and stone, 6,434; millinery, custom work, 16,153; painting, house, sign, etc., 15,300; paper hanging, 1,645; plastering and stuccowork, 1,902; plumbing and gas and steam fitting, 11,881; sewing machine repairing, 396; taxidermy, 147; typewriter repairing, 85; watch, clock, and jewelry repairing, 12,243.

[2] Eighty-five of these governmental establishments were included, for comparative purposes, in the totals for 1900 in Table 1.

Table 3 shows the comparative statistics by states and territories: 1850 to 1900; and Table 4 shows the comparative statistics by specified industries: 1880, 1890, and 1900.

TABLE 3.—COMPARATIVE SUMMARY BY STATES AND TERRITORIES: 1850 TO 1900.

STATES AND TERRITORIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
United States	1900	512,734	$9,846,628,564	397,748	$404,852,838	5,321,389	$2,330,578,010	4,121,006	1,031,760	168,623	$1,028,908,911	$7,360,993,418	$13,039,279,566
	1890	355,415	6,525,156,486	[1] 461,009	[1] 391,988,208	4,251,613	1,891,228,321	3,327,042	803,686	120,885	631,225,035	5,162,044,076	9,372,437,283
	1880	253,852	2,790,272,606	(2)	(2)	2,732,595	947,953,795	2,019,035	531,639	181,921	(3)	3,396,823,549	5,369,579,191
	1870	252,148	2,113,208,769	(2)	(2)	2,053,996	775,584,343	1,615,598	323,770	114,628	(3)	2,488,427,242	4,232,325,442
	1860	140,433	1,009,855,715	(2)	(2)	1,311,246	378,878,966	1,040,349	270,897	.....	(3)	1,031,605,092	1,885,861,676
	1850	123,025	533,245,351	(2)	(2)	957,059	236,755,464	731,137	225,922	.....	(3)	555,123,822	1,019,106,616
Alabama	1900	5,602	70,370,081	2,530	2,168,671	52,902	15,130,419	45,530	3,898	3,474	3,828,402	44,098,671	80,741,449
	1890	2,977	46,122,571	[1] 2,684	[1] 1,876,282	31,137	10,799,747	27,848	1,864	1,425	2,797,896	28,432,281	51,226,605
	1880	2,070	9,668,008	(2)	(2)	10,019	2,500,504	8,868	842	809	(3)	8,545,520	13,565,504
	1870	2,188	5,714,032	(2)	(2)	8,248	2,227,968	7,196	664	388	(3)	7,592,837	13,040,644
	1860	1,459	9,098,181	(2)	(2)	7,889	2,132,940	6,792	1,097	.....	(3)	5,489,963	10,588,566
	1850	1,026	3,450,606	(2)	(2)	4,936	1,105,824	4,397	539	.....	(3)	2,224,960	4,528,876
Alaska	1900	63	3,600,409	82	117,480	2,263	1,395,709	2,262	1	.....	170,334	1,785,776	4,250,984
	1890	10	105,727	[1] 8	[1] 3,548	78	18,625	78	.....	.....	5,252	30,198	58,440
Arizona	1900	314	10,157,408	210	267,510	3,266	2,369,065	3,186	42	38	433,272	8,464,410	21,815,189
	1890	76	616,629	[1] 70	[1] 55,981	458	302,146	440	9	9	49,231	358,814	947,547
	1880	66	272,600	(2)	(2)	220	111,180	216	2	2	(3)	380,023	618,365
	1870	18	150,700	(2)	(2)	84	45,580	84	.....	.....	(3)	110,090	185,410
Arkansas	1900	4,794	35,960,640	1,649	1,251,096	26,501	8,686,291	25,158	700	643	1,482,779	23,968,768	45,197,731
	1890	2,073	14,971,614	[1] 1,829	[1] 1,100,702	14,143	4,649,186	13,277	463	403	1,035,107	12,397,261	22,659,179
	1880	1,202	2,953,130	(2)	(2)	4,557	925,358	4,307	90	160	(3)	4,392,080	6,756,159
	1870	1,079	1,782,913	(2)	(2)	3,206	673,968	3,077	47	82	(3)	2,536,998	4,629,234
	1860	518	1,316,610	(2)	(2)	1,877	554,240	1,831	46	.....	(3)	1,280,503	2,880,578
	1850	261	305,015	(2)	(2)	842	159,876	812	30	.....	(3)	215,789	537,908
California	1900	12,582	205,395,025	7,884	8,360,829	91,047	47,425,947	71,648	17,285	2,114	16,190,282	188,125,602	302,874,761
	1890	7,923	146,797,102	[1] 10,946	[1] 10,365,862	72,696	41,172,918	59,065	11,774	1,857	12,984,191	120,243,688	213,403,996
	1880	5,885	61,243,784	(2)	(2)	43,698	21,065,905	38,311	3,922	1,460	(3)	72,607,709	116,218,973
	1870	3,984	39,728,202	(2)	(2)	25,392	13,136,722	24,040	873	479	(3)	35,351,193	66,594,556
	1860	8,468	22,043,096	(2)	(2)	49,226	28,402,287	49,171	55	.....	(3)	27,051,674	68,253,228
	1850	1,003	1,006,197	(2)	(2)	3,964	3,717,180	3,964	.....	.....	(3)	1,201,154	12,862,522
Colorado	1900	3,570	62,825,472	2,052	2,272,480	24,725	15,146,667	22,588	1,894	243	4,169,685	66,886,016	102,830,137
	1890	1,518	26,651,840	[1] 2,051	[1] 2,413,329	15,016	9,872,405	13,521	1,223	272	1,948,025	20,848,516	42,480,205
	1880	599	4,311,714	(2)	(2)	5,074	2,314,427	4,652	266	156	(3)	8,806,762	14,260,159
	1870	256	2,835,605	(2)	(2)	876	528,221	874	2	.....	(3)	1,593,280	2,852,820
Connecticut	1900	9,128	314,696,736	9,981	12,286,050	176,694	82,767,725	130,610	42,605	3,479	23,089,806	185,641,219	352,824,106
	1890	6,822	227,004,496	[1] 9,425	[1] 9,525,289	140,514	66,465,317	101,318	36,111	3,085	15,399,101	123,183,080	248,336,364
	1880	4,488	120,480,275	(2)	(2)	112,915	43,501,518	75,619	28,851	8,445	(3)	102,183,941	185,397,211
	1870	5,128	95,281,278	(2)	(2)	89,523	38,987,187	61,684	20,810	7,029	(3)	86,419,579	161,065,474
	1860	3,019	45,590,430	(2)	(2)	64,469	19,026,196	44,002	20,467	.....	(3)	40,909,090	81,924,555
	1850	3,737	25,876,648	(2)	(2)	50,731	12,435,984	34,248	16,483	.....	(3)	23,608,971	47,114,585
Dakota	1900	(4)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1890	(4)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1880	251	771,428	(2)	(2)	868	339,375	854	8	6	(3)	1,523,761	2,373,970
	1870	17	79,200	(2)	(2)	91	21,106	89	.....	2	(3)	105,997	178,570
Delaware	1900	1,417	41,208,239	1,327	1,422,831	22,203	9,259,661	17,765	3,579	859	2,155,948	26,652,601	45,387,630
	1890	1,008	33,695,400	[1] 1,427	[1] 1,261,912	20,479	8,630,475	16,219	2,890	1,370	1,851,575	21,161,752	37,571,848
	1880	746	15,655,822	(2)	(2)	12,638	4,267,349	10,250	1,426	962	(3)	12,828,461	20,514,438
	1870	800	10,839,098	(2)	(2)	9,710	3,692,195	7,705	1,199	806	(3)	10,206,397	16,791,382
	1860	615	5,452,887	(2)	(2)	6,421	1,905,754	5,465	956	.....	(3)	6,028,918	9,892,902
	1850	531	2,978,945	(2)	(2)	3,888	936,924	3,237	651	.....	(3)	2,864,607	4,649,296
District of Columbia.	1900	2,754	41,981,245	2,083	1,833,437	24,693	14,643,714	20,415	4,162	116	4,433,652	19,369,571	47,667,622
	1890	2,295	28,865,089	[1] 2,998	[1] 2,358,122	20,406	12,264,142	17,114	3,159	133	1,589,869	17,194,666	39,331,437
	1880	971	5,552,526	(2)	(2)	7,146	3,924,612	5,496	1,389	261	(3)	5,365,400	11,882,316
	1870	952	5,021,925	(2)	(2)	4,685	2,007,600	4,333	216	136	(3)	4,754,883	9,292,173
	1860	429	2,905,865	(2)	(2)	3,148	1,139,154	2,653	495	.....	(3)	2,884,185	5,412,102
	1850	403	1,001,575	(2)	(2)	2,570	757,584	2,034	536	.....	(3)	1,405,871	2,690,258
Florida	1900	2,056	33,107,477	1,778	1,295,139	34,230	10,683,038	32,188	1,668	374	2,363,626	15,637,520	36,810,243
	1890	805	11,110,304	[1] 808	[1] 594,454	13,119	5,918,614	11,539	1,312	268	1,131,067	8,021,854	18,222,890
	1880	426	3,210,680	(2)	(2)	5,504	1,270,875	4,564	558	382	(3)	3,040,119	5,546,448
	1870	659	1,679,930	(2)	(2)	2,749	989,592	2,670	20	59	(3)	2,330,873	4,685,403
	1860	185	1,874,125	(2)	(2)	2,454	619,840	2,297	157	.....	(3)	874,506	2,447,969
	1850	103	547,060	(2)	(2)	991	199,452	876	115	.....	(3)	220,611	668,335
Georgia	1900	7,504	89,789,656	4,203	3,354,946	83,842	20,290,071	66,540	10,929	6,373	5,321,330	58,232,202	106,654,527
	1890	4,285	56,921,580	[1] 4,085	[1] 2,688,200	52,298	14,623,996	42,779	5,998	3,521	4,019,539	35,774,480	68,917,020
	1880	3,593	20,672,410	(2)	(2)	24,375	5,266,152	18,937	3,619	2,319	(3)	24,143,939	36,440,948
	1870	3,836	13,930,125	(2)	(2)	17,871	4,844,508	15,078	1,498	1,295	(3)	18,583,731	31,190,115
	1860	1,890	10,890,875	(2)	(2)	11,575	2,925,148	9,492	2,083	.....	(3)	9,986,532	16,925,564
	1850	1,522	5,456,483	(2)	(2)	8,368	1,709,664	6,650	1,718	.....	(3)	3,404,917	7,082,075
Hawaii	1900	395	11,541,655	574	622,564	4,587	1,886,756	4,396	151	40	878,300	12,848,663	24,992,068
Idaho	1900	591	2,941,524	97	70,786	1,477	862,088	1,395	59	23	142,596	2,055,368	4,020,532
	1890	140	1,048,916	[1] 107	[1] 68,295	667	255,907	629	21	17	69,586	638,673	1,396,096
	1880	162	677,215	(2)	(2)	388	136,326	374	8	6	(3)	844,874	1,271,317
	1870	101	742,300	(2)	(2)	265	112,372	264	.....	1	(3)	691,785	1,047,624
Illinois	1900	38,360	776,829,598	44,342	43,337,464	395,110	191,510,962	325,713	58,978	10,419	130,876,318	789,754,414	1,259,730,168
	1890	20,482	502,004,512	[1] 31,980	[1] 28,650,314	280,218	142,373,265	241,882	32,910	5,426	79,515,193	529,019,089	908,640,280
	1880	14,549	140,652,066	(2)	(2)	144,727	57,429,085	120,558	15,233	8,936	(3)	289,843,907	414,864,673
	1870	12,597	94,368,057	(2)	(2)	82,979	31,100,244	73,045	6,717	3,217	(3)	127,600,077	205,620,672
	1860	4,268	27,548,563	(2)	(2)	22,968	7,637,921	22,489	479	.....	(3)	35,558,782	57,580,886
	1850	3,162	6,217,765	(2)	(2)	11,559	3,204,336	11,066	493	.....	(3)	8,959,327	16,534,272

[1] Includes proprietors and firm members, with their salaries; not included for 1900 in this table.
[2] Not reported separately.
[3] Not reported.
[4] See North Dakota, and South Dakota.

TABLE 3.—COMPARATIVE SUMMARY, BY STATES AND TERRITORIES: 1850 TO 1900—Continued.

STATES AND TERRITORIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Indiana	1900	18,015	$234,481,528	11,282	$10,526,293	155,956	$66,847,317	133,009	19,266	3,681	$33,052,160	$214,961,610	$378,120,140
	1890	12,354	131,605,366	[1]13,759	[1]9,172,718	110,590	42,577,258	94,960	12,315	3,315	16,500,903	130,119,106	226,825,082
	1880	11,198	65,742,962	(2)	(2)	69,508	21,960,888	62,072	3,615	3,821	(3)	100,262,917	148,006,411
	1870	11,847	52,052,425	(2)	(2)	58,852	18,366,780	54,412	2,272	2,168	(3)	63,135,492	108,617,278
	1860	5,323	18,451,121	(2)	(2)	21,295	6,318,335	20,563	732	.....	(3)	27,142,597	42,803,469
	1850	4,392	7,750,402	(2)	(2)	14,440	3,728,844	13,748	692	.....	(3)	10,369,700	18,725,423
Indian Territory	1900	789	2,624,265	135	86,067	1,714	553,899	1,625	73	16	163,174	2,225,730	3,892,181
	1890	20	204,329	[1]8	[1]6,608	167	73,222	157	3	7	11,590	127,864	248,932
Iowa	1900	14,819	102,733,103	5,664	4,486,117	58,553	23,931,680	48,417	8,248	1,888	7,988,767	101,170,357	164,617,877
	1890	7,440	77,513,097	[1]8,137	[1]5,449,377	51,037	20,429,620	44,210	5,183	1,644	5,732,206	79,292,407	125,049,183
	1880	6,921	33,987,886	(2)	(2)	28,372	9,725,962	25,382	1,431	1,559	(3)	48,704,311	71,045,926
	1870	6,566	22,420,183	(2)	(2)	25,082	6,893,292	23,395	951	686	(3)	27,682,096	46,534,322
	1860	1,939	7,247,130	(2)	(2)	6,307	1,922,417	6,142	165	.....	(3)	8,612,259	13,971,325
	1850	522	1,292,875	(2)	(2)	1,707	473,016	1,687	20	.....	(3)	2,356,881	3,551,783
Kansas	1900	7,830	66,827,362	3,860	3,256,086	35,193	16,317,689	31,171	3,162	860	5,241,450	129,485,320	172,129,398
	1890	4,471	43,926,002	[1]4,606	[1]3,040,310	28,237	13,288,175	24,846	2,510	881	5,853,466	78,845,167	110,219,805
	1880	2,803	11,192,315	(2)	(2)	12,062	3,995,010	11,139	392	531	(3)	21,463,141	30,843,777
	1870	1,477	4,319,060	(2)	(2)	6,844	2,377,511	6,599	118	127	(3)	6,112,163	11,775,833
	1860	344	1,084,935	(2)	(2)	1,735	880,346	1,700	35	.....	(3)	1,444,975	4,357,408
Kentucky	1900	9,560	104,070,791	5,079	4,687,441	62,962	22,434,185	51,101	9,174	2,687	19,581,630	82,830,415	154,166,365
	1890	7,745	79,811,980	[1]9,021	[1]6,434,915	56,558	21,326,831	46,015	8,280	2,263	15,879,728	63,677,583	126,719,857
	1880	5,328	45,813,039	(2)	(2)	37,391	11,657,844	30,949	3,529	2,913	(3)	47,461,890	75,483,377
	1870	5,390	29,277,809	(2)	(2)	30,636	9,444,524	27,687	1,159	1,790	(3)	29,497,535	54,625,809
	1860	3,450	20,256,579	(2)	(2)	21,258	6,020,082	19,587	1,671	.....	(3)	22,295,759	37,931,240
	1850	3,609	11,810,462	(2)	(2)	21,476	5,106,048	19,576	1,900	.....	(3)	12,165,075	21,710,212
Louisiana	1900	4,350	113,084,294	3,944	3,090,185	42,210	15,385,715	35,531	5,448	1,231	7,999,870	82,299,893	121,181,683
	1890	2,613	34,754,121	[1]3,524	[1]3,036,995	28,377	10,122,569	20,967	6,798	612	3,760,753	33,282,724	57,806,713
	1880	1,553	11,462,468	(2)	(2)	12,167	4,360,371	10,171	1,335	661	(3)	14,442,506	24,205,183
	1870	2,557	18,313,974	(2)	(2)	30,071	4,593,470	23,637	4,210	2,224	(3)	12,412,023	24,161,905
	1860	1,744	7,151,172	(2)	(2)	8,789	3,683,679	7,873	916	.....	(3)	6,738,486	15,587,473
	1850	1,008	5,032,424	(2)	(2)	6,217	2,033,928	5,458	759	.....	(3)	2,459,508	6,779,417
Maine	1900	6,702	122,918,826	3,329	3,171,483	74,816	28,527,849	53,701	18,913	2,202	7,774,216	68,863,408	127,361,485
	1890	5,010	80,419,809	[1]5,406	[1]3,563,635	70,374	22,962,582	46,881	21,051	2,442	5,394,694	51,520,589	95,689,500
	1880	4,431	49,988,171	(2)	(2)	52,954	13,623,318	35,431	13,777	3,746	(3)	51,120,708	79,829,793
	1870	5,550	39,796,190	(2)	(2)	49,180	14,282,205	34,310	13,448	1,422	(3)	49,379,757	79,497,521
	1860	3,810	22,044,020	(2)	(2)	34,619	8,368,691	24,827	9,792	.....	(3)	21,553,066	38,193,254
	1850	3,974	14,699,152	(2)	(2)	28,020	7,485,588	21,853	6,167	.....	(3)	13,553,144	24,661,057
Maryland	1900	9,879	163,147,260	7,585	7,380,263	108,325	38,748,551	72,824	29,617	5,884	17,209,623	144,397,680	242,552,990
	1890	7,485	119,667,316	[1]9,246	[1]7,085,418	97,808	34,441,414	67,261	26,432	4,115	10,616,347	92,059,390	171,842,593
	1880	6,787	58,742,384	(2)	(2)	74,945	18,904,965	46,698	21,700	6,547	(3)	66,937,846	106,780,563
	1870	5,812	36,438,729	(2)	(2)	44,860	12,682,817	34,061	8,278	2,521	(3)	46,897,032	76,593,613
	1860	3,088	23,230,608	(2)	(2)	28,403	7,190,672	21,630	6,773	.....	(3)	26,494,007	41,735,157
	1850	3,725	14,934,450	(2)	(2)	30,212	7,403,832	22,729	7,483	.....	(3)	17,690,836	33,043,892
Massachusetts	1900	29,180	823,264,287	27,860	31,257,630	497,448	228,240,442	341,783	143,109	12,556	73,209,015	552,717,955	1,035,198,989
	1890	26,923	630,032,341	[1]37,912	[1]33,826,172	447,270	205,844,337	305,151	133,452	8,667	63,083,782	473,199,434	888,160,403
	1880	14,352	303,806,185	(2)	(2)	352,255	128,315,362	228,834	105,976	17,445	(3)	386,972,655	631,135,284
	1870	13,212	231,677,862	(2)	(2)	279,380	118,051,886	179,032	86,229	14,119	(3)	334,413,982	553,912,568
	1860	8,176	132,792,327	(2)	(2)	217,421	56,960,913	146,268	71,153	.....	(3)	135,053,721	255,545,922
	1850	8,852	88,940,292	(2)	(3)	177,461	41,954,736	107,784	69,677	.....	(3)	85,856,771	157,743,994
Michigan	1900	16,807	284,097,133	13,858	12,562,855	162,355	66,467,867	136,627	23,092	2,636	25,495,423	199,559,905	356,944,082
	1890	12,127	262,412,240	[1]15,267	[1]11,364,892	148,674	54,982,906	133,176	12,857	2,641	18,348,381	154,521,918	277,896,706
	1880	8,873	92,930,959	(2)	(2)	77,591	25,313,682	68,445	4,784	4,362	(3)	92,900,269	150,715,025
	1870	9,455	71,712,283	(2)	(2)	63,694	21,205,355	58,347	2,941	2,406	(3)	68,142,515	118,394,676
	1860	3,448	23,808,226	(2)	(2)	23,190	6,735,047	22,144	1,046	.....	(3)	17,635,611	32,658,356
	1850	2,033	6,563,660	(2)	(2)	9,344	2,717,124	8,990	354	.....	(3)	6,136,328	11,169,002
Minnesota	1900	11,114	165,832,246	7,319	6,554,424	77,234	35,484,825	66,889	9,553	792	13,273,648	178,425,615	262,655,881
	1890	7,605	127,686,618	[1]9,839	[1]7,818,116	69,790	30,371,123	63,522	5,508	760	12,136,612	118,481,941	192,033,478
	1880	3,493	31,004,811	(2)	(2)	21,247	8,613,094	18,937	1,636	674	(3)	55,660,681	76,065,198
	1870	2,270	11,993,729	(2)	(2)	11,290	4,052,837	10,892	259	139	(3)	13,842,902	23,110,700
	1860	562	2,388,310	(2)	(2)	2,123	712,214	2,104	19	.....	(3)	1,904,070	3,373,172
	1850	5	94,000	(2)	(2)	63	18,540	63	.....	.....	(3)	24,300	58,300
Mississippi	1900	4,772	35,807,419	1,569	1,167,020	26,418	7,471,886	23,643	1,726	1,049	1,476,855	21,692,092	40,431,386
	1890	1,698	14,896,884	[1]1,352	[1]722,109	14,465	4,191,754	12,320	1,236	909	827,627	10,064,897	18,705,834
	1880	1,479	4,727,600	(2)	(2)	5,827	1,192,645	4,887	413	527	(3)	4,667,183	7,518,302
	1870	1,731	4,501,714	(2)	(2)	5,941	1,547,428	5,500	191	250	(3)	4,364,206	8,154,758
	1860	976	4,384,492	(2)	(2)	4,775	1,618,320	4,572	203	.....	(3)	3,146,636	6,590,687
	1850	947	1,815,820	(2)	(2)	3,154	771,528	3,046	108	.....	(3)	1,275,771	2,912,068
Missouri	1900	18,754	249,888,581	13,900	14,569,606	134,975	60,719,428	106,782	23,683	4,510	41,396,905	214,988,018	385,492,784
	1890	14,052	189,558,546	[1]18,936	[1]16,773,935	124,203	59,643,429	102,418	18,294	3,491	22,885,565	177,582,382	324,561,993
	1880	8,592	72,507,844	(2)	(2)	63,995	24,309,716	54,200	5,474	4,321	(3)	110,798,392	165,386,205
	1870	11,871	80,257,244	(2)	(2)	65,354	31,055,445	55,904	3,884	5,566	(3)	115,533,269	206,213,429
	1860	3,157	20,034,220	(2)	(2)	19,681	6,669,916	18,628	1,053	.....	(3)	23,849,941	41,782,731
	1850	2,923	8,576,607	(2)	(2)	15,808	4,692,648	14,880	928	.....	(3)	12,798,351	24,324,418
Montana	1900	1,080	40,945,846	563	837,971	10,117	7,969,886	9,713	287	112	1,668,487	32,702,650	57,075,824
	1890	289	4,293,794	[1]310	[1]295,800	2,386	1,652,413	2,300	75	11	296,684	2,375,093	5,507,573
	1880	196	899,390	(2)	(2)	578	318,759	574	3	1	(3)	1,006,442	1,835,867
	1870	201	1,794,300	(2)	(2)	701	370,843	697	2	2	(3)	1,316,331	2,494,511
Nebraska	1900	5,414	71,982,127	2,657	2,325,038	24,461	11,570,688	21,059	2,626	776	6,935,399	102,197,707	143,990,102
	1890	3,014	37,569,508	[1]3,426	[1]2,713,093	20,450	10,271,478	18,263	1,473	714	5,395,242	67,334,532	93,037,794
	1880	1,403	4,881,150	(2)	(2)	4,793	1,742,311	4,464	120	209	(3)	8,208,478	12,627,336
	1870	670	2,169,963	(2)	(2)	2,665	1,429,913	2,558	81	26	(3)	2,902,074	5,738,512
	1860	107	266,575	(2)	(2)	336	105,832	334	2	.....	(3)	237,215	607,328

[1] Includes proprietors and firm members, with their salaries; not included for 1900 in this table.

[2] Not reported separately.

[3] Not reported.

TABLE 3.—COMPARATIVE SUMMARY, BY STATES AND TERRITORIES: 1850 TO 1900—Continued.

STATES AND TERRITORIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Nevada	1900	228	$1,472,784	39	$37,560	601	$416,732	563	18	20	$68,457	$826,138	$1,643,675
	1890	95	1,211,269	[1]62	[1]68,968	558	376,535	543	14	1	53,869	439,058	1,105,063
	1880	184	1,323,300	(2)	(2)	577	461,807	556	5	16	(3)	1,049,794	2,179,626
	1870	330	5,127,790	(2)	(2)	2,859	2,498,473	2,856	3	.....	(3)	10,315,984	15,870,589
New Hampshire	1900	4,671	100,929,661	2,193	2,290,210	70,419	27,620,247	46,847	21,921	1,651	6,356,131	66,348,594	118,709,308
	1890	3,229	79,375,160	[1]3,250	[1]2,320,764	60,111	21,927,290	37,509	20,933	1,669	4,363,192	47,754,152	85,770,549
	1880	3,181	51,112,263	(2)	(2)	48,831	14,814,793	29,356	16,184	3,291	(3)	43,552,462	73,978,028
	1870	3,342	36,023,743	(2)	(2)	40,783	13,823,091	25,829	12,775	2,179	(3)	44,577,967	71,038,249
	1860	2,592	23,274,094	(2)	(2)	32,340	8,110,561	18,379	13,961	.....	(3)	20,539,857	37,586,453
	1850	3,211	18,242,114	(2)	(2)	27,092	6,123,876	14,103	12,989	.....	(3)	12,745,466	23,164,503
New Jersey	1900	15,481	502,824,082	16,283	19,688,946	241,582	110,088,605	181,879	51,661	8,042	42,654,076	360,945,843	611,748,933
	1890	9,225	250,805,745	[1]13,620	[1]13,834,618	173,778	82,944,118	131,370	37,095	5,313	18,458,052	189,365,740	354,573,571
	1880	7,128	106,226,593	(2)	(2)	126,038	46,083,045	86,787	27,099	12,152	(3)	165,285,779	254,380,236
	1870	6,636	79,606,719	(2)	(2)	75,552	32,648,409	58,115	11,198	6,239	(3)	103,415,245	169,237,732
	1860	4,173	40,521,048	(2)	(2)	56,027	16,277,337	43,198	12,829	.....	(3)	41,429,100	76,306,104
	1850	4,207	22,293,258	(2)	(2)	37,830	9,364,740	29,068	8,762	.....	(3)	22,011,871	39,851,256
New Mexico	1900	420	2,698,786	95	95,792	2,600	1,350,586	2,499	72	29	204,337	2,914,138	5,605,795
	1890	127	965,938	[1]95	[1]62,366	849	470,361	818	16	15	76,638	691,420	1,516,195
	1880	144	463,275	(2)	(2)	557	218,731	553	.....	4	(3)	871,352	1,284,846
	1870	182	1,450,695	(2)	(2)	427	167,281	423	1	3	(3)	880,957	1,489,868
	1860	82	2,008,350	(2)	(2)	1,074	341,306	1,044	30	.....	(3)	367,892	1,249,123
	1850	23	68,300	(2)	(2)	81	20,772	81	.....	.....	(3)	110,220	249,010
New York	1900	78,658	1,651,210,220	74,480	82,075,648	849,056	408,855,652	605,686	230,181	13,189	221,886,271	1,143,791,776	2,175,726,900
	1890	65,840	1,130,161,195	[1]98,018	[1]96,466,083	752,066	370,380,559	545,453	194,350	12,263	122,042,219	871,264,085	1,711,577,671
	1880	42,739	514,246,575	(2)	(2)	531,533	198,634,029	364,549	137,455	29,529	(3)	679,612,545	1,080,696,596
	1870	36,206	366,994,320	(2)	(2)	351,800	142,466,758	267,378	63,795	20,627	(3)	452,065,452	785,194,651
	1860	22,624	172,895,652	(2)	(2)	230,112	65,446,759	176,885	53,227	.....	(3)	214,813,061	378,870,939
	1850	23,553	99,904,405	(2)	(2)	199,349	49,131,000	147,737	51,612	.....	(3)	134,655,674	237,597,249
North Carolina	1900	7,226	76,503,894	3,001	2,434,621	70,570	13,868,430	44,549	15,644	10,377	9,118,637	53,072,388	94,919,663
	1890	3,667	32,745,995	[1]2,589	[1]1,278,415	33,626	6,552,121	22,665	6,227	4,733	3,329,101	22,789,187	40,375,450
	1880	3,802	13,045,639	(2)	(2)	18,109	2,740,768	12,818	2,939	2,352	(3)	13,090,937	20,095,037
	1870	3,642	8,140,473	(2)	(2)	13,622	2,195,711	11,339	1,422	861	(3)	12,824,693	19,021,327
	1860	3,689	9,693,703	(2)	(2)	14,217	2,689,441	12,102	2,115	.....	(3)	10,203,228	16,678,698
	1850	2,663	7,456,860	(2)	(2)	14,601	2,383,456	12,473	2,128	.....	(3)	4,602,501	9,111,050
North Dakota	1900	1,130	5,396,490	168	141,432	2,398	1,222,472	2,168	193	37	302,492	5,615,793	9,183,114
	1890	382	2,894,553	[1]348	[1]243,749	1,499	759,132	1,398	85	16	236,909	3,087,161	5,028,107
	1880	(4)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1870	(4)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ohio	1900	32,398	605,792,266	30,003	29,351,045	345,869	153,955,330	287,789	53,711	4,369	69,728,206	447,849,677	832,438,113
	1890	28,673	402,793,019	[1]38,566	[1]30,321,084	292,982	128,447,799	244,900	41,531	6,551	45,002,325	341,016,464	641,688,064
	1880	20,699	188,939,614	(2)	(2)	183,609	62,103,800	152,217	18,563	12,829	(3)	215,334,258	348,298,390
	1870	22,773	141,923,964	(2)	(2)	137,202	49,066,488	119,686	11,575	5,941	(3)	157,131,697	269,713,610
	1860	11,123	57,295,303	(2)	(2)	75,602	22,302,989	65,749	9,853	.....	(3)	69,800,270	121,691,148
	1850	10,622	29,019,538	(2)	(2)	51,491	13,467,156	47,054	4,437	.....	(3)	34,678,019	62,692,279
Oklahoma	1900	870	3,352,064	202	159,554	2,054	807,826	1,876	140	38	246,081	4,449,944	7,083,938
	1890	72	95,519	[1]48	[1]19,592	147	52,326	133	3	11	21,970	56,518	180,445
Oregon	1900	3,088	33,422,393	1,280	1,323,155	17,236	8,333,433	15,120	1,821	295	2,242,795	26,108,313	46,000,587
	1890	1,523	32,122,051	[1]2,038	[1]1,975,495	16,760	9,559,734	15,754	806	200	2,108,668	21,793,578	41,432,174
	1880	1,080	6,312,056	(2)	(2)	3,473	1,667,046	3,280	96	97	(3)	6,954,436	10,931,232
	1870	969	4,376,849	(2)	(2)	2,884	1,120,173	2,753	67	64	(3)	3,419,756	6,877,887
	1860	309	1,337,238	(2)	(2)	978	635,256	968	10	.....	(3)	1,431,952	2,976,761
	1850	52	843,600	(2)	(2)	285	388,620	285	.....	.....	(3)	809,560	2,236,640
Pennsylvania	1900	52,185	1,551,548,712	47,439	48,605,173	733,834	332,072,670	574,606	126,093	33,135	134,344,269	1,042,434,599	1,834,790,860
	1890	39,339	991,243,115	[1]50,169	[1]42,215,788	570,393	263,375,215	460,939	87,035	22,419	74,841,458	773,734,637	1,381,794,901
	1880	31,232	474,510,993	(2)	(2)	387,072	134,055,904	284,359	73,046	29,667	(3)	465,020,563	744,818,445
	1870	37,200	406,821,845	(2)	(2)	319,487	127,976,594	256,543	43,712	19,232	(3)	421,197,673	711,894,344
	1860	22,363	190,055,904	(2)	(2)	222,132	60,869,165	182,593	39,539	.....	(3)	153,477,698	290,121,188
	1850	21,605	94,473,810	(2)	(2)	146,766	37,163,232	124,688	22,078	.....	(3)	87,206,377	155,044,910
Rhode Island	1900	4,189	183,784,587	4,433	5,552,189	98,813	41,114,084	64,508	29,269	5,036	12,199,283	96,392,661	184,074,378
	1890	3,377	126,483,401	[1]4,865	[1]4,688,608	81,111	33,239,313	49,684	25,602	5,825	8,825,407	76,253,023	142,500,625
	1880	2,205	75,575,943	(2)	(2)	62,878	21,355,619	37,060	18,270	7,548	(3)	58,103,443	104,163,621
	1870	1,850	66,557,322	(2)	(2)	49,417	19,354,256	28,804	14,752	5,861	(3)	73,154,109	111,418,354
	1860	1,191	24,278,295	(2)	(2)	32,490	8,760,125	20,795	11,695	.....	(3)	19,858,515	40,711,296
	1850	864	12,935,676	(2)	(2)	20,967	5,047,080	12,923	8,044	.....	(3)	13,186,703	22,117,688
South Carolina	1900	3,762	67,356,465	1,525	1,327,052	48,135	9,455,900	29,823	9,752	8,560	3,111,587	34,027,795	58,748,731
	1890	2,382	29,276,261	[1]1,914	[1]1,116,244	22,748	5,474,739	16,664	3,775	2,309	1,792,386	18,873,666	31,926,681
	1880	2,078	11,205,894	(2)	(2)	15,828	2,836,289	13,687	1,023	1,118	(3)	9,885,538	16,738,008
	1870	1,584	5,400,418	(2)	(2)	8,141	1,545,715	7,099	578	464	(3)	5,855,736	9,858,981
	1860	1,230	6,931,756	(2)	(2)	6,994	1,380,027	6,096	898	.....	(3)	5,198,881	8,615,195
	1850	1,430	6,053,265	(2)	(2)	7,066	1,127,712	5,992	1,074	.....	(3)	2,787,534	7,045,477
South Dakota	1900	1,689	7,578,895	311	184,233	3,121	1,544,409	2,776	231	114	471,528	7,827,110	12,231,239
	1890	499	3,207,796	[1]411	[1]265,725	2,011	882,693	1,846	129	36	268,214	3,523,840	5,682,748
	1880	(5)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1870	(5)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tennessee	1900	8,016	71,814,038	3,673	3,261,347	50,504	16,647,638	42,492	5,841	2,171	6,235,557	63,857,511	108,144,565
	1890	4,559	51,475,092	[1]5,272	[1]3,342,171	37,487	13,557,180	32,644	3,273	1,570	4,126,271	40,463,782	72,355,286
	1880	4,326	20,092,845	(2)	(2)	22,445	5,254,775	19,575	1,196	1,674	(3)	23,834,262	37,074,886
	1870	5,317	15,595,295	(2)	(2)	19,412	5,390,630	17,663	1,089	660	(3)	19,657,027	34,362,636
	1860	2,572	14,426,261	(2)	(2)	12,528	3,370,687	11,582	946	.....	(3)	9,416,514	17,987,225
	1850	2,887	6,527,729	(2)	(2)	12,039	2,247,492	11,080	959	.....	(3)	5,166,886	9,725,608

[1] Includes proprietors and firm members, with their salaries; not included for 1900 in this table.
[2] Not reported separately.
[3] Not reported.
[4] See territory of Dakota, of which the present state of North Dakota formed a part prior to November 2, 1889.
[5] See territory of Dakota, of which the present state of South Dakota formed a part prior to November 2, 1889.

TABLE 3.—COMPARATIVE SUMMARY BY STATES AND TERRITORIES: 1850 TO 1900—Continued.

STATES AND TERRITORIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Texas	1900	12,289	$90,433,882	3,560	$3,229,075	48,153	$20,552,355	44,199	2,913	1,041	$6,144,924	$67,102,769	$119,414,982
	1890	5,268	46,815,181	[1] 4,681	[1] 3,437,843	34,794	15,148,495	31,845	1,977	972	3,594,940	36,152,308	70,433,551
	1880	2,996	9,245,561	(2)	(2)	12,159	3,343,087	11,645	116	398	(3)	12,956,269	20,719,928
	1870	2,309	5,284,110	(2)	(2)	7,927	1,787,835	7,450	157	320	(3)	6,273,193	11,517,302
	1860	983	3,272,450	(2)	(2)	3,449	1,162,756	3,338	111	.....	(3)	3,367,372	6,577,202
	1850	309	539,290	(2)	(2)	1,066	322,368	1,042	24	.....	(3)	394,642	1,168,538
Utah	1900	1,400	14,650,948	740	566,165	6,615	3,388,370	5,579	818	218	929,173	12,853,954	21,156,183
	1890	531	6,583,022	[1] 631	[1] 524,540	4,349	2,191,265	3,657	485	207	455,968	4,252,030	8,911,047
	1880	640	2,656,657	(2)	(2)	2,495	858,863	2,042	221	232	(3)	2,561,737	4,324,992
	1870	533	1,391,898	(2)	(2)	1,534	395,365	1,465	43	26	(3)	1,238,252	2,343,019
	1860	148	443,356	(2)	(2)	389	231,701	380	9	.....	(3)	439,512	900,153
	1850	14	44,400	(2)	(2)	51	9,984	51	.....	.....	(3)	337,381	291,220
Vermont	1900	4,071	48,547,964	1,772	1,620,876	29,455	12,237,684	24,714	4,478	263	3,482,448	29,858,824	57,623,815
	1890	3,031	32,763,291	[1] 2,775	[1] 1,668,996	22,119	8,427,553	18,985	2,745	389	2,188,826	20,433,174	38,340,066
	1880	2,874	23,265,224	(2)	(2)	17,540	5,164,479	14,438	2,271	831	(3)	18,330,677	31,354,366
	1870	3,270	20,329,637	(2)	(2)	18,686	6,264,581	16,301	1,872	513	(3)	17,007,769	32,184,606
	1860	1,883	9,498,617	(2)	(2)	10,497	3,004,986	8,563	1,934	.....	(3)	7,608,858	14,637,807
	1850	1,849	5,001,377	(2)	(2)	8,445	2,202,348	6,894	1,551	.....	(3)	4,172,552	8,570,920
Virginia	1900	8,248	103,670,988	4,198	3,846,072	72,702	22,445,720	56,341	12,197	4,164	12,264,602	74,851,757	132,172,910
	1890	5,915	63,456,799	[1] 6,025	[1] 3,827,920	53,566	15,816,930	40,664	9,655	3,247	7,421,037	50,148,285	88,363,824
	1880	5,710	26,968,990	(2)	(2)	40,184	7,425,261	28,779	6,144	5,261	(3)	32,883,933	51,780,992
	1870	5,933	18,455,400	(2)	(2)	26,974	5,343,099	22,175	2,259	2,540	(3)	23,832,384	38,364,322
	1860	5,385	26,935,560	(2)	(2)	36,174	8,544,117	32,606	3,568	.....	(3)	30,840,531	50,652,124
	1850	4,740	18,109,143	(2)	(2)	29,110	5,434,476	25,790	3,320	.....	(3)	18,101,131	29,602,507
Washington	1900	3,631	52,649,760	2,242	2,164,024	33,806	19,106,873	32,325	1,216	265	3,860,455	49,099,182	86,795,051
	1890	1,543	34,369,735	[1] 1,689	[1] 1,646,720	18,677	11,011,894	18,064	483	130	2,180,557	19,917,057	41,768,022
	1880	261	3,202,497	(2)	(2)	1,147	532,226	1,110	25	12	(3)	1,967,469	3,250,134
	1870	269	1,893,674	(2)	(2)	1,026	574,986	1,025	1	.....	(3)	1,435,128	2,851,052
	1860	52	1,296,200	(2)	(2)	870	453,601	866	4	.....	(3)	502,021	1,406,921
West Virginia	1900	4,418	55,904,238	1,857	1,570,797	33,272	12,969,237	29,083	3,349	840	3,945,814	43,006,880	74,838,330
	1890	2,376	28,118,030	[1] 2,629	[1] 1,419,218	19,340	6,911,779	17,074	1,455	811	1,960,929	23,729,089	38,702,125
	1880	2,375	13,888,390	(2)	(2)	14,311	4,313,965	12,900	346	1,065	(3)	14,027,388	22,867,126
	1870	2,444	11,084,520	(2)	(2)	11,672	4,322,164	10,728	287	657	(3)	14,503,701	24,102,201
Wisconsin	1900	16,187	330,568,779	10,760	10,608,383	142,076	58,407,597	120,131	16,266	5,679	30,935,354	208,838,167	360,818,942
	1890	10,417	246,515,404	[1] 12,025	[1] 8,885,441	120,006	42,958,267	105,320	12,751	1,935	18,602,764	145,437,016	248,546,164
	1880	7,674	73,821,802	(2)	(2)	57,109	18,814,917	48,255	6,241	2,613	(3)	85,796,178	128,255,480
	1870	7,013	41,981,872	(2)	(2)	43,910	13,575,642	40,296	2,114	1,500	(3)	45,851,266	77,214,326
	1860	3,064	15,831,581	(2)	(2)	15,414	4,268,708	14,641	773	.....	(3)	17,137,334	27,849,467
	1850	1,262	3,382,148	(2)	(2)	6,089	1,712,496	5,798	291	.....	(3)	5,414,931	9,293,068
Wyoming	1900	334	2,411,435	98	99,777	2,241	1,386,140	2,179	47	15	178,532	1,885,449	4,301,240
	1890	190	1,411,184	[1] 122	[1] 91,477	1,022	787,169	957	60	5	94,073	1,084,432	2,367,601
	1880	57	364,673	(2)	(2)	391	187,798	380	.....	11	(3)	601,214	898,494
	1870	32	889,400	(2)	(2)	502	347,578	500	1	1	(3)	280,156	765,424

[1] Includes proprietors and firm members, with their salaries; not included for 1900 in this table.
[2] Not reported separately.
[3] Not reported.

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900.[1]

[At the census of 1880 salaried officials, clerks, etc., were not reported separately, and miscellaneous expenses were not reported. Proprietors and firm members, with their salaries, were included with salaried officials, clerks, etc., in 1890; their number only reported in 1900, but not included in this table. The group number indicates the group to which each industry is assigned in Table 5.]

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
	All industries	1900	512,254	$9,817,434,799	396,759	$403,711,233	5,308,406	$2,322,333,877	4,110,527	1,029,296	168,583	$1,027,755,778	$7,345,413,651	$13,004,400,143
		1890	355,415	6,525,156,486	461,009	391,988,208	4,251,613	1,891,228,321	3,327,042	803,686	120,885	681,225,035	5,162,044,076	9,372,437,283
		1880	253,852	2,790,272,606	.....	.....	2,782,595	947,953,795	2,019,035	531,689	181,921	.....	3,396,823,549	5,369,579,191
14	Agricultural implements	1900	715	157,707,951	10,046	8,368,210	46,582	22,450,880	46,174	214	194	11,394,656	43,944,628	101,207,428
		1890	910	145,313,997	3,717	3,704,667	38,827	18,107,094	38,327	288	212	11,129,548	31,603,265	81,271,651
		1880	1,943	62,109,668	.....	.....	39,580	15,359,610	38,313	73	1,194	.....	31,531,170	68,640,486
14	Ammunition	1900	33	6,719,081	204	370,568	5,231	2,560,954	3,163	2,028	40	1,078,803	7,436,748	13,027,635
		1890	35	4,368,529	109	140,531	2,158	969,951	1,381	754	23	292,856	2,759,782	6,538,959
		1880	4	824,000	.....	.....	1,066	361,778	498	553	15	.....	1,223,452	1,904,966
14	Artificial feathers and flowers.	1900	227	3,633,869	285	291,449	5,333	1,561,763	671	4,192	470	405,349	2,765,151	6,297,805
		1890	251	3,081,828	478	555,279	6,357	2,125,906	979	5,319	59	320,446	4,645,850	9,078,683
		1880	174	1,258,050	.....	.....	4,342	1,081,040	550	3,577	215	.....	2,444,418	4,879,324
4	Artificial limbs	1900	87	290,104	81	57,651	249	146,620	234	11	4	92,326	126,062	749,854
		1890	59	186,896	88	86,932	162	102,438	151	4	7	40,170	93,795	475,377
		1880	33	82,600	.....	.....	72	43,833	71	.....	1	.....	31,370	137,024
14	Artists' materials[2]	1900	21	376,736	32	37,858	200	79,267	120	74	6	29,418	249,107	497,046
		1890	39	361,460	64	63,145	242	102,196	210	23	9	45,400	190,850	531,785
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Awnings, tents, and sails	1900	858	4,342,728	450	347,357	4,400	2,038,613	2,604	1,761	35	523,961	6,480,685	11,728,843
		1890	581	3,063,009	737	626,506	3,135	1,581,729	1,979	1,133	23	325,853	4,150,180	7,829,003
		1880	151	522,700	.....	.....	1,268	334,463	526	699	43	.....	1,230,558	1,968,942
14	Axle grease	1900	29	577,195	85	82,966	127	55,238	111	16	.....	67,885	360,411	718,114
		1890	31	451,228	68	73,467	126	61,642	113	9	4	50,158	401,897	846,459
		1880	16	372,600	.....	.....	72	41,407	67	2	3	.....	209,152	365,048
10	Babbitt metal and solder	1900	51	3,115,568	145	172,423	535	294,584	530	4	1	182,246	7,998,369	9,191,409
		1890	36	954,654	88	103,946	178	84,283	170	3	.....	49,866	2,385,894	2,905,102
		1880	9	73,100	.....	.....	44	18,745	44	.....	.....	.....	214,193	262,950
2	Bags, other than paper[3]	1900	78	7,696,732	342	886,055	4,039	1,133,128	1,260	2,625	154	546,135	16,849,311	20,123,486
		1890	80	9,347,787	285	317,385	6,633	2,049,839	2,892	3,347	394	469,161	15,178,265	20,207,805
		1880	64	4,917,400	.....	.....	5,451	1,603,785	2,505	2,129	817	.....	10,085,787	13,238,253
6	Bags, paper	1900	63	6,900,291	394	415,500	2,029	683,783	1,076	935	18	282,133	4,659,001	7,359,975
		1890	56	2,321,797	182	180,378	1,200	399,714	586	653	11	216,584	3,167,717	5,023,793
		1880	80	1,304,700	.....	.....	1,569	439,620	546	883	140	.....	3,037,319	4,112,566
8	Baking and yeast powders	1900	191	8,337,723	749	835,281	1,938	717,000	959	946	33	2,482,306	7,126,967	14,568,380
		1890	150	3,587,919	426	426,889	1,441	574,241	873	543	25	705,991	4,273,796	7,406,806
		1880	110	1,350,600	.....	.....	1,042	466,252	660	326	56	.....	3,333,868	4,760,598
4	Baskets, and rattan and willow ware.	1900	550	2,989,568	185	142,921	4,396	1,280,511	3,138	920	338	177,129	1,398,374	3,851,244
		1890	403	2,702,713	429	265,114	3,303	1,004,021	2,355	657	291	250,471	1,398,483	3,633,592
		1880	304	1,852,917	.....	.....	3,119	657,405	1,976	552	591	.....	867,031	1,992,851
10	Bells	1900	23	1,033,305	73	62,382	663	307,991	593	65	5	97,265	602,356	1,247,730
		1890	22	590,420	58	43,447	372	193,780	355	14	3	36,658	389,701	823,010
		1880	20	793,120	.....	.....	773	280,169	570	14	189	.....	525,175	1,065,824
5	Belting and hose, leather	1900	105	7,410,219	443	484,874	1,667	913,937	1,605	28	34	418,155	7,500,413	10,623,177
		1890	93	4,973,420	279	334,139	1,342	780,615	1,286	36	20	268,278	6,132,704	8,633,634
		1880	96	2,748,799	.....	.....	1,227	606,087	1,138	39	50	.....	5,019,853	6,525,787
2	Belting and hose, linen	1900	7	526,059	34	43,932	254	64,102	65	184	5	64,802	452,430	717,187
		1890	9	795,909	19	29,842	273	123,524	101	168	4	46,332	427,865	777,942
		1880	1	10,000	.....	.....	10	4,500	10	.....	.....	.....	12,000	23,000
14	Belting and hose, rubber	1900	18	5,493,885	197	336,819	1,771	918,191	1,500	197	74	234,780	4,075,702	6,169,044
		1890	17	5,270,068	110	160,748	1,835	883,020	1,734	91	10	282,543	3,479,538	5,512,840
		1880	2	265,000	.....	.....	364	131,721	342	2	20	.....	863,000	1,085,000
15	Bicycle and tricycle repairing.[4]	1900	6,328	6,760,070	296	145,558	5,749	2,505,974	5,432	33	284	1,184,155	5,224,886	13,766,033
		1890	83	172,070	94	59,542	212	102,141	207	.....	5	24,067	67,332	301,709
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Bicycles and tricycles[4]	1900	312	29,783,659	2,034	1,753,235	17,525	8,189,817	16,700	517	308	2,252,604	16,792,051	31,915,908
		1890	27	2,058,072	128	123,714	1,797	982,014	1,747	15	35	242,018	718,848	2,568,326
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Billiard tables and materials.	1900	75	884,901	89	105,276	455	278,218	419	32	4	196,477	730,046	1,650,868
		1890	57	1,456,624	140	165,280	1,017	705,200	1,013	3	1	142,431	1,295,942	2,823,278
		1880	46	1,078,169	.....	.....	857	400,779	849	.....	8	.....	1,080,466	2,289,758

[1] Exclusive of statistics for Hawaii and for 85 governmental establishments in the District of Columbia.
[2] Included in other classifications in 1880.
[3] Includes 16 establishments in 1890 and 27 in 1880 reported as "bagging, flax, hemp, and jute," and 64 in 1890 and 37 in 1880 reported as "bags, other than paper."
[4] No reports received for this industry in 1880.

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
14	Blacking	1900	121	$2,718,504	459	$507,094	1,250	$424,174	445	764	41	$617,009	$2,186,809	$4,504,965
		1890	71	1,403,087	207	230,412	832	331,232	409	357	66	264,715	1,484,208	2,900,402
		1880	48	494,625	.....	.....	436	168,183	251	174	11	.....	710,629	1,491,474
16	Blacksmithing and wheelwrighting.[1]	1900	51,771	54,976,341	339	217,718	36,193	17,974,264	35,713	1	479	3,610,401	24,701,632	85,971,630
		1890	28,000	34,500,139	24,328	13,297,189	26,539	13,499,738	26,332	11	196	2,510,586	14,645,096	54,304,639
		1880	38,802	30,259,932	.....	.....	50,634	16,200,800	49,813	35	786	.....	21,276,040	62,667,129
14	Bluing	1900	65	415,119	54	41,000	220	79,380	96	107	17	50,552	244,970	575,804
		1890	53	184,472	77	56,561	155	47,633	107	33	15	21,736	186,588	457,251
		1880	23	178,650	.....	.....	146	50,245	88	53	5	.....	197,463	344,824
8	Bone, ivory, and lamp black.	1900	15	782,247	21	23,650	85	46,107	85	.....	.....	75,678	105,712	359,787
		1890	24	1,627,651	62	64,247	323	152,041	302	.....	21	84,872	485,867	1,031,030
		1880	18	627,350	.....	.....	224	80,249	198	2	24	.....	440,068	661,376
6	Bookbinding and blank book making.	1900	954	12,744,628	1,076	1,077,790	15,971	6,671,666	7,592	7,872	507	1,575,936	7,702,543	20,790,858
		1890	805	10,062,034	1,342	1,395,468	12,473	5,508,488	6,484	5,752	237	1,214,297	6,007,417	17,067,780
		1880	588	5,798,671	.....	.....	10,612	3,927,349	5,127	4,831	654	.....	5,195,771	11,976,764
5	Boot and shoe cut stock	1900	342	7,003,080	342	302,889	6,155	2,230,691	3,784	2,212	159	490,548	17,800,282	23,242,892
		1890	344	5,401,834	511	432,240	4,992	1,891,081	3,152	1,738	102	411,472	13,744,655	17,903,846
		1880	172	1,210,300	.....	.....	2,885	785,482	1,235	1,422	228	.....	5,939,249	7,531,635
5	Boot and shoe findings	1900	186	3,277,958	211	177,929	2,993	1,127,784	1,759	1,176	58	233,353	4,627,048	7,145,820
		1890	138	1,793,128	202	175,864	2,081	596,073	990	1,022	69	163,865	1,965,173	3,459,328
		1880	135	770,800	.....	.....	1,498	451,075	758	652	88	.....	1,188,817	2,144,945
5	Boot and shoe uppers	1900	133	273,796	16	7,897	256	125,627	220	34	2	27,429	401,680	700,225
		1890	317	1,216,026	355	289,012	1,353	609,324	727	604	22	125,707	1,902,926	3,346,002
		1880	81	209,264	.....	.....	437	170,425	245	174	18	.....	448,104	790,842
16	Boots and shoes, custom work and repairing.	1900	23,560	9,262,134	133	81,864	9,698	4,128,361	9,444	126	128	2,429,529	8,288,664	26,550,678
		1890	20,803	14,230,081	18,467	9,328,352	16,981	7,422,377	16,452	405	124	2,786,701	10,403,383	34,856,651
		1880	16,013	11,364,273	.....	.....	22,667	7,993,706	21,474	824	369	.....	12,524,133	30,870,127
5	Boots and shoes, factory product.	1900	1,600	101,795,233	7,843	7,757,749	142,922	59,175,883	91,215	47,186	4,521	10,766,402	169,604,054	261,028,580
		1890	2,082	95,282,311	5,643	5,707,931	133,690	60,667,145	91,406	39,849	2,435	9,217,519	118,785,831	220,649,358
		1880	1,959	42,994,028	.....	.....	111,152	43,001,438	82,547	25,122	3,483	.....	102,442,442	166,050,354
14	Boots and shoes, rubber	1900	22	33,667,533	483	597,239	14,391	6,426,579	8,248	5,942	201	2,089,154	22,682,543	41,089,819
		1890	11	17,790,970	130	153,802	9,134	3,813,073	5,126	3,924	84	943,918	11,650,787	18,632,060
		1880	9	2,425,000	.....	.....	4,662	1,469,038	2,514	1,984	164	.....	6,023,053	9,705,724
7	Bottling[2]	1900	2,064	16,620,152	987	917,088	7,680	3,539,447	7,135	136	409	2,471,707	28,087,823	41,640,672
		1890	716	5,656,705	885	759,677	3,044	1,511,678	2,904	58	82	728,173	7,937,001	13,583,418
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Boxes, cigar	1900	315	3,288,272	216	172,014	4,609	1,489,599	2,187	2,255	217	245,853	3,061,193	5,856,915
		1890	291	3,374,451	412	331,717	5,125	1,802,666	2,771	2,133	221	337,496	3,567,320	7,091,948
		1880	221	1,023,777	.....	.....	2,365	748,657	1,274	718	373	.....	1,389,700	2,903,465
6	Boxes, fancy and paper	1900	729	14,979,305	1,368	1,269,358	27,653	8,151,625	7,739	18,192	1,722	1,507,391	11,765,424	27,316,317
		1890	588	9,277,973	1,005	1,042,301	18,949	5,827,099	5,567	12,866	516	941,498	7,893,941	18,805,330
		1880	369	2,496,496	.....	.....	9,678	2,373,948	2,194	6,836	648	.....	3,578,827	7,665,553
4	Boxes, wooden packing	1900	896	21,952,757	1,043	979,632	22,034	7,827,955	19,331	1,207	1,496	1,553,710	22,807,027	38,216,384
		1890	636	13,018,456	916	861,418	13,006	5,615,707	11,240	947	819	1,011,900	14,244,503	25,513,180
		1880	602	5,304,212	.....	.....	7,722	2,769,135	6,611	405	706	.....	7,674,921	12,687,068
10	Brass[3]	1900	10	503,367	27	38,680	162	98,796	159	.....	3	34,863	1,152,635	1,419,817
		1890	14	1,208,619	39	35,334	780	401,235	780	.....	.....	53,046	1,765,605	2,549,860
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Brass and copper, rolled	1900	19	15,629,766	351	524,899	6,759	3,512,781	6,380	352	27	798,432	30,000,632	37,536,325
		1890	16	8,041,593	103	197,400	2,698	1,380,378	2,394	252	52	321,793	5,493,231	8,381,472
		1880	26	9,057,600	.....	.....	5,082	2,524,169	4,105	673	304	.....	9,523,157	14,329,731
10	Brass castings and brass finishing.	1900	442	21,925,039	860	1,044,546	11,964	6,070,762	11,055	765	144	1,222,263	18,871,141	30,343,044
		1890	453	18,663,286	960	1,164,156	10,943	5,758,333	10,277	549	117	1,222,989	12,249,607	24,344,434
		1880	396	5,740,237	.....	.....	6,237	2,729,794	5,573	263	401	.....	5,894,452	10,808,742
10	Brassware	1900	204	12,194,715	502	596,412	7,668	3,550,074	5,879	1,479	310	822,162	9,830,319	17,140,075
		1890	113	10,866,001	361	499,989	7,157	3,557,069	5,293	1,748	116	844,475	7,089,202	13,615,172
		1880	20	594,582	.....	.....	1,142	411,329	662	336	144	.....	948,118	1,523,098
1	Bread and other bakery products.	1900	14,917	81,049,553	9,177	6,067,103	60,271	27,893,170	47,926	10,452	1,893	10,427,891	95,221,915	175,657,348
		1890	10,484	45,758,489	13,921	9,668,788	38,841	19,120,259	33,345	4,672	824	6,388,722	72,507,579	128,421,535
		1880	6,396	19,155,286	.....	.....	22,488	9,411,328	18,925	2,210	1,353	.....	42,612,027	65,824,896
9	Brick and tile	1900	5,423	82,086,438	2,426	2,024,683	61,979	21,883,333	59,956	76	1,947	3,584,319	11,006,148	51,270,476
		1890	5,828	82,578,566	4,975	2,985,832	104,176	29,709,357	99,198	212	4,766	5,108,769	12,639,597	67,770,695
		1880	5,631	27,673,616	.....	.....	66,355	13,443,532	59,032	268	7,055	.....	9,774,834	32,833,587
14	Bridges	1900	196	16,768,948	716	860,774	12,181	6,711,260	12,152	1	28	1,240,399	16,258,561	30,151,624
		1890	137	10,960,218	539	730,231	8,382	4,951,133	8,359	.....	23	652,947	12,770,146	21,868,068
		1880	75	4,058,649	.....	.....	4,293	1,882,179	4,153	.....	140	.....	5,669,793	8,978,122
10	Bronze castings	1900	21	881,769	74	93,131	621	372,797	616	1	4	76,565	1,339,722	2,229,329
		1890	14	710,190	40	58,300	271	195,535	265	3	3	68,001	695,485	1,165,163
		1880	7	186,500	.....	.....	153	64,072	140	6	7	.....	498,470	670,912
14	Brooms and brushes	1900	1,526	9,616,780	900	757,631	10,349	3,788,046	7,433	2,452	464	864,094	9,546,854	18,490,847
		1890	1,235	7,743,832	1,428	1,017,633	9,556	3,299,393	7,145	1,786	625	611,554	6,900,553	14,156,383
		1880	980	4,186,897	.....	.....	8,773	2,424,040	5,798	1,715	1,260	.....	5,694,855	10,560,855
1	Butter, reworking[4]	1900	10	255,525	29	30,319	148	67,747	141	4	3	31,032	1,345,418	2,114,935
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Buttons	1900	238	4,212,568	339	296,358	8,685	2,826,238	4,086	4,131	468	393,862	2,803,246	7,695,910
		1890	106	3,089,265	205	262,787	3,831	1,411,089	1,544	2,176	111	256,846	1,551,608	4,216,795
		1880	124	2,013,350	.....	.....	5,825	1,645,130	2,128	3,052	645	.....	1,792,891	4,449,542
14	Calcium lights	1900	19	95,114	6	6,192	55	24,418	52	.....	3	11,888	34,982	118,666
		1890	15	73,402	17	15,418	80	34,152	80	.....	.....	6,696	35,048	110,062
		1880	4	19,500	.....	.....	20	10,912	20	.....	.....	.....	25,031	51,443

[1] In 1880 includes 28,101 establishments reported as "blacksmithing" and 10,701 as "wheelwrighting."
[2] No reports received for this industry in 1880.
[3] Included in other classifications in 1880.
[4] No reports received for this industry in 1880 and 1890.

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
6	Cardboard	1900	5	$1,168,495	59	$102,644	626	$264,427	344	218	64	$82,532	$705,527	$1,270,416
		1890	5	616,548	17	35,010	206	104,772	142	64	.....	38,281	701,764	1,070,805
		1880	8	443,000	.....	.....	345	116,410	166	126	53	.....	637,971	959,145
6	Card cutting and designing	1900	43	337,642	25	21,727	325	135,139	216	54	55	39,358	312,760	618,488
		1890	26	89,584	34	30,035	189	76,548	141	29	10	9,789	88,186	243,070
		1880	9	13,793	.....	.....	64	18,215	42	12	10	.....	15,610	51,670
15	Carpentering	1900	21,315	71,327,047	2,701	2,228,484	123,985	71,049,787	123,728	56	201	48,840,671	142,419,410	316,101,758
		1890	16,917	81,542,845	17,069	15,169,168	122,952	79,355,029	122,723	39	190	10,945,617	137,847,002	281,195,162
		1880	9,184	19,541,358	.....	.....	54,138	24,582,077	53,547	74	517	.....	51,621,120	94,152,139
2	Carpets and rugs, other than rag.	1900	133	44,449,299	687	881,398	28,411	11,121,383	13,860	12,468	2,083	2,751,879	27,228,719	48,192,351
		1890	173	38,208,842	385	510,857	28,736	11,122,259	13,655	13,076	2,005	1,819,441	28,644,905	47,770,193
		1880	195	21,468,587	.....	.....	20,371	6,835,218	10,104	8,570	1,697	.....	18,984,877	31,792,802
2	Carpets, rag	1900	1,014	975,190	61	32,929	1,504	492,656	1,099	348	57	110,991	681,311	1,993,756
		1890	854	975,381	782	339,631	982	310,488	745	191	46	78,182	726,419	1,714,480
		1880	396	252,604	.....	.....	724	190,792	573	88	63	.....	424,943	861,710
4	Carpets, wood	1900	31	412,357	49	34,950	608	362,112	603	4	1	67,403	418,343	1,056,702
		1890	6	333,000	19	18,464	309	136,932	305	4	.....	41,781	210,814	511,700
		1880	5	41,600	.....	.....	119	23,750	108	.....	11	.....	23,500	102,170
12	Carriage and wagon materials.	1900	588	19,085,775	1,023	1,002,199	15,387	5,987,267	14,949	233	205	1,202,666	13,048,608	25,027,173
		1890	539	13,028,161	932	842,194	9,996	4,366,233	9,532	236	228	821,743	7,387,904	16,262,293
		1880	412	7,034,718	.....	.....	7,502	2,783,004	7,237	35	230	.....	4,781,095	10,114,352
12	Carriages and sleds, children's.	1900	77	2,906,472	172	158,916	2,726	1,090,296	2,481	164	81	399,142	1,996,070	4,289,695
		1890	87	3,158,412	210	176,050	2,726	1,154,905	2,391	280	55	248,126	1,900,907	4,094,255
		1880	67	770,000	.....	.....	1,310	462,852	1,152	70	88	.....	868,054	1,677,776
12	Carriages and wagons	1900	7,632	118,187,838	4,302	4,073,932	62,540	29,814,911	61,281	846	413	6,261,469	56,676,078	121,537,276
		1890	8,614	104,210,602	9,194	7,533,221	64,259	32,665,301	63,070	627	562	6,022,972	49,889,173	114,551,907
		1880	3,841	37,973,493	.....	.....	45,394	18,988,615	43,630	273	1,491	.....	30,597,086	64,951,617
12	Cars and general shop construction and repairs by steam railroad companies.[1]	1900	1,296	119,580,273	7,096	6,210,247	173,652	96,062,329	173,209	364	79	6,293,987	109,539,013	218,238,277
		1890	716	76,192,477	1,953	1,584,242	106,632	60,213,433	106,448	128	56	95,054	66,561,526	129,461,698
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	Cars, railroad and street, and repairs, not including establishments operated by steam railroad companies.[2]	1900	193	106,721,188	1,711	1,966,310	44,063	23,342,763	43,710	115	238	3,390,922	70,046,354	107,186,359
		1890	166	48,460,687	781	866,394	35,148	18,579,304	34,689	256	203	1,944,336	47,528,561	76,352,199
		1880	130	9,272,680	.....	.....	14,232	5,507,753	13,885	13	334	.....	19,780,271	27,997,591
14	Celluloid and celluloid goods.[3]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	12	3,158,487	84	172,341	939	447,120	687	250	2	482,016	856,180	2,575,786
		1880	6	1,214,000	.....	.....	736	242,798	452	175	109	.....	389,262	1,261,540
4	Charcoal[4]	1900	183	811,225	23	15,986	1,786	431,381	1,784	.....	2	70,150	405,339	1,133,638
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	175	467,484	.....	.....	1,401	390,697	1,393	2	6	.....	320,735	976,540
1	Cheese, butter, and condensed milk.[5]	1900	9,355	36,508,015	2,828	915,442	12,865	6,170,670	11,694	1,049	122	1,590,766	109,151,205	131,199,277
		1890	4,712	16,624,163	2,320	968,604	12,601	4,422,101	11,775	725	101	875,182	51,364,574	62,686,043
		1880	3,932	9,604,803	.....	.....	7,903	1,546,495	6,419	1,330	154	.....	18,363,579	25,742,510
8	Chemicals[6]	1900	459	89,091,430	2,123	2,923,033	19,054	9,401,467	18,132	856	66	4,363,868	34,564,137	62,676,730
		1890	563	55,032,452	1,914	2,383,432	15,038	7,308,411	11,911	2,995	132	4,413,170	33,694,927	59,352,548
		1880	595	28,983,458	.....	.....	9,724	4,222,663	8,318	1,138	268	.....	24,665,766	38,640,458
9	China decorating[1]	1900	169	372,017	38	26,346	360	148,004	153	186	21	52,786	261,819	693,800
		1890	78	499,647	114	91,904	353	162,620	206	141	6	47,879	364,778	847,555
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1	Chocolate and cocoa products.	1900	24	6,890,782	289	371,063	1,314	525,875	688	592	34	773,527	6,876,682	9,666,192
		1890	11	2,630,067	70	140,557	893	456,047	544	343	6	282,891	2,892,219	4,221,675
		1880	7	530,500	.....	.....	223	82,258	110	113	.....	.....	812,403	1,302,153
14	Cleansing and polishing preparations.	1900	154	943,328	227	205,410	508	209,438	342	153	13	194,489	965,242	2,193,019
		1890	56	304,160	89	74,689	301	102,260	207	86	8	40,801	382,120	865,904
		1880	21	412,325	.....	.....	209	91,455	181	15	13	.....	237,070	500,280
10	Clocks	1900	46	8,792,653	260	352,536	6,037	2,650,703	4,519	1,371	147	382,846	3,028,606	7,157,856
		1890	27	5,727,202	94	127,500	3,491	1,808,025	2,942	510	39	272,984	1,457,778	4,228,846
		1880	22	2,474,900	.....	.....	3,940	1,622,693	2,807	630	503	.....	1,908,411	4,110,267
2	Cloth, sponging and refinishing.	1900	46	288,894	39	34,924	534	268,191	525	2	7	93,295	17,490	566,000
		1890	23	229,335	42	43,672	354	200,630	348	4	2	40,493	34,132	399,814
		1880	20	137,350	.....	.....	176	62,790	135	18	23	.....	71,960	222,560
2	Clothing, horse	1900	26	653,545	55	47,012	575	176,687	178	339	58	83,246	847,846	1,305,164
		1890	31	1,028,523	71	74,231	881	239,074	265	523	93	57,894	777,570	1,572,265
		1880	3	410,000	.....	.....	565	137,400	73	492	.....	.....	453,700	695,000
2	Clothing, men's[7]	1900	28,014	173,084,543	14,150	13,723,046	191,043	79,484,932	97,251	89,874	3,918	52,234,824	197,742,067	415,256,391
		1890	18,658	182,552,938	26,587	23,675,358	217,270	87,714,314	119,112	96,077	2,081	28,419,424	179,425,661	378,022,815
		1880	6,166	79,861,696	.....	.....	160,813	45,940,353	77,255	80,994	2,564	.....	131,363,282	209,548,460
15	Clothing, women's, dressmaking.[1]	1900	14,479	13,815,221	908	750,658	45,595	14,352,458	4,379	40,835	381	3,342,143	16,503,754	48,356,034
		1890	19,587	12,883,079	18,985	9,227,902	48,613	13,145,734	1,056	47,164	393	3,177,570	23,393,829	57,071,732
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] No reports received for this industry in 1880.

[2] Includes 108 establishments in 1900 and 78 in 1890 reported as "cars and general shop construction and repairs by street railroad companies;" 65 in 1900 and 71 in 1890 reported as "cars steam railroad, not including operations of railroad companies;" and 20 in 1900 and 17 in 1890 reported as "cars, street railroad, not including operations of railroad companies."

[3] Included in other classifications in 1900.

[4] Included in "timber products, not manufactured at mill," in 1890.

[5] Includes 113 establishments in 1900 and 160 in 1890 reported as "cheese and butter, urban dairy products," and 9,242 in 1900 and 4,552 in 1890 reported as "cheese, butter, and condensed milk, factory product."

[6] In 1880 includes 3 establishments reported as "coal tar," and 592 as "drugs and chemicals."

[7] Includes 22,134 establishments in 1900 and 13,591 in 1890 reported as "clothing, men's, custom work and repairing," 5,731 in 1900 and 4,867 in 1890 reported as "clothing, men's, factory product," and 149 in 1900 and 200 in 1890 reported as "clothing, men's, factory product, buttonholes."

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
2	Clothing, women's, factory product.	1900	2,701	$48,431,544	6,715	$6,573,618	83,739	$32,586,101	26,109	56,866	764	$11,733,695	$84,704,592	$159,339,539
		1890	1,224	21,259,528	2,859	3,384,515	39,149	15,428,272	12,963	25,913	273	3,620,042	34,277,219	68,164,019
		1880	562	8,207,273	.....	.....	25,192	6,661,005	2,594	22,253	345	.....	19,559,227	32,004,794
1	Coffee and spice, roasting and grinding.	1900	458	28,436,897	2,749	2,951,460	6,387	2,486,759	3,455	2,809	123	3,435,257	55,112,203	69,527,108
		1890	358	16,996,009	1,356	1,447,385	3,766	1,815,634	2,751	941	74	1,229,926	65,961,465	75,042,010
		1880	300	6,366,392	.....	.....	2,716	1,370,699	2,125	438	153	.....	18,201,302	22,924,894
15	Coffins and burial cases, trimming and finishing.[1]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	1,368	6,016,385	1,408	1,052,712	1,826	946,441	1,778	42	6	443,832	3,656,859	7,783,140
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Coffins, burial cases, and undertakers' goods.	1900	217	13,585,162	948	1,023,393	6,840	3,077,481	5,581	1,179	80	832,644	6,945,348	13,952,308
		1890	194	11,097,736	673	712,812	5,751	2,842,444	4,806	858	87	822,312	5,547,082	12,230,554
		1880	769	5,735,392	.....	.....	4,415	1,895,805	3,762	481	172	.....	3,776,222	8,157,760
14	Coke	1900	241	36,502,679	915	797,296	16,999	7,085,736	16,932	.....	67	2,184,968	19,665,532	35,585,445
		1890	218	17,462,729	161	113,632	8,998	4,072,632	8,942	.....	56	394,784	11,509,737	16,498,345
		1880	149	5,545,058	.....	.....	3,142	1,198,654	3,068	3	71	.....	2,995,441	5,359,489
6	Collars and cuffs, paper[2]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	3	237,764	9	13,512	82	35,125	53	29	.....	7,627	223,077	301,093
		1880	13	901,233	.....	.....	435	151,576	151	284	.....	.....	1,166,000	1,582,571
14	Combs	1900	34	832,791	71	57,541	1,399	572,467	1,174	198	27	112,243	951,514	1,976,129
		1890	31	742,200	65	68,321	742	364,715	602	123	17	61,133	344,120	1,020,835
		1880	38	533,390	.....	.....	1,026	374,785	748	250	33	.....	341,719	951,395
1	Confectionery	1900	4,297	35,155,361	5,628	4,171,191	33,583	10,867,687	15,855	15,849	1,879	6,011,512	45,534,153	81,290,543
		1890	2,921	23,326,799	5,487	3,850,441	21,724	7,783,007	11,882	9,254	588	3,302,708	31,116,629	55,997,101
		1880	1,450	8,486,874	.....	.....	9,801	3,242,852	6,157	2,827	817	.....	17,125,775	25,637,033
4	Cooperage	1900	2,146	22,568,873	838	843,668	22,938	9,200,303	22,264	76	598	1,375,524	23,299,312	40,576,462
		1890	2,652	17,806,554	2,097	1,609,117	22,555	10,056,249	22,031	194	330	1,269,618	20,636,911	38,617,956
		1880	3,898	12,178,726	.....	.....	25,973	8,992,603	24,435	42	1,496	.....	18,441,064	33,714,770
10	Copper, smelting and refining.[3]	1900	47	53,063,395	488	954,905	11,324	8,529,021	11,272	4	48	1,522,325	122,174,129	165,131,670
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Cordage and twine	1900	105	29,275,470	436	666,936	13,114	4,113,112	7,341	4,797	976	1,716,205	26,632,006	37,849,651
		1890	150	23,351,883	414	560,639	12,385	3,976,232	6,412	5,010	963	1,020,697	24,051,666	33,312,559
		1880	165	7,140,475	.....	.....	5,436	1,558,676	2,926	1,480	1,029	.....	9,330,261	12,492,171
1	Cordials and sirups	1900	39	1,153,006	112	120,994	362	116,917	228	130	4	158,157	1,505,096	2,107,132
		1890	40	783,567	106	121,874	281	111,114	202	58	21	121,207	1,231,141	1,903,200
		1880	16	128,400	.....	.....	81	42,928	81	.....	.....	.....	210,506	331,233
4	Cork, cutting	1900	62	2,683,683	136	195,468	2,340	687,796	1,013	1,144	183	329,081	2,403,829	4,392,364
		1890	65	1,869,360	119	125,649	2,019	636,369	842	884	293	119,710	1,501,902	2,840,359
		1880	46	872,384	.....	.....	792	232,846	382	270	140	.....	976,274	1,566,555
14	Corsets	1900	216	7,481,048	842	986,424	12,729	3,791,509	1,276	11,096	357	1,030,745	6,555,467	14,878,116
		1890	205	6,640,056	442	553,776	10,928	3,509,039	1,731	9,093	104	908,510	5,662,140	12,401,575
		1880	113	1,611,695	.....	.....	8,802	1,745,969	776	7,487	539	.....	3,686,821	6,494,705
2	Cotton, cleaning and rehandling.[4]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	13	116,210	14	10,820	196	43,248	88	100	8	12,026	415,005	525,595
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Cotton, compressing	1900	111	8,323,558	407	346,321	2,742	738,288	2,725	5	12	442,645	353,910	2,629,590
		1890	52	7,864,373	215	187,811	2,785	1,040,808	2,778	.....	7	324,469	254,309	2,624,027
		1880	29	3,243,800	.....	.....	1,008	573,005	1,008	.....	.....	.....	326,808	1,271,700
2	Cotton, ginning[5]	1900	11,369	23,228,130	1,174	129,964	14,135	1,930,039	14,083	11	41	571,692	3,912,303	14,748,270
		1890	1,637	3,221,987	740	130,913	6,920	650,885	6,721	93	106	176,004	542,481	2,367,450
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Cotton goods[6]	1900	1,055	467,240,157	4,902	7,350,199	302,861	86,689,752	135,721	126,882	40,258	22,112,678	176,551,527	339,200,320
		1890	905	354,020,843	2,709	3,464,734	218,876	66,024,538	88,837	106,607	23,432	16,716,524	154,912,979	267,981,724
		1880	1,005	219,504,794	.....	.....	185,472	45,614,419	64,107	91,148	30,217	.....	113,765,537	210,950,383
2	Cotton waste[6]	1900	26	2,560,759	65	93,505	1,116	336,827	570	546	.....	177,604	4,950,490	5,880,024
		1890	31	711,956	50	51,216	279	103,041	198	76	5	55,700	1,592,041	1,906,622
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	Crucibles	1900	11	1,843,616	89	154,050	671	250,654	402	269	.....	198,029	1,673,290	2,607,308
		1890	10	908,152	24	38,960	230	110,250	218	6	6	77,354	396,296	726,708
		1880	11	1,450,250	.....	.....	694	284,169	691	.....	3	.....	955,841	1,445,641
3	Cutlery and edge tools	1900	309	16,582,383	805	928,764	12,069	5,673,619	11,158	649	262	945,805	5,116,042	14,881,478
		1890	474	12,082,638	779	717,219	8,708	4,200,933	8,348	248	112	790,045	3,465,124	11,110,614
		1880	429	9,859,885	.....	.....	10,519	4,447,349	9,458	380	681	.....	4,682,222	11,661,870
15	Dentistry, mechanical[7]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	3,214	4,019,637	3,251	2,712,788	1,486	768,401	1,235	195	56	870,592	1,475,255	7,864,299
		1880	753	773,670	.....	.....	541	269,044	469	35	37	.....	455,037	1,860,647
14	Dentists' materials	1900	68	2,112,236	182	184,494	1,017	508,603	631	351	35	134,046	2,109,231	3,721,150
		1890	24	2,908,113	203	324,978	1,011	542,648	772	188	51	406,125	993,855	2,594,888
		1880	20	840,800	.....	.....	490	237,729	405	70	15	.....	247,824	860,758
8	Druggists' preparations, not including prescriptions.[5]	1900	250	16,320,120	2,046	2,274,940	5,766	2,041,061	2,600	3,110	56	3,360,429	11,022,417	23,192,785
		1890	1,805	4,624,814	1,909	1,099,014	2,031	839,686	1,773	209	49	663,883	2,411,851	6,659,797
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Drug grinding[5]	1900	26	2,837,911	102	126,623	644	291,823	545	88	11	224,335	3,315,228	4,308,144
		1890	13	337,885	25	28,883	148	74,711	132	15	1	37,213	192,321	436,766
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] No reports received for this industry in 1880 and 1900.
[2] Included in "all other industries" in 1900.
[3] No reports received for this industry in 1880 and 1890.
[4] No reports received for this industry in 1880; included in "all other industries" in 1900.
[5] No reports received for this industry in 1880.
[6] In 1900 includes 973 establishments reported as "cotton goods" and 82 as "cotton small wares."
[7] No reports received for this industry in 1900.

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
15	Dyeing and cleaning	1900	1,810	$4,673,211	595	$292,460	5,424	$2,271,066	3,167	2,128	129	$959,067	$1,434,292	$7,567,358
		1890	976	3,041,178	1,198	820,169	3,991	1,717,387	2,313	1,618	60	525,052	1,103,556	5,267,819
		1880	303	851,110	.....	.....	1,467	511,886	893	499	75	.....	581,886	1,613,943
2	Dyeing and finishing textiles.	1900	298	60,643,104	1,818	2,267,128	29,776	12,726,816	24,419	4,253	1,104	4,137,947	17,958,137	44,963,331
		1890	248	38,450,800	666	805,291	19,601	8,911,720	16,510	2,298	793	3,131,081	12,385,220	28,900,560
		1880	191	26,223,981	.....	.....	16,698	6,474,364	12,788	2,038	1,872	.....	13,664,295	32,297,420
8	Dyestuffs and extracts	1900	77	7,839,034	229	312,109	1,647	787,942	1,607	35	5	458,212	4,745,912	7,350,748
		1890	62	8,645,458	191	252,336	2,111	1,037,651	2,099	4	8	380,030	6,500,928	9,292,514
		1880	41	2,363,700	.....	.....	992	512,097	976	10	6	.....	3,918,741	5,258,038
14	Electrical apparatus and supplies.[1]	1900	580	83,130,943	4,987	4,563,112	40,890	20,190,344	34,150	6,158	582	6,788,314	48,916,440	91,348,889
		1890	189	18,997,337	688	849,138	8,802	4,517,050	7,289	1,469	44	1,154,462	8,819,498	19,114,714
		1880	76	1,509,758	.....	.....	1,271	683,164	1,132	72	67	.....	1,116,470	2,655,086
14	Electrical construction and repairs.[2]	1900	1,162	5,438,087	799	624,965	5,949	3,312,126	5,785	98	66	875,207	7,673,507	15,907,420
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Electric light and power[3]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	144	33,838,549	210	271,381	1,794	1,285,242	1,791	1	2	755,201	1,155,789	4,783,224
		1880	3	425,000	.....	.....	229	117,500	214	.....	15	.....	150,650	458,400
10	Electroplating	1900	422	1,460,692	123	98,076	2,275	1,036,750	2,061	108	106	221,674	836,726	3,007,455
		1890	313	2,051,134	397	368,723	1,765	891,752	1,602	95	68	182,826	1,048,057	3,121,642
		1880	221	865,898	.....	.....	1,441	620,848	1,257	89	95	.....	663,588	1,975,700
9	Emery wheels	1900	34	1,489,527	125	126,577	546	303,091	544	2	.....	133,466	508,753	1,381,675
		1890	17	823,059	47	47,244	245	135,356	241	2	2	81,148	186,579	726,425
		1880	11	397,900	.....	.....	112	58,253	111	.....	1	.....	109,952	322,022
14	Enameling and enameled goods.[4]	1900	129	9,184,178	303	304,950	7,675	2,259,003	5,686	1,675	314	338,992	5,466,971	9,978,509
		1890	46	422,715	70	72,464	508	224,133	371	115	22	39,607	171,658	626,884
		1880	22	295,200	.....	.....	387	98,762	324	54	9	.....	306,379	504,269
14	Engravers' materials	1900	12	104,741	13	22,154	79	46,064	79	.....	.....	18,690	143,270	289,339
		1890	16	139,920	22	20,889	139	76,450	137	1	1	13,959	61,985	203,764
		1880	11	54,500	.....	.....	70	39,840	66	3	1	.....	26,464	85,764
6	Engraving and diesinking	1900	414	790,461	68	63,773	1,034	572,874	904	59	71	147,578	225,637	1,683,690
		1890	382	794,554	467	472,422	1,168	696,651	1,105	39	24	150,239	434,506	2,187,157
		1880	246	416,840	.....	.....	852	419,646	698	62	92	.....	262,828	1,180,165
6	Engraving, steel, including plate printing.	1900	286	5,061,520	313	338,347	3,299	2,006,824	2,114	1,085	100	434,629	1,206,462	5,068,558
		1890	134	2,924,125	264	305,178	2,296	1,576,405	1,384	883	29	155,902	742,765	3,347,804
		1880	55	2,387,050	.....	.....	1,916	1,951,745	1,118	661	137	.....	648,994	2,998,616
6	Engraving, wood	1900	145	231,817	22	22,630	337	206,537	309	6	22	57,638	63,272	616,166
		1890	285	480,990	341	355,913	945	600,453	904	8	33	106,791	157,656	1,555,418
		1880	167	183,733	.....	.....	509	333,590	468	20	21	.....	68,605	734,728
6	Envelopes	1900	51	5,612,509	313	316,360	2,984	1,150,463	906	2,040	38	430,915	3,665,275	6,299,330
		1890	41	3,218,466	176	246,006	2,325	812,544	598	1,707	20	346,129	2,530,793	4,855,680
		1880	12	923,800	.....	.....	1,204	344,143	233	948	23	.....	2,346,500	3,000,617
8	Explosives[5]	1900	97	19,465,846	768	914,447	4,502	2,383,756	4,349	117	36	1,096,604	10,334,974	17,125,418
		1890	69	18,539,478	197	309,008	2,353	1,240,502	2,281	39	33	1,168,920	5,481,723	11,352,615
		1880	54	6,585,185	.....	.....	1,340	675,414	1,316	21	3	.....	3,271,549	5,802,029
14	Fancy articles, not elsewhere specified.	1900	392	5,681,806	714	614,732	5,718	1,921,578	2,417	3,056	245	719,716	4,061,400	9,046,342
		1890	377	2,386,317	558	444,836	3,396	1,234,982	1,327	1,995	74	276,390	1,844,556	4,810,450
		1880	151	1,359,450	.....	.....	2,793	1,036,672	1,676	654	463	.....	1,065,335	2,817,230
2	Felt goods	1900	36	7,125,276	136	231,065	2,688	1,024,835	1,957	658	73	356,164	3,801,028	6,461,691
		1890	34	4,460,621	124	157,916	2,142	883,380	1,474	506	162	232,871	2,809,937	4,654,768
		1880	26	1,958,254	.....	.....	1,524	439,760	1,203	233	88	.....	2,530,710	3,619,652
8	Fertilizers	1900	422	60,685,753	1,712	2,124,972	11,581	4,185,289	11,435	131	15	3,734,285	28,958,473	44,657,385
		1890	390	40,594,168	1,132	1,253,961	9,026	3,417,870	8,863	88	75	2,790,082	25,113,874	39,180,844
		1880	364	17,913,660	.....	.....	8,598	2,648,422	8,377	75	146	.....	15,595,078	23,650,795
3	Files	1900	86	3,857,647	127	153,875	3,160	1,277,199	2,649	340	171	229,076	1,166,414	3,403,906
		1890	140	2,991,988	231	228,365	2,435	1,217,576	2,258	74	103	130,310	1,038,943	3,179,649
		1880	179	1,666,550	.....	.....	2,508	957,412	2,191	49	268	.....	787,569	2,486,533
3	Firearms	1900	32	6,916,231	228	243,206	4,482	2,542,366	4,402	33	47	561,590	1,305,421	5,444,659
		1890	34	4,672,424	99	124,274	2,660	1,575,931	2,637	14	9	202,656	485,946	2,922,514
		1880	39	8,115,489	.....	.....	4,862	2,700,281	4,578	87	197	.....	1,859,026	5,736,936
14	Fire extinguishers, chemical.	1900	17	136,933	47	39,348	64	32,828	63	1	.....	23,134	70,874	217,333
		1890	9	405,733	26	32,284	56	25,594	55	1	.....	18,859	57,736	195,334
		1880	3	400,000	.....	.....	119	84,750	117	.....	2	.....	81,840	204,693
14	Fireworks[6]	1900	46	1,086,133	136	145,570	1,638	506,990	880	606	152	81,530	627,761	1,785,271
		1890	22	507,266	39	47,805	518	165,298	289	197	32	25,483	188,938	592,542
		1880	39	579,750	.....	.....	735	216,069	313	217	205	.....	840,877	1,391,132
1	Fish, canning and preserving.[7]	1900	348	19,514,215	618	585,160	13,410	4,229,638	9,781	2,533	1,146	883,363	13,282,001	22,253,749
		1890	110	3,186,975	182	120,253	5,020	1,128,143	3,787	841	392	280,660	4,710,709	6,972,268
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Flags and banners	1900	36	666,033	62	63,764	509	148,933	166	311	32	76,370	547,165	1,038,052
		1890	29	376,130	43	46,436	321	96,189	135	180	6	20,098	195,587	455,849
		1880	11	54,300	.....	.....	68	27,375	15	50	3	.....	48,200	119,600
1	Flavoring extracts	1900	352	3,319,716	594	654,225	1,254	478,975	653	573	28	461,462	3,294,380	6,314,552
		1890	148	1,361,800	262	233,071	507	208,715	341	150	16	153,406	1,430,120	2,614,514
		1880	58	404,615	.....	.....	374	129,348	238	104	32	.....	796,049	1,195,637

[1] In 1880 includes 36 establishments reported as "electrical apparatus and supplies," and 40 as "telegraph and telephone apparatus."
[2] No reports received for this industry in 1880 and 1890.
[3] In 1890 the data for this industry were confined to New York state, District of Columbia, and the city of St. Louis, Mo.; in 1900 no reports were received.
[4] Includes 19 establishments in 1890 and 3 in 1880 reported as "enameled goods," and 27 in 1890 and 19 in 1880 reported as "enameling."
[5] Includes 37 establishments in 1890 and 33 in 1880 reported as "gunpowder," and 32 in 1890 and 21 in 1880 reported as "high explosives."
[6] In 1880 reported as "explosives and fireworks."
[7] Included in other classifications in 1880.

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children under 16 years.			
2	Flax, dressed	1900	4	$71,496	12	$6,589	211	$46,000	177	9	25	$2,481	$91,082	$158,650
		1890	6	1,361,635	20	28,400	497	198,723	217	255	25	45,567	638,285	981,283
		1880	79	620,455	.....	.....	1,019	268,420	786	57	176	.....	818,243	1,810,231
1	Flouring and grist mill products.	1900	25,258	218,714,104	5,790	5,404,750	37,073	17,703,418	36,419	497	157	10,325,588	475,826,345	560,719,063
		1890	18,470	208,473,500	16,078	8,897,340	47,403	18,138,402	46,889	308	206	13,162,037	434,152,290	513,971,474
		1880	24,338	177,361,878	.....	.....	58,407	17,422,316	58,239	42	126	.....	441,545,225	505,185,712
1	Food preparations	1900	644	20,998,102	1,472	1,422,182	8,154	3,051,718	5,259	2,619	276	3,567,186	23,675,165	38,457,651
		1890	302	6,715,535	674	593,922	3,478	1,222,913	2,236	1,150	92	881,628	8,129,925	14,105,485
		1880	109	1,293,905	.....	.....	1,338	318,253	863	312	158	.....	1,604,660	2,493,224
3	Foundry and machine shop products.[1]	1900	9,324	665,058,245	27,451	31,663,481	350,327	182,232,009	345,058	2,633	2,636	41,103,995	286,357,107	644,990,999
		1890	6,500	383,257,473	16,651	19,242,145	231,331	129,282,263	228,577	1,206	1,548	24,659,548	171,363,925	413,197,118
		1880	4,984	155,021,784	.....	.....	145,650	66,098,920	140,727	675	4,248	.....	104,041,972	215,442,011
14	Foundry supplies	1900	30	981,817	75	79,445	278	135,877	272	4	2	42,084	628,160	1,128,856
		1890	21	679,817	49	61,140	163	91,633	163	.....	.....	58,282	357,874	672,440
		1880	15	126,500	.....	.....	74	27,303	72	.....	2	.....	132,220	215,650
1	Fruits and vegetables, canning and preserving.	1900	1,808	27,743,067	1,741	1,277,028	36,401	8,050,793	13,542	19,699	3,160	2,423,673	37,524,297	56,668,313
		1890	886	15,315,185	1,119	592,390	49,762	4,651,317	18,469	25,714	5,579	1,289,681	18,665,163	29,862,416
		1880	411	8,247,488	.....	.....	31,905	2,679,960	10,638	15,463	5,804	.....	12,051,293	17,599,576
14	Fuel, artificial[2]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	1	100,000	.....	.....	70	10,000	70	.....	.....	.....	55,000	102,000
14	Fur goods[3]	1900	994	13,378,867	1,211	1,042,392	8,588	4,273,192	4,241	4,280	67	2,007,034	15,113,365	27,735,264
		1890	484	11,115,840	1,128	1,272,043	6,947	3,477,148	2,986	3,920	41	864,506	11,742,508	20,526,988
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Furnishing goods, men's	1900	470	20,168,222	2,135	2,160,142	30,216	9,680,077	4,311	25,283	622	2,460,838	23,404,969	43,902,162
		1890	586	12,299,011	1,433	1,511,323	20,778	6,078,026	4,152	16,415	211	2,330,360	15,280,572	29,870,946
		1880	161	3,724,664	.....	.....	11,174	2,644,155	1,274	9,565	335	.....	6,503,164	11,506,857
4	Furniture, including cabinetmaking, repairing, and upholstering.[4]	1900	7,972	117,982,091	7,285	7,042,172	100,018	42,638,810	93,323	3,742	2,953	10,724,283	65,499,877	153,168,309
		1890	5,973	93,642,147	8,917	7,976,186	83,587	40,816,566	77,437	3,800	2,350	7,935,924	55,125,830	135,627,332
		1880	6,008	47,831,529	.....	.....	62,662	25,048,414	55,474	2,908	4,280	.....	40,011,090	85,004,618
14	Furs, dressed	1900	92	798,030	46	49,124	835	478,190	750	82	8	49,291	519,699	1,400,455
		1890	26	266,921	37	48,618	400	238,890	391	4	5	13,294	203,199	651,296
		1880	192	3,598,887	.....	.....	4,134	1,389,284	1,458	2,604	77	.....	5,338,242	8,238,712
10	Galvanizing	1900	28	1,775,770	52	46,522	535	229,406	523	5	7	47,355	1,677,584	2,470,703
		1890	27	1,301,973	85	111,233	761	361,878	746	4	11	99,192	1,940,712	2,957,143
		1880	21	671,450	.....	.....	518	244,799	501	.....	17	.....	1,103,186	1,884,695
10	Gas and lamp fixtures	1900	223	10,009,239	875	992,003	7,642	3,504,301	5,582	1,754	306	1,023,036	5,013,597	12,577,806
		1890	108	7,218,964	516	712,699	5,014	2,879,813	4,743	233	38	793,283	2,208,124	7,825,672
		1880	35	3,248,400	.....	.....	3,069	1,469,287	2,660	243	166	.....	1,675,875	4,329,656
3	Gas and oil stoves[5]	1900	35	3,766,065	191	231,436	2,471	1,138,442	2,458	8	5	274,242	2,501,568	4,579,700
		1890	24	1,199,528	108	122,047	923	506,726	918	5	.....	118,617	840,126	2,137,944
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Gas, illuminating and heating.[6]	1900	877	567,000,508	5,904	5,273,500	22,459	12,436,296	22,446	10	3	14,769,022	20,605,356	75,716,693
		1890	742	258,771,795	1,864	2,143,169	12,996	8,499,625	12,952	.....	44	7,799,385	14,037,087	56,987,290
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Gas machines and meters.	1900	114	4,605,624	257	251,382	2,167	1,185,959	2,093	64	10	191,058	1,943,769	4,392,780
		1890	38	1,603,426	73	83,627	998	625,902	979	19	.....	105,209	675,542	1,838,644
		1880	34	1,147,000	.....	.....	858	397,108	807	12	34	.....	636,676	1,334,091
9	Glass	1900	355	61,423,903	2,268	2,792,376	52,818	27,084,710	42,178	3,529	7,116	3,588,641	16,781,009	56,539,712
		1890	294	40,966,850	1,095	1,232,561	44,892	20,885,961	36,064	1,885	6,943	2,267,696	12,140,985	41,051,004
		1880	211	19,844,699	.....	.....	24,177	9,144,100	17,778	741	5,658	.....	8,028,621	21,154,571
9	Glass, cutting, staining, and ornamenting.	1900	417	4,013,534	475	487,270	4,931	2,403,591	4,303	507	121	652,726	3,540,097	8,776,006
		1890	279	2,504,089	474	541,860	3,320	1,954,560	3,107	155	58	272,138	2,188,287	6,090,378
		1880	170	945,180	.....	.....	1,586	706,768	1,281	139	166	.....	1,156,866	2,535,009
14	Gloves and mittens	1900	394	9,089,809	659	547,320	14,345	4,182,518	4,365	9,703	277	567,697	9,483,130	16,926,156
		1890	324	5,977,820	482	438,664	8,187	2,670,344	2,998	5,091	98	426,937	5,021,144	10,103,821
		1880	300	3,379,648	.....	.....	7,697	1,655,695	2,102	5,249	346	.....	4,351,469	7,379,605
1	Glucose	1900	8	41,011,345	147	280,284	3,288	1,755,179	3,266	22	.....	645,804	15,773,238	21,693,656
		1890	7	5,991,023	35	72,320	1,724	902,086	1,719	5	.....	923,429	5,029,131	7,756,686
		1880	7	2,255,000	.....	.....	1,192	605,802	1,167	5	20	.....	3,044,450	4,551,212
14	Glue	1900	61	6,144,407	159	192,147	1,618	685,096	1,462	120	36	341,170	3,767,023	5,389,006
		1890	62	4,859,266	139	147,363	1,697	676,089	1,580	50	67	420,913	2,510,927	4,270,460
		1880	82	3,916,750	.....	.....	1,801	600,018	1,486	186	129	.....	2,786,342	4,324,072
10	Gold and silver, leaf and foil.	1900	93	1,086,854	35	35,996	1,163	498,692	592	545	26	37,677	1,604,018	2,666,224
		1890	81	1,105,198	94	102,629	1,405	698,167	724	663	18	46,868	1,834,716	2,977,791
		1880	60	498,500	.....	.....	955	410,647	542	383	30	.....	1,011,792	1,614,040
10	Gold and silver, reducing and refining, not from the ore.	1900	57	1,944,124	76	83,484	219	141,400	217	1	1	37,878	10,932,361	11,811,537
		1890	38	4,763,397	83	145,422	883	625,608	879	2	2	854,113	30,005,096	32,035,520
		1880	28	817,100	.....	.....	304	178,696	299	.....	5	.....	9,128,811	9,548,188
14	Graphite and graphite refining.[7]	1900	11	411,128	16	20,750	137	64,376	137	.....	.....	16,088	216,560	429,173
		1890	3	38,614	3	1,434	18	9,008	17	1	.....	4,999	26,380	54,605
		1880	4	113,000	.....	.....	89	35,225	69	17	3	.....	144,100	210,000

[1] Includes 3 establishments in 1890 and 6 in 1880 reported as "cotton ties," 6,475 in 1890 and 4,958 in 1880 reported as "foundry and machine shop products," and 22 in 1890 and 20 in 1880 reported as "lightning rods."

[2] Included in "all other industries" in 1890 and 1900.

[3] Included in other classifications in 1880.

[4] In 1900 includes 6,158 establishments reported as "furniture, cabinetmaking, repairing, and upholstering," and 1,814 as "furniture, factory product;" in 1890 includes 4,054 reported as "furniture, cabinetmaking, repairing, and upholstering," 340 as "furniture, chairs," and 1,579 as "furniture, factory product;" in 1880 includes 4,843 reported as "furniture," 384 as "furniture, chairs," and 781 as "upholstering."

[5] Included in other classifications in 1880; in 1890 reported as "gas stoves."

[6] No report received for this industry in 1880.

[7] Reported as "graphite" in 1880 and 1890.

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
14	Grease and tallow	1900	289	$7,080,692	256	$265,863	2,046	$1,069,683	2,031	9	6	$515,767	$8,761,857	$11,969,821
		1890	233	4,336,193	317	285,896	1,470	793,888	1,439	7	24	278,394	5,135,901	7,474,911
		1880	156	2,566,779	.....	.....	1,091	556,015	1,075	3	13	.....	11,779,482	13,730,013
9	Grindstones	1900	25	903,348	60	57,805	1,167	407,153	1,163	.....	4	35,391	263,811	1,088,909
		1890	9	78,750	8	5,204	124	51,776	123	.....	1	5,799	34,742	122,240
		1880	14	125,261	.....	.....	231	57,040	231	.....	.....	.....	85,366	184,555
14	Hairwork	1900	397	1,009,908	59	37,948	1,101	375,156	157	938	6	238,703	673,004	1,952,792
		1890	492	1,362,993	548	380,347	1,397	490,254	284	1,089	24	282,152	846,045	2,489,061
		1880	299	613,040	.....	.....	1,172	323,315	205	937	30	.....	667,132	1,467,723
2	Hammocks	1900	13	308,254	21	16,100	339	101,626	84	172	83	24,432	242,950	480,114
		1890	6	65,525	6	3,755	80	14,604	16	64	.....	3,369	26,535	60,254
		1880	5	22,300	.....	.....	82	17,576	28	49	5	.....	61,830	110,352
2	Hand knit goods	1900	86	205,488	22	13,362	304	75,870	43	260	1	27,359	124,009	352,226
		1890	28	78,468	38	26,138	186	35,851	29	149	8	20,352	88,280	205,775
		1880	39	152,700	.....	.....	1,814	187,720	50	1,378	386	.....	239,040	446,354
10	Hand stamps	1900	268	1,203,910	137	118,960	1,052	490,036	860	130	62	216,202	522,659	1,937,628
		1890	234	998,873	363	306,558	705	344,089	597	67	41	126,548	482,087	1,583,872
		1880	46	103,150	.....	.....	163	82,895	151	8	4	.....	103,648	318,618
3	Hardware	1900	381	39,311,745	1,844	2,054,704	26,463	11,422,758	22,850	2,492	1,121	2,612,416	14,605,244	35,846,656
		1890	350	26,271,840	1,176	1,255,419	18,495	8,656,067	16,252	1,582	711	2,400,827	10,186,442	26,726,463
		1880	492	15,363,551	.....	.....	16,801	6,846,913	14,481	814	1,506	.....	10,097,577	22,653,693
3	Hardware, saddlery	1900	80	3,335,274	222	247,117	2,940	1,217,202	2,663	210	67	334,350	1,690,168	4,149,489
		1890	102	3,376,356	262	286,970	2,917	1,260,325	2,594	258	65	250,668	1,624,849	4,118,195
		1880	64	1,655,550	.....	.....	2,815	960,432	2,167	321	327	.....	1,851,436	3,651,021
14	Hat and cap materials	1900	70	1,744,419	50	60,408	1,371	434,148	774	549	48	103,505	2,797,756	3,849,116
		1890	73	1,709,650	116	145,897	1,589	698,455	1,100	476	13	146,073	2,059,001	3,465,524
		1880	64	746,828	.....	.....	1,215	463,854	819	355	41	.....	1,325,231	2,217,250
2	Hats and caps, not including wool hats.[1]	1900	816	25,095,798	1,369	1,618,791	31,425	14,144,552	19,406	11,642	377	2,440,343	24,421,052	49,205,667
		1890	705	13,724,002	1,262	1,460,830	25,931	12,650,917	16,465	9,205	261	1,651,268	16,160,802	37,311,599
		1880	489	5,455,468	.....	.....	17,240	6,635,522	11,373	5,337	530	.....	9,341,352	21,303,107
14	Hay and straw baling[2]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	72	416,541	59	25,327	718	124,326	594	114	10	30,480	729,195	1,058,142
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	Hones and whetstones	1900	18	216,836	19	5,907	189	72,879	182	6	1	13,614	64,278	196,323
		1890	9	97,935	14	9,219	57	18,754	47	10	.....	1,918	6,332	54,136
		1880	25	132,525	.....	.....	225	52,961	136	83	6	.....	92,461	224,130
10	Hooks and eyes	1900	9	1,382,394	34	20,453	300	127,518	169	129	2	31,907	255,427	499,543
		1890	10	449,618	25	42,373	218	106,071	119	96	3	33,008	325,615	593,604
		1880	5	420,188	.....	.....	228	88,321	139	63	26	.....	214,986	370,078
3	Horseshoes, factory product.[3]	1900	6	344,151	13	25,957	167	90,527	149	.....	18	10,997	172,237	387,619
		1890	4	1,299,065	19	40,976	474	241,894	394	.....	80	42,019	519,449	1,110,032
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Hosiery and knit goods	1900	921	81,860,604	2,809	3,124,798	83,387	24,358,627	21,154	53,565	8,668	6,599,865	51,071,859	95,482,566
		1890	796	50,607,738	1,621	1,685,153	59,588	16,578,119	14,846	40,826	3,916	3,627,245	35,861,585	67,241,013
		1880	359	15,579,591	.....	.....	28,885	6,701,475	7,517	17,707	3,661	.....	15,210,951	29,167,227
14	House-furnishing goods, not elsewhere specified.	1900	210	10,638,248	584	628,314	5,212	1,837,552	3,034	2,066	112	739,841	9,198,803	14,280,575
		1890	133	6,939,659	250	272,824	3,417	1,506,929	2,515	818	84	366,750	4,832,791	8,347,285
		1880	48	456,806	.....	.....	592	216,890	405	137	50	.....	812,361	1,332,188
14	Ice, manufactured[4]	1900	775	38,019,507	1,581	1,226,331	6,880	3,402,745	6,838	8	34	1,778,692	3,312,393	13,780,978
		1890	222	9,846,468	439	345,191	2,826	1,095,996	2,811	.....	15	477,485	940,699	4,900,983
		1880	35	1,251,200	.....	.....	447	140,885	389	50	8	.....	158,112	544,763
14	Ink[5]	1900	104	3,821,514	401	478,316	787	412,140	636	143	8	417,607	2,109,142	4,372,707
		1890	73	2,655,219	263	336,962	761	420,228	585	164	12	210,230	1,664,785	3,504,979
		1880	63	1,251,050	.....	.....	480	230,284	339	79	62	.....	864,765	1,629,413
14	Instruments, professional and scientific.	1900	265	4,491,627	398	408,314	2,786	1,433,715	2,318	423	50	485,088	1,385,292	4,896,631
		1890	233	2,996,021	393	414,596	1,978	1,191,598	1,806	149	23	203,937	698,352	3,271,616
		1880	171	1,342,196	.....	.....	1,099	588,751	1,011	37	51	.....	444,425	1,639,094
3	Iron and steel	1900	668	573,391,663	9,211	11,737,488	222,490	120,820,276	219,518	1,071	1,901	32,274,100	522,398,932	803,968,273
		1890	645	372,678,018	3,820	5,687,606	148,715	78,977,900	147,357	2	1,356	16,918,753	295,777,843	430,954,348
		1880	1,005	230,971,884	.....	.....	140,978	55,476,785	133,203	45	7,730	.....	191,271,150	296,557,685
3	Iron and steel, bolts, nuts, washers, and rivets.	1900	72	10,799,692	420	571,073	7,660	2,991,857	6,436	701	523	531,095	8,071,071	13,978,382
		1890	82	10,789,821	386	467,748	6,955	3,004,454	6,087	310	558	597,605	6,746,304	12,373,031
		1880	100	4,933,019	.....	.....	5,064	1,981,300	4,264	182	618	.....	6,097,011	10,073,330
3	Iron and steel, doors and shutters.	1900	13	261,958	20	19,452	117	85,683	113	1	3	24,298	115,718	319,629
		1890	7	42,550	7	7,625	46	30,764	44	.....	2	4,210	29,792	88,515
		1880	6	79,375	.....	.....	223	103,269	211	.....	12	.....	296,600	495,060
3	Iron and steel, forgings	1900	91	9,677,193	322	410,845	4,688	2,559,433	4,582	23	83	425,596	5,213,550	10,439,742
		1890	90	7,152,145	240	324,527	4,208	2,314,114	4,111	11	86	366,812	4,875,697	9,042,563
		1880	91	3,598,241	.....	.....	3,210	1,329,151	2,977	95	138	.....	3,960,780	6,492,028
3	Iron and steel, nails and spikes, cut and wrought, including wire nails.	1900	102	10,751,359	431	444,301	4,477	2,042,250	3,569	794	114	614,761	8,561,571	14,777,299
		1890	138	24,334,549	516	672,741	16,600	7,144,258	14,967	879	754	1,244,624	22,960,787	34,227,517
		1880	62	3,877,805	.....	.....	2,910	1,255,171	2,011	519	380	.....	3,312,602	5,629,240
3	Iron and steel, pipe, wrought.	1900	19	18,343,977	193	266,319	5,536	2,495,898	5,486	.....	50	241,091	15,523,858	21,292,043
		1890	22	22,622,367	371	447,747	11,693	5,397,715	11,403	5	285	1,095,805	25,988,798	37,906,801
		1880	35	6,129,565	.....	.....	5,210	1,788,258	4,909	13	288	.....	9,480,049	13,292,162

[1] In 1900 includes 171 establishments reported as "fur hats" and 645 as "hats and caps, not including fur hats and wool hats."
[2] No reports received for this industry in 1880 and 1900.
[3] Included in other classifications in 1880.
[4] Reported as "ice, artificial," in 1880 and 1890.
[5] Includes 59 establishments in 1900 and 35 in 1890 reported as "ink, printing," and 45 in 1900 and 38 in 1890 reported as "ink, writing."

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
3	Ironwork, architectural and ornamental.[1]	1900	672	$33,062,409	1,867	$2,034,417	20,646	$11,111,226	20,451	70	125	$2,874,291	$31,140,636	$53,508,179
		1890	724	21,968,172	1,514	1,715,756	17,158	10,235,701	16,999	9	150	1,344,813	18,620,510	37,745,294
		1880	220	1,400,197	.....	.....	1,934	844,614	1,880	.....	54	.....	1,699,465	3,410,086
14	Ivory and bone work	1900	70	939,714	90	67,127	1,334	529,051	1,041	253	40	66,540	930,224	1,873,357
		1890	64	1,894,549	105	95,493	1,240	591,867	1,061	160	19	111,293	921,975	1,918,607
		1880	55	775,564	.....	.....	1,105	414,701	843	137	125	.....	754,654	1,454,901
14	Japanning	1900	38	117,639	4	3,900	160	75,453	144	6	10	16,030	55,305	215,506
		1890	39	285,794	49	51,004	243	105,197	167	64	12	21,941	120,184	350,819
		1880	30	78,710	.....	.....	183	65,562	135	24	24	.....	63,743	190,080
10	Jewelry	1900	908	28,120,939	1,817	1,852,449	20,676	10,746,375	13,957	6,319	400	2,094,069	22,356,067	46,501,181
		1890	783	22,246,508	1,881	2,232,066	13,880	8,038,327	10,696	2,968	216	1,493,545	16,110,219	34,761,458
		1880	739	11,431,164	.....	.....	12,697	6,441,688	10,050	1,998	649	.....	10,324,990	22,201,621
14	Jewelry and instrument cases.	1900	63	547,753	52	34,886	819	322,566	385	399	35	81,194	435,717	1,156,977
		1890	76	634,900	128	140,647	910	446,927	620	272	18	70,679	483,441	1,454,053
		1880	17	62,000	.....	.....	138	51,000	102	31	5	.....	48,550	131,670
2	Jute and jute goods	1900	18	7,027,293	88	147,313	4,506	1,181,790	1,611	2,064	831	574,986	3,015,362	5,383,797
		1890	7	1,645,636	18	23,001	1,194	368,585	307	720	167	168,258	501,909	1,120,121
		1880	4	415,000	.....	.....	525	141,979	205	302	18	.....	447,094	696,982
9	Kaolin and other earth grinding.	1900	145	12,212,341	232	256,584	2,094	820,678	2,089	2	3	270,436	1,651,335	3,722,151
		1890	95	3,334,575	190	195,250	1,271	548,879	1,266	.....	5	222,527	1,330,290	2,846,862
		1880	63	1,291,527	.....	.....	898	310,909	866	3	29	.....	697,006	1,455,757
4	Kindling wood	1900	85	1,775,272	68	55,527	1,525	566,635	1,209	283	33	87,128	735,844	1,784,690
		1890	136	1,299,533	188	156,283	1,617	616,094	1,402	148	67	173,298	1,187,460	2,401,873
		1880	213	1,018,490	.....	.....	1,443	526,861	1,187	14	242	.....	1,403,010	2,480,953
6	Labels and tags	1900	47	848,115	96	119,889	754	289,273	464	261	29	99,478	387,517	1,104,652
		1890	47	646,815	92	90,937	618	288,960	415	149	54	60,882	402,371	1,048,304
		1880	19	451,500	.....	.....	328	149,268	191	81	56	.....	492,655	865,825
10	Lamps and reflectors	1900	156	6,375,474	499	568,516	4,725	2,076,980	3,604	1,011	110	692,459	3,497,236	8,341,374
		1890	93	2,550,214	220	284,313	2,066	1,035,960	1,870	144	52	197,759	1,542,092	4,039,359
		1880	74	1,873,625	.....	.....	1,730	742,423	1,478	81	171	.....	1,852,906	3,357,829
14	Lapidary work	1900	60	3,087,390	43	50,967	498	498,715	469	18	11	78,899	4,655,766	5,786,281
		1890	29	100,635	37	40,844	92	58,642	87	.....	5	13,294	124,852	315,604
		1880	55	176,875	.....	.....	252	142,075	207	17	28	.....	226,277	544,089
1	Lard, refined	1900	19	1,335,759	54	79,675	499	237,930	438	20	41	127,500	7,496,845	8,630,901
		1890	17	3,898,910	130	137,940	888	460,102	686	141	61	845,116	12,654,360	15,474,848
		1880	26	2,513,066	.....	.....	1,181	546,258	1,030	46	105	.....	21,948,826	23,195,702
4	Lasts	1900	65	1,484,966	97	108,250	1,131	649,654	1,108	3	20	142,006	526,670	1,879,742
		1890	52	906,820	78	85,989	696	485,743	694	.....	2	62,192	331,225	1,239,065
		1880	62	477,692	.....	.....	537	308,975	497	18	22	.....	221,905	765,296
10	Lead, bar, pipe, and sheet.	1900	34	3,949,330	151	201,619	605	321,598	602	2	1	222,135	6,279,497	7,477,824
		1890	28	4,892,525	143	169,133	637	383,188	635	2	.....	208,645	6,882,157	8,351,754
		1880	32	2,466,375	.....	.....	571	316,363	551	5	15	.....	4,363,209	5,600,671
10	Lead, smelting and refining.[2]	1900	39	72,148,933	425	754,913	8,319	5,088,684	8,312	.....	7	1,166,210	144,195,163	175,466,304
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	Leather board	1900	3	49,500	4	2,900	71	24,350	20	51	.....	3,440	49,451	108,734
		1890	8	445,743	22	20,711	163	71,452	161	2	.....	30,166	211,936	463,705
		1880	24	856,200	.....	.....	379	121,015	342	27	10	.....	400,975	689,300
5	Leather goods[3]	1900	313	5,467,294	635	559,740	6,253	2,256,280	3,611	2,367	275	867,151	6,162,148	11,717,401
		1890	156	3,126,104	341	360,472	2,834	1,166,135	1,837	903	94	204,529	3,112,892	5,827,802
		1880	60	570,650	.....	.....	1,051	466,193	879	131	41	.....	1,110,873	2,047,243
5	Leather, tanned, curried, and finished.[4]	1900	1,306	173,977,421	2,442	3,158,842	52,109	22,591,091	50,402	1,173	534	7,023,416	155,000,004	204,038,127
		1890	1,787	98,088,698	2,635	2,735,890	42,392	21,249,989	41,733	264	395	5,397,672	122,946,721	172,136,092
		1880	[5]5,628	73,383,911	.....	.....	40,282	16,503,828	39,081	475	726	.....	156,384,117	200,264,944
9	Lime and cement	1900	1,000	48,333,730	1,408	1,417,185	19,107	7,749,815	18,952	35	120	2,293,268	11,041,577	28,689,135
		1890	873	18,752,396	667	523,909	13,043	4,944,313	12,947	7	89	984,009	5,667,863	15,741,801
		1880	615	6,332,338	.....	.....	5,669	1,579,313	5,493	7	169	.....	2,649,189	5,772,318
2	Linen goods	1900	18	5,688,999	117	142,941	3,283	1,036,839	1,044	1,787	452	387,095	2,550,517	4,368,159
		1890	3	908,589	9	13,070	574	167,134	218	295	61	65,583	268,907	547,273
		1880	5	406,800	.....	.....	484	124,046	211	200	73	.....	331,875	602,451
7	Liquors, distilled	1900	967	32,551,604	661	889,606	3,722	1,733,218	3,623	81	18	73,218,227	15,147,784	96,798,443
		1890	440	31,006,176	581	568,825	4,762	2,246,064	4,753	3	6	65,179,927	14,909,173	104,197,869
		1880	844	24,247,595	.....	.....	6,502	2,663,967	6,452	10	40	.....	27,744,245	41,063,663
7	Liquors, malt	1900	1,509	415,284,468	7,153	13,046,540	39,532	25,826,211	38,385	504	643	109,329,231	51,674,928	237,269,713
		1890	1,248	282,471,290	4,543	7,669,161	30,257	20,713,383	29,491	250	516	48,276,290	64,003,347	182,731,622
		1880	2,191	91,208,224	.....	.....	26,220	12,198,053	26,001	29	190	.....	56,836,500	101,058,385
7	Liquors, vinous	1900	359	9,838,015	344	365,498	1,163	446,055	1,099	61	3	552,338	3,689,330	6,547,310
		1890	286	5,792,783	234	181,280	1,048	299,453	1,016	26	6	270,377	1,318,012	2,846,148
		1880	117	2,581,910	.....	.....	967	216,569	781	57	129	.....	1,340,629	2,169,193
6	Lithographing and engraving.	1900	263	22,676,142	1,497	1,968,388	12,994	6,882,168	10,446	2,146	402	2,590,544	7,886,045	22,240,679
		1890	219	15,490,127	934	1,291,844	9,656	5,855,330	7,851	1,496	309	1,155,653	6,265,464	17,988,157
		1880	167	4,501,825	.....	.....	4,322	2,307,302	3,641	308	373	.....	2,755,264	6,912,338
15	Lock and gun smithing	1900	2,103	2,250,300	69	41,695	1,553	769,351	1,408	59	86	377,989	929,700	3,703,127
		1890	1,308	1,867,220	1,318	846,455	1,242	655,861	1,195	2	45	278,516	822,557	3,153,834
		1880	607	705,815	.....	.....	887	368,967	818	6	63	.....	398,642	1,317,810

[1] In 1880 includes 89 establishments reported as "ironwork, architectural and ornamental," and 131 as "iron railing, wrought."
[2] No report received for this industry in 1880 and 1890.
[3] Includes 17 establishments in 1890 and 3 in 1880 reported as "bellows," and 139 in 1890 and 57 in 1880 reported as "leather goods."
[4] In 1890 includes 38 establishments reported as "leather, dressed skins," 121 as "leather, morocco," 32 as "leather, patent and enameled," and 1,596 as "leather, tanned and curried;" in 1880 includes 2,319 reported as "leather, curried," 202 as "leather, dressed skins," 2 as "leather, patent and enameled," and 3,105 as "leather, tanned."
[5] At the census of 1880 an establishment engaged in both tanning and currying made a separate report for each branch of the industry and was counted twice; in 1890 and 1900 but one report was received for each establishment.

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
4	Looking-glass and picture frames.	1900	1,629	$7,747,382	1,182	$934,129	7,712	$3,370,072	6,748	600	369	$1,151,653	$6,887,331	$15,570,293
		1890	1,290	8,554,995	1,736	1,410,696	7,928	3,846,857	6,937	585	406	1,019,920	7,069,115	16,376,173
		1880	645	4,437,666	.....	.....	6,183	2,471,105	5,224	316	643	.....	4,831,248	9,596,219
4	Lumber and timber products.[1]	1900	33,035	611,611,524	12,530	11,260,608	283,260	104,640,591	277,900	1,748	3,612	17,731,519	317,923,548	566,832,984
		1890	22,617	557,881,054	20,375	11,203,757	311,964	87,934,284	306,177	2,501	3,286	25,324,063	242,562,296	437,957,382
		1880	25,758	181,465,392	.....	.....	148,290	31,893,098	141,831	442	6,017	.....	146,312,937	233,608,886
4	Lumber, planing mill products, including sash, doors, and blinds.[2]	1900	4,204	119,271,631	5,682	5,249,632	73,627	32,685,210	72,003	238	1,386	7,289,615	99,927,707	168,343,003
		1890	3,670	120,271,440	6,965	6,748,224	79,923	42,221,856	78,298	141	1,489	6,594,958	104,926,834	183,681,552
		1880	2,491	38,070,593	.....	.....	37,187	14,431,654	35,158	102	1,927	.....	45,268,462	73,424,681
7	Malt	1900	146	39,288,102	290	471,316	1,990	1,182,513	1,986	4	.....	916,866	14,816,741	19,373,600
		1890	202	24,293,864	366	513,025	3,328	1,590,175	3,328	.....	.....	1,305,246	17,100,074	23,442,559
		1880	216	14,390,441	.....	.....	2,332	1,004,548	2,320	8	4	.....	14,321,423	18,273,102
9	Mantels, slate, marble, and marbleized.	1900	36	811,995	72	69,591	449	291,050	448	.....	1	107,094	487,965	1,153,540
		1890	90	1,854,759	184	207,742	1,520	953,119	1,512	4	4	108,899	1,254,667	3,127,662
		1880	46	750,300	.....	.....	725	313,009	690	.....	35	.....	476,431	1,030,660
9	Marble and stone work[3]	1900	6,070	67,509,533	3,306	3,003,875	54,370	28,663,241	54,141	70	159	4,666,095	30,443,297	85,101,591
		1890	3,373	37,115,193	4,261	4,020,898	31,728	21,342,623	31,583	61	84	2,742,375	23,868,904	62,595,762
		1880	2,846	16,498,221	.....	.....	21,471	10,238,885	21,112	23	336	.....	12,743,345	31,415,150
15	Masonry, brick and stone[4]	1900	8,333	48,070,239	2,386	2,352,394	93,568	53,152,258	93,368	85	115	31,238,845	87,280,964	203,593,634
		1890	7,715	54,969,408	8,411	8,216,204	110,618	69,311,083	110,413	27	178	6,000,666	96,207,162	204,165,642
		1880	1,591	3,990,706	.....	.....	16,020	6,880,866	15,877	1	142	.....	10,123,478	20,586,553
4	Matches	1900	22	3,893,000	66	87,115	2,047	612,715	1,054	793	200	463,045	3,420,740	6,005,937
		1890	27	1,941,092	59	70,655	1,696	473,556	780	847	69	124,800	935,008	2,193,638
		1880	37	2,114,850	.....	.....	2,219	535,911	868	1,120	231	.....	3,298,562	4,668,446
2	Mats and matting	1900	9	994,155	42	31,060	1,197	237,282	896	288	13	46,538	516,137	1,165,330
		1890	24	892,639	40	39,607	383	172,874	343	33	7	26,651	301,591	608,625
		1880	12	212,000	.....	.....	285	125,129	199	12	74	.....	233,707	439,370
14	Mattresses and spring beds	1900	797	8,298,772	869	778,817	7,959	3,213,268	6,152	1,603	204	1,049,118	10,444,009	18,468,704
		1890	696	6,662,929	1,019	896,344	6,318	2,763,953	4,906	1,149	263	680,386	8,727,380	15,683,932
		1880	357	1,749,750	.....	.....	2,394	868,325	1,770	466	158	.....	3,116,471	5,288,234
2	Millinery and lace goods	1900	591	10,764,813	1,592	1,392,904	16,871	5,817,855	2,654	14,035	182	1,545,167	15,654,295	29,469,406
		1890	278	6,630,210	709	926,408	11,118	4,526,021	2,524	8,552	42	742,153	8,588,342	18,047,067
		1880	247	2,678,880	.....	.....	6,555	1,661,044	971	5,248	336	.....	6,142,091	9,577,840
15	Millinery, custom work[5]	1900	16,151	27,740,386	3,723	1,508,987	33,298	9,570,536	436	32,487	375	4,943,340	36,455,043	70,363,752
		1890	5,999	16,309,220	6,904	3,703,738	17,072	5,241,401	401	16,457	214	2,620,266	18,756,776	36,983,082
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	Millstones	1900	3	49,238	7	7,816	37	20,957	37	.....	.....	5,273	30,995	75,922
		1890	4	49,450	4	5,100	24	12,764	24	.....	.....	1,628	18,294	47,152
		1880	16	178,900	.....	.....	174	96,534	170	1	3	.....	172,725	355,519
7	Mineral and soda waters	1900	2,816	20,518,708	1,464	1,203,407	8,985	4,169,113	8,380	309	296	2,266,018	8,801,467	23,874,429
		1890	1,377	10,781,817	1,798	1,426,705	5,919	2,780,163	5,642	100	177	1,286,577	4,562,803	14,353,745
		1880	512	2,569,561	.....	.....	2,726	1,065,633	2,480	27	219	.....	2,117,764	4,741,709
9	Mirrors	1900	103	3,184,426	269	277,419	2,555	1,231,689	2,293	173	89	323,798	4,995,671	8,004,301
		1890	45	1,695,772	138	190,828	1,404	842,407	1,346	45	13	169,594	3,274,131	6,000,533
		1880	7	155,800	.....	.....	77	42,900	74	.....	3	.....	212,500	304,000
2	Mixed textiles[6]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	470	37,996,057	.....	.....	43,373	13,316,753	17,471	20,520	5,382	.....	37,227,741	66,221,703
14	Models and patterns[7]	1900	532	2,250,484	118	113,413	2,608	1,565,728	2,400	157	51	245,643	825,111	3,836,518
		1890	456	1,594,804	525	490,112	1,627	1,005,145	1,536	50	41	158,814	510,636	2,734,395
		1880	233	447,351	.....	.....	815	421,857	763	21	31	.....	228,906	1,020,650
14	Mucilage and paste	1900	117	1,265,426	170	164,328	480	205,082	341	117	22	161,143	1,657,342	2,629,299
		1890	55	748,826	95	79,629	309	119,782	258	48	3	67,581	755,034	1,276,611
		1880	4	3,100	.....	.....	9	3,090	8	.....	1	.....	8,770	16,700
14	Musical instruments and materials, not specified.	1900	229	3,896,101	158	141,745	2,405	1,232,039	2,144	226	35	271,093	1,205,387	3,394,734
		1890	293	1,329,329	326	257,067	1,056	605,110	981	54	21	178,488	510,664	1,888,613
		1880	84	654,850	.....	.....	573	293,062	528	29	16	.....	385,776	853,746
14	Musical instruments, organs and materials.	1900	129	5,011,987	274	299,435	3,435	1,720,727	3,271	92	72	603,785	2,220,165	5,691,504
		1890	145	9,890,288	381	422,286	4,608	2,674,191	4,469	117	22	821,315	3,454,720	9,213,188
		1880	171	3,922,338	.....	.....	4,202	2,142,539	3,948	89	165	.....	2,692,332	6,136,472
14	Musical instruments, pianos and materials.	1900	261	38,790,494	1,244	1,715,191	17,869	9,818,996	16,978	463	428	2,908,386	15,147,520	35,324,090
		1890	236	18,430,872	625	978,382	12,432	8,369,347	12,211	181	40	1,394,513	10,470,779	25,766,368
		1880	174	9,869,577	.....	.....	6,575	4,663,193	6,449	57	69	.....	5,283,119	12,264,521
10	Needles and pins	1900	43	3,235,158	101	126,754	2,353	989,846	1,193	1,019	141	215,322	972,570	2,738,439
		1890	45	1,820,089	71	78,518	1,609	649,484	898	691	20	71,674	450,442	1,515,865
		1880	40	1,144,550	.....	.....	1,077	392,214	604	380	93	.....	591,013	1,378,023
2	Nets and seines	1900	19	1,160,782	41	63,545	748	222,146	83	646	19	81,428	865,908	1,476,022
		1890	22	1,135,764	32	27,864	618	190,121	104	514	.....	53,920	684,634	1,002,196
		1880	13	140,650	.....	.....	210	54,112	79	114	17	.....	180,215	291,765
2	Oakum[8]	1900	7	416,199	10	16,922	171	51,343	141	26	4	16,067	283,862	440,237
		1890	7	275,675	9	10,300	142	46,816	124	4	14	6,579	281,783	363,400
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	Oil, castor	1900	3	539,221	12	17,320	49	29,068	48	1	.....	13,839	293,408	395,400
		1890	7	621,798	24	25,599	77	44,532	77	.....	.....	28,314	431,231	573,363
		1880	8	474,000	.....	.....	108	44,714	107	.....	1	.....	384,890	653,900

[1] In 1890 includes 21,011 establishments reported as "lumber and other mill products from logs or bolts," and 1,606 as "timber products, not manufactured at mill;" in 1880 includes 25,708 reported as "lumber, sawed," 45 as "shingles, split," and 5 as "veneering."

[2] In 1880 includes 1,203 establishments reported "lumber, planed," and 1,288 as "sash, doors, and blinds."

[3] Includes 2,351 establishments in 1900 and 1,321 in 1890 reported as "marble and stone work," and 3,719 in 1900 and 2,052 in 1890 reported as "monuments and tombstones."

[4] Includes 6,431 establishments in 1900 and 5,969 in 1890 reported as "masonry, brick, and stone," and 1,902 in 1900 and 1,746 in 1890 reported as "plastering and stuccowork."

[5] No reports received for this industry in 1880.

[6] Included in other classifications in 1890 and 1900.

[7] Includes 7 establishments in 1890 and 8 in 1880 reported as "cigar molds," and 449 in 1890 and 230 in 1880 reported as "models and patterns."

[8] Included in other classifications in 1880.

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
8	Oil, cottonseed and cake	1900	369	$34,451,461	1,569	$1,579,252	11,007	$3,143,459	10,936	54	17	$2,433,912	$45,165,823	$58,726,632
		1890	119	12,808,996	395	414,047	5,906	1,493,780	5,814	55	37	1,163,586	14,363,126	19,335,947
		1880	45	3,862,300	.....	.....	3,319	880,836	3,114	33	172	.....	5,091,251	7,690,921
8	Oil, essential	1900	70	612,657	42	25,523	199	69,100	191	7	1	49,762	596,112	850,093
		1890	67	102,223	23	8,568	197	28,924	197	.....	.....	34,462	129,735	255,847
		1880	124	67,755	.....	.....	278	24,030	273	1	4	.....	125,167	248,858
8	Oil, lard	1900	7	369,773	24	24,426	78	42,205	77	1	.....	47,182	971,647	1,221,841
		1890	7	481,526	26	29,024	94	53,208	94	.....	.....	102,663	920,650	1,181,613
		1880	28	1,127,500	.....	.....	432	161,672	424	.....	8	.....	4,184,450	4,721,066
8	Oil, linseed	1900	48	15,460,512	285	446,247	1,328	693,311	1,321	6	1	659,606	24,895,775	27,184,331
		1890	62	14,003,358	187	308,718	1,886	977,344	1,882	4	.....	1,321,461	19,374,543	23,534,306
		1880	81	5,872,750	.....	.....	1,416	681,677	1,378	17	21	.....	12,874,294	15,393,812
8	Oil, not elsewhere specified.[1]	1900	194	9,549,984	788	967,015	1,386	700,050	1,330	51	5	2,048,845	9,848,409	17,183,799
		1890	129	4,652,653	880	463,526	758	467,362	720	32	6	944,198	5,403,522	9,256,250
		1880	73	1,931,775	.....	.....	513	245,649	499	8	6	.....	2,754,713	3,694,587
8	Oil, resin[2]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	8	284,110	27	29,056	90	53,596	90	.....	.....	20,890	535,320	738,680
		1880	3	82,523	.....	.....	23	14,590	23	.....	.....	.....	189,622	238,471
2	Oilcloth, enameled	1900	9	1,702,904	48	100,584	512	300,878	512	.....	.....	88,889	2,696,412	3,595,515
		1890	9	772,820	26	29,702	341	182,759	335	4	2	66,929	983,518	1,603,265
		1880	4	315,000	.....	.....	258	116,627	215	2	41	.....	864,200	1,062,000
2	Oilcloth, floor	1900	18	7,176,198	105	193,939	2,718	1,327,235	2,626	49	43	433,068	4,853,260	7,807,105
		1890	19	3,704,436	62	92,203	1,521	745,766	1,477	4	40	195,764	2,380,295	3,877,822
		1880	25	3,429,550	.....	.....	1,735	733,235	1,690	5	40	.....	3,118,708	4,752,587
1	Oleomargarine	1900	24	3,023,646	394	412,012	1,084	534,444	1,007	65	12	2,489,784	7,639,501	12,499,812
		1890	12	634,532	64	91,752	264	154,138	252	11	1	385,563	2,175,264	2,988,525
		1880	15	1,680,300	.....	.....	599	212,952	561	18	20	.....	5,486,141	6,892,939
14	Optical goods[3]	1900	350	5,567,809	568	447,743	4,341	1,985,219	3,084	1,062	195	684,682	3,233,430	7,790,970
		1890	191	2,608,176	337	290,078	2,507	1,010,374	1,868	507	132	228,028	1,324,305	3,505,978
		1880	62	643,825	.....	.....	1,088	450,897	872	113	103	.....	417,472	1,182,142
8	Ordnance and ordnance stores.[4]	1900	4	3,468,713	81	96,001	989	615,280	977	12	.....	277,268	802,706	2,230,797
		1890	4	7,639,991	31	34,888	1,428	1,064,418	1,425	2	1	18,885	743,348	2,424,662
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1	Oysters, canning and preserving.[4]	1900	39	1,240,696	119	112,879	2,779	630,016	1,355	1,123	301	93,707	2,608,757	3,670,134
		1890	16	1,106,962	61	69,891	3,453	642,610	1,482	1,702	269	80,199	2,088,867	3,260,766
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Painting and paper hanging.[5]	1900	16,939	27,217,086	2,204	1,478,024	59,191	34,822,819	58,579	281	331	3,876,483	26,304,784	88,396,852
		1890	10,043	23,135,781	10,945	8,935,219	45,336	28,787,331	44,830	249	257	2,632,571	23,110,359	74,067,998
		1880	3,968	5,645,950	.....	.....	17,711	7,920,866	17,271	181	309	.....	8,762,780	22,457,560
8	Paints	1900	419	42,501,782	2,512	3,077,318	8,151	3,929,787	7,357	744	50	3,430,061	33,799,386	50,874,995
		1890	382	34,009,203	1,693	2,036,869	7,044	3,568,757	6,460	519	65	3,039,427	24,930,532	40,438,171
		1880	244	13,555,292	.....	.....	4,483	2,132,255	4,192	188	103	.....	17,062,552	23,390,767
6	Paper and wood pulp[6]	1900	763	167,507,713	2,935	4,500,911	49,646	20,746,426	41,547	7,930	169	10,184,106	70,530,236	127,326,162
		1890	649	89,829,548	1,348	1,770,657	31,050	13,204,828	24,015	6,767	268	6,770,681	44,228,480	78,937,184
		1880	742	48,139,652	.....	.....	25,631	8,970,133	17,317	7,648	666	.....	34,362,132	57,366,860
6	Paper goods, not elsewhere specified.[4]	1900	190	11,370,585	720	922,689	6,117	2,242,702	3,135	2,835	147	1,042,923	9,819,820	16,785,269
		1890	66	2,922,449	128	153,828	1,519	611,353	971	439	109	234,325	2,627,454	4,179,235
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	Paper hangings	1900	51	8,889,794	512	816,852	4,172	2,074,138	3,380	492	300	711,100	6,072,809	10,663,209
		1890	27	5,709,909	230	302,634	2,584	1,172,154	2,063	243	278	660,117	3,572,027	7,431,726
		1880	25	3,560,500	.....	.....	2,487	874,921	1,666	150	671	.....	3,629,222	6,267,303
6	Paper patterns	1900	16	256,075	92	72,048	836	262,559	109	719	8	29,295	124,854	563,653
		1890	27	156,106	39	45,212	409	108,526	47	361	1	54,857	85,269	377,456
		1880	4	105,100	.....	.....	97	40,538	13	84	.....	.....	44,000	512,550
8	Patent medicines and compounds.	1900	2,026	37,209,793	5,419	5,330,121	11,809	4,407,988	5,598	6,001	210	18,028,546	18,185,513	59,611,335
		1890	1,127	18,596,823	2,332	2,138,819	7,058	2,955,383	4,231	2,670	157	7,063,311	11,030,916	32,620,182
		1880	563	10,620,880	.....	.....	4,025	1,651,596	2,504	1,186	335	.....	6,704,729	14,682,494
14	Paving and paving materials.	1900	1,729	37,888,412	1,520	1,493,757	34,090	14,570,408	34,010	5	75	2,149,511	20,152,477	46,447,719
		1890	704	12,648,093	1,010	1,025,672	21,720	9,425,298	21,703	1	16	1,147,235	13,891,005	30,644,072
		1880	46	745,750	.....	.....	757	244,339	755	.....	2	.....	576,301	1,024,243
14	Pencils, lead	1900	7	2,227,406	81	111,890	2,162	688,281	758	1,087	317	278,176	1,030,917	2,222,276
		1890	5	3,100,836	64	130,300	1,388	450,450	483	632	273	154,528	796,378	1,687,560
		1880	4	341,597	.....	.....	399	102,233	116	144	139	.....	97,344	279,427
14	Pens, fountain and stylographic.[4]	1900	23	590,629	84	80,808	318	141,012	241	66	11	113,334	351,932	906,454
		1890	15	142,265	24	28,902	152	73,897	128	24	.....	12,380	123,214	351,775
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Pens, gold	1900	22	496,246	62	67,522	378	229,679	337	38	3	42,740	312,537	799,078
		1890	18	473,964	62	75,124	301	185,545	277	23	1	82,753	235,628	718,070
		1880	16	370,150	.....	.....	264	172,207	226	19	19	.....	190,906	533,061
8	Pens, steel	1900	3	357,460	13	21,416	473	138,433	65	371	37	37,405	52,466	294,340
		1890	3	399,182	15	20,143	496	132,032	141	322	33	6,295	56,630	268,259
		1880	3	182,500	.....	.....	280	88,500	34	230	16	.....	38,950	164,000
8	Perfumery and cosmetics.	1900	266	3,499,168	808	757,695	1,768	569,286	520	1,209	39	1,184,501	3,136,853	7,095,713
		1890	157	2,288,901	359	376,159	1,396	501,520	542	838	16	421,335	2,128,420	4,630,141
		1880	67	813,827	.....	.....	741	238,259	352	357	32	.....	1,201,409	2,203,004

[1] Includes 5 establishments in 1890 and 7 in 1880 reported as "oil, illuminating, not including petroleum refining," 124 in 1890 and 51 in 1880 reported as "oil, lubricating;" and 15 in 1880 reported as "oil, neat's foot."
[2] Included in other classifications in 1900.
[3] In 1880 reported as "spectacles and eyeglasses."
[4] Included in other classifications in 1880.
[5] In 1900 includes 15,295 establishments reported as "painting, house, sign, etc.," and 1,644 as "paper hanging."
[6] In 1890 includes 567 establishments reported as "paper" and 82 as "pulp, wood;" in 1880 includes 692 reported as "paper" and 50 as "wood pulp."

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
8	Petroleum, refining[1]	1900	67	$95,327,892	1,207	$1,811,400	12,199	$6,717,087	11,935	66	198	$3,330,851	$102,859,341	$123,929,384
		1890	94	77,416,296	1,068	1,117,011	11,403	5,872,467	10,885	2	516	2,069,268	67,918,723	85,001,198
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Phonographs and graphophones.[2]	1900	11	3,348,282	144	179,145	1,267	608,490	1,114	146	7	215,401	827,529	2,246,274
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Photographic apparatus	1900	48	1,849,724	165	129,618	1,961	779,890	1,662	230	69	229,886	595,925	2,026,063
		1890	25	362,834	43	46,184	506	262,755	436	58	12	28,263	164,620	624,342
		1880	10	90,800	.....	.....	104	41,314	89	9	6	.....	40,658	104,305
14	Photographic materials	1900	105	3,668,026	304	323,676	1,483	662,958	994	450	39	453,092	2,782,285	5,773,325
		1890	45	1,172,640	116	118,018	783	420,248	587	194	2	91,356	1,107,269	2,121,387
		1880	5	63,000	.....	.....	63	25,310	31	30	2	.....	89,900	142,000
14	Photography	1900	7,553	13,193,589	1,063	664,088	8,911	4,013,018	5,580	3,118	213	2,577,308	6,841,853	23,238,719
		1890	3,105	7,804,532	3,465	2,933,228	6,967	3,472,643	4,786	2,063	118	1,592,786	3,892,196	15,488,324
		1880	1,287	3,131,895	.....	.....	3,977	1,751,118	2,860	986	131	.....	1,671,455	5,935,311
6	Photolithographing and photoengraving.[3]	1900	204	1,999,921	485	450,720	2,698	1,756,578	2,529	117	52	400,873	728,743	4,226,106
		1890	89	1,134,873	207	228,279	1,145	760,619	1,056	73	16	145,059	541,395	2,071,580
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1	Pickles, preserves, and sauces.	1900	474	10,656,854	1,845	1,652,051	6,812	2,161,962	3,606	3,081	125	2,254,583	12,422,432	21,507,046
		1890	316	4,918,459	675	608,427	3,577	1,158,892	1,964	1,585	28	528,283	5,328,541	9,790,855
		1880	109	841,028	.....	.....	930	259,454	592	230	108	.....	1,472,639	2,407,342
14	Pipes, tobacco	1900	98	1,111,144	120	108,890	1,585	737,647	1,284	212	89	125,189	1,106,299	2,471,908
		1890	69	1,432,758	139	159,181	1,206	571,815	1,024	163	19	95,545	626,668	1,881,262
		1880	37	233,800	.....	.....	645	226,306	500	65	80	.....	209,518	628,688
10	Plated and britannia ware	1900	66	16,486,471	477	702,635	6,392	3,088,224	5,349	979	64	763,989	5,875,312	12,608,770
		1890	68	13,150,990	302	420,045	6,617	3,355,260	5,480	974	163	1,276,431	4,647,890	11,502,966
		1880	55	5,362,025	.....	.....	4,675	2,453,361	3,742	831	102	.....	4,100,116	8,596,181
10	Plumbers' supplies[4]	1900	174	13,598,528	917	987,282	8,024	3,930,594	7,639	245	140	847,094	7,289,867	14,771,185
		1890	122	9,678,107	538	646,629	4,947	2,657,585	4,759	73	115	550,938	5,853,709	11,960,464
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	Plumbing, and gas and steam fitting.[5]	1900	11,876	47,111,264	3,730	2,593,594	53,916	31,873,866	53,336	64	516	4,609,906	65,334,089	131,852,567
		1890	5,327	29,335,247	7,056	6,847,297	35,457	21,915,314	34,915	67	475	2,492,884	37,735,671	80,905,925
		1880	2,161	5,950,512	.....	.....	9,684	4,770,389	9,217	15	452	.....	9,095,308	18,133,250
5	Pocketbooks	1900	68	991,876	124	146,219	1,658	588,595	958	596	99	115,913	1,278,226	2,495,188
		1890	62	1,121,834	140	170,081	1,208	491,911	780	406	72	101,938	968,948	2,165,462
		1880	53	598,350	.....	.....	1,413	484,947	890	416	107	.....	930,033	1,769,036
9	Pottery, terra cotta, and fire-clay products.[6]	1900	1,000	65,951,885	2,777	3,011,512	43,714	17,691,737	38,171	4,481	1,062	3,260,721	11,915,236	44,263,386
		1890	707	26,127,104	1,316	1,269,111	18,980	8,869,032	16,402	2,023	555	2,003,007	5,618,401	22,057,090
		1880	752	7,366,328	.....	.....	10,221	3,600,727	7,882	948	1,391	.....	2,909,063	8,977,333
6	Printing and publishing[7]	1900	22,312	292,517,072	37,799	36,090,719	162,992	84,249,954	125,964	28,765	8,263	55,897,929	86,856,290	347,055,050
		1890	16,566	195,387,445	28,391	26,272,756	136,886	78,810,319	110,484	19,026	7,376	46,971,768	68,858,915	275,452,515
		1880	3,468	63,003,704	.....	.....	58,506	30,541,657	45,890	6,777	5,839	.....	32,660,395	90,970,341
6	Printing materials	1900	70	905,603	64	64,063	560	232,799	503	32	25	98,984	406,357	1,088,432
		1890	64	1,370,487	151	148,010	715	338,096	519	180	16	121,874	567,688	1,459,434
		1880	27	199,900	.....	.....	191	98,878	164	7	20	.....	190,353	421,316
14	Pulp, from fiber other than wood.[4]	1900	3	479,158	6	7,200	121	28,462	103	17	1	13,191	42,204	103,204
		1890	7	583,837	16	24,350	152	68,906	150	.....	2	33,202	126,902	524,243
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Pulp goods[4]	1900	22	2,316,985	75	91,685	691	283,835	638	44	9	76,271	646,639	1,267,013
		1890	9	418,045	24	27,550	252	111,484	228	17	7	46,228	122,851	352,582
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Pumps, not including steam pumps.	1900	130	1,260,710	95	83,677	632	247,193	620	.....	12	80,380	637,768	1,341,713
		1890	256	3,540,097	386	317,571	1,754	827,574	1,740	1	13	225,377	1,681,275	4,103,410
		1880	411	2,383,482	.....	.....	1,731	652,749	1,692	3	36	.....	2,038,634	3,644,631
5	Packing hose[8]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	1	500	.....	.....	2	1,200	2	.....	.....	.....	1,350	5,512
4	Refrigerators	1900	95	4,782,110	237	239,953	3,329	1,287,488	3,229	6	94	406,159	2,476,518	5,317,886
		1890	82	3,367,329	195	218,933	2,178	1,033,832	2,022	57	99	295,322	2,377,958	4,513,616
		1880	71	727,220	.....	.....	1,053	423,680	975	14	64	.....	881,842	1,739,731
2	Regalia and society banners and emblems.	1900	120	1,795,858	248	196,982	1,586	476,580	420	1,128	38	355,117	1,608,415	3,077,945
		1890	137	1,841,193	299	306,869	2,080	737,853	675	1,391	14	247,882	1,246,906	3,203,890
		1880	47	452,590	.....	.....	589	174,097	175	376	38	.....	429,227	815,638
3	Registers, car fare	1900	5	104,408	14	15,354	52	25,775	51	1	.....	9,822	17,403	80,865
		1890	7	74,725	10	9,926	91	54,148	90	.....	1	13,098	32,618	141,320
		1880	1	300,000	.....	.....	7	4,876	7	.....	.....	.....	870	6,600
3	Registers, cash[4]	1900	13	5,137,965	313	313,405	2,015	1,223,966	1,829	186	.....	919,540	903,834	5,594,500
		1890	5	292,150	45	37,858	697	396,282	588	99	10	16,805	222,576	1,281,500
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1	Rice, cleaning and polishing.	1900	80	2,601,352	169	182,033	651	265,585	639	.....	12	230,208	7,575,522	8,723,726
		1890	32	2,073,884	96	96,160	647	223,433	630	9	8	147,992	5,601,206	6,693,196
		1880	22	562,200	.....	.....	516	110,467	376	94	46	.....	2,666,497	3,133,324

[1] In 1880 "petroleum refining" formed part of a separate report and was not included in the general statistics of manufacture.
[2] No reports received for this industry in 1880; in 1890 included in "all other industries."
[3] Included in other classifications in 1880; in 1890 reported as "photolithographing and engraving."
[4] Included in other classifications in 1880.
[5] In 1880 and 1890 reported as "plumbing and gas fitting."
[6] In 1880 includes 51 establishments reported as "drain and sewer pipe," 686 as "stone and earthenware," and 15 as "terra-cotta ware;" in 1890 reported as "clay and pottery products."
[7] In 1900 includes 6,920 establishments reported as "printing and publishing, book and job," 87 as "printing and publishing, music," 15,305 as "printing and publishing, newspapers and periodicals;" in 1890 includes 4,098 reported as "printing and publishing, book and job," 79 as "printing and publishing, music," 12,362 as "printing and publishing, newspapers and periodicals," and 27 as "printing, tip;" includes in 1880, 1 reported as "postal cards," and 3,467 as "printing and publishing."
[8] In 1890 included in "all other industries;" in 1900 included in "belting and hose, leather."

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
14	Roofing and roofing materials.	1900	2,162	$17,594,162	1,198	$1,051,983	15,362	$6,996,810	15,138	18	206	$1,587,639	$14,624,759	$29,916,592
		1890	2,140	13,303,597	2,396	2,088,512	10,937	6,469,514	10,803	27	107	1,117,670	14,712,379	29,412,813
		1880	493	2,329,277	.....	.....	8,082	1,411,133	8,019	22	41	.....	3,382,354	6,227,284
14	Rubber and elastic goods.	1900	262	39,304,853	1,825	2,215,597	20,405	8,082,738	12,561	7,317	527	2,805,470	33,485,694	52,627,030
		1890	139	13,703,787	619	852,290	9,183	3,663,976	4,509	4,296	378	1,133,182	11,113,528	18,708,917
		1880	90	6,057,987	.....	.....	6,268	2,295,972	3,693	2,281	294	.....	9,249,967	13,751,724
14	Rubber, vulcanized[1]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	3	226,200	.....	.....	495	154,700	335	150	10	.....	391,200	767,200
4	Rules, ivory and wood	1900	11	202,724	14	11,986	213	66,732	150	50	13	16,694	72,657	207,757
		1890	16	172,918	27	22,194	136	51,933	101	28	7	11,183	34,325	154,173
		1880	6	54,200	.....	.....	56	19,974	52	1	3	.....	16,075	66,200
5	Saddlery and harness	1900	12,934	43,354,136	1,976	1,587,651	24,123	10,725,647	22,352	1,147	624	2,996,787	33,127,926	62,630,902
		1890	7,931	35,346,620	7,654	5,121,927	22,672	10,908,918	21,376	962	334	2,666,690	24,674,225	52,970,801
		1880	7,999	16,508,019	.....	.....	21,446	7,997,752	20,024	561	861	.....	19,968,716	38,081,643
3	Safes and vaults	1900	35	5,479,879	272	283,111	2,033	1,017,237	2,018	1	14	300,620	1,689,148	3,927,867
		1890	39	4,693,118	315	265,210	3,816	2,129,615	3,776	1	39	564,756	2,635,313	6,641,844
		1880	40	2,201,600	.....	.....	2,206	1,096,504	2,173	.....	33	.....	1,431,083	3,352,396
8	Salt[2]	1900	159	27,123,364	406	499,748	4,774	1,911,140	4,337	378	59	760,539	3,335,922	7,966,897
		1890	200	13,437,749	200	189,049	4,255	1,593,442	4,055	148	52	674,183	1,826,770	5,484,618
		1880	276	8,548,640	.....	.....	4,493	1,305,020	4,274	67	152	.....	2,354,742	5,191,222
14	Sand and emery paper and cloth.	1900	9	1,372,307	63	97,846	274	144,183	250	16	8	57,878	681,240	1,175,895
		1890	9	705,957	47	52,263	206	104,226	189	17	.....	111,078	781,505	1,249,647
		1880	6	121,500	.....	.....	82	30,970	52	21	9	.....	148,477	262,374
3	Saws	1900	96	8,508,487	312	329,402	3,215	1,692,757	3,012	71	132	347,209	2,600,217	6,443,748
		1890	95	6,313,373	267	276,168	2,676	1,583,526	2,462	46	168	435,625	2,346,401	5,572,992
		1880	89	3,281,135	.....	.....	2,566	1,226,370	2,288	23	255	.....	1,744,083	3,943,105
3	Scales and balances	1900	86	6,307,576	305	297,166	2,775	1,436,839	2,748	16	11	369,999	1,533,379	5,239,788
		1890	76	1,658,655	150	145,078	1,350	692,497	1,335	2	13	108,056	867,955	2,322,744
		1880	64	3,814,981	.....	.....	1,554	783,019	1,527	1	26	.....	654,711	3,252,460
3	Screws[3]	1900	33	7,931,457	247	294,876	3,527	1,423,838	2,584	879	64	375,974	1,720,455	4,658,467
		1890	27	7,244,680	149	146,232	2,615	1,014,176	1,810	754	51	384,465	1,232,377	3,509,986
		1880	20	4,265,000	.....	.....	1,585	456,542	943	378	264	.....	935,800	2,184,532
4	Sewing-machine cases	1900	7	1,333,341	58	66,497	2,653	1,065,180	2,474	12	167	81,772	1,533,880	2,815,142
		1890	7	1,430,403	20	34,122	1,822	852,603	1,657	11	154	81,396	990,439	2,249,551
		1880	18	741,300	.....	.....	1,822	688,338	1,536	.....	286	.....	1,239,400	2,064,837
15	Sewing-machine repairing.[4]	1900	396	331,433	29	18,067	310	154,036	289	15	6	73,753	220,537	710,123
		1890	166	192,593	142	89,209	193	111,857	177	15	1	47,942	86,816	385,941
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Sewing machines and attachments.	1900	58	18,739,459	624	842,468	10,635	6,213,938	10,118	455	62	864,451	7,809,796	18,314,419
		1890	59	16,043,136	284	420,231	8,837	4,750,324	8,049	536	252	1,865,050	3,502,173	12,823,147
		1880	106	12,501,830	.....	.....	9,553	4,636,099	8,632	248	673	.....	4,829,106	13,863,188
13	Shipbuilding[5]	1900	1,116	77,362,701	1,407	2,008,537	46,781	24,839,163	45,744	34	1,003	3,685,661	33,486,772	74,578,158
		1890	1,010	53,393,074	1,123	1,194,870	24,811	14,833,977	24,628	9	174	1,392,551	16,925,109	40,342,115
		1880	2,188	20,979,874	.....	.....	21,345	12,713,813	21,338	.....	7	.....	11,306,444	20,130,031
2	Shirts	1900	986	20,312,412	2,041	1,734,814	38,492	11,425,101	6,604	31,074	814	4,918,576	23,662,317	49,022,845
		1890	869	14,273,611	1,543	1,511,108	31,207	9,193,495	5,437	25,563	207	2,188,265	15,704,358	33,638,593
		1880	549	6,841,778	.....	.....	25,687	5,403,696	2,878	22,186	623	.....	11,306,444	20,130,031
2	Shoddy	1900	105	5,272,929	139	166,704	1,926	748,948	1,425	480	21	293,149	4,875,192	6,730,974
		1890	94	3,754,063	144	149,483	2,155	707,099	1,252	865	38	238,094	6,003,035	7,887,000
		1880	73	1,165,100	.....	.....	1,282	400,326	695	496	91	.....	3,366,650	4,989,615
4	Show cases	1900	102	1,152,898	106	88,155	1,363	708,211	1,323	10	30	152,336	1,057,666	2,467,901
		1890	99	1,208,022	169	158,048	1,331	718,102	1,261	4	66	147,134	1,077,345	2,569,557
		1880	93	341,970	.....	.....	692	329,280	640	4	48	.....	519,585	1,172,172
2	Silk and silk goods	1900	483	81,082,201	2,657	3,134,352	65,416	20,982,194	24,206	34,797	6,413	10,264,208	62,406,665	107,256,258
		1890	472	51,007,537	1,531	1,917,877	49,382	17,762,441	17,602	28,914	2,866	4,259,623	51,004,425	87,298,454
		1880	382	19,125,300	.....	.....	31,337	9,146,705	9,375	16,396	5,566	.....	22,467,701	41,033,045
10	Silversmithing	1900	44	1,999,921	105	118,047	1,437	803,662	1,215	196	26	91,012	1,229,158	2,936,462
		1890	24	410,773	40	59,874	274	193,778	257	13	4	20,755	204,237	621,567
		1880	38	257,198	.....	.....	131	76,640	123	8	.....	.....	102,058	263,931
10	Silverware	1900	59	12,142,008	547	636,342	4,376	2,639,480	3,999	318	59	818,794	4,554,487	10,569,121
		1890	30	5,317,641	161	223,456	2,145	1,394,973	2,003	130	12	633,891	2,129,344	5,813,737
		1880	39	1,640,900	.....	.....	1,029	675,943	882	34	113	.....	1,028,502	2,253,930
1	Slaughtering and meat packing, not including retail butchering.[6]	1900	1,134	190,706,927	10,290	10,178,773	69,441	33,923,253	64,810	2,960	1,671	24,199,833	686,860,891	790,252,586
		1890	1,367	118,016,066	4,240	4,735,047	44,812	24,668,202	43,097	1,011	704	15,882,255	482,897,331	564,667,035
		1880	872	49,419,213	.....	.....	27,297	10,508,530	26,113	.....	1,184	.....	267,738,902	303,562,413
10	Smelting and refining, not from the ore.[7]	1900	61	5,200,523	203	229,244	983	532,068	927	54	2	270,359	5,899,935	7,784,695
		1890	50	9,425,912	119	171,053	1,646	951,300	1,639	1	6	472,996	25,285,191	28,188,826
		1880	4	162,100	.....	.....	311	158,300	309	.....	2	.....	8,171,900	8,411,100
14	Soap and candles	1900	558	38,068,334	2,788	2,777,071	9,487	3,754,767	6,794	2,066	627	6,237,893	33,143,230	53,231,017
		1890	578	24,821,069	1,484	1,534,794	7,821	3,416,854	6,125	1,182	514	3,355,625	28,687,412	43,600,285
		1880	629	14,541,294	.....	.....	5,289	2,219,513	4,368	388	533	.....	19,907,444	26,552,627
14	Soda water apparatus	1900	30	4,202,452	227	243,710	963	549,939	942	20	1	452,339	997,436	3,015,493
		1890	12	3,354,928	154	181,041	839	547,080	806	22	11	381,110	1,016,202	2,711,879
		1880	8	413,000	.....	.....	332	169,235	308	17	7	.....	565,538	1,075,569

[1] In 1890 included in "all other industries;" in 1900 included in "rubber and elastic goods."
[2] In 1880 includes 268 establishments reported as "salt" and 8 as "salt, ground."
[3] Includes 20 establishments in 1890 and 25 in 1900 reported as "screws, machine," and 7 in 1890 and 8 in 1900 as "screws, wood."
[4] Included in other classifications in 1880.
[5] In 1900 includes 1,072 establishments reported as "ship and boat building, wooden," and 44 as "shipbuilding, iron and steel."
[6] Includes 213 establishments in 1900 and 249 in 1890 reported as "sausage," 573 in 1900 and 611 in 1890 as "slaughtering and meat packing, wholesale," and 348 in 1900 and 507 in 1890 as "slaughtering, wholesale, not including meat packing."
[7] In 1880 and 1890 reported as "smelting and refining."

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
14	Sporting goods	1900	144	$2,018,737	168	$167,509	2,230	$810,943	1,189	989	52	$194,748	$1,802,903	$3,633,396
		1890	136	1,693,776	191	176,059	2,008	705,911	1,044	852	112	101,709	1,119,806	2,709,449
		1880	86	1,444,750	.....	.....	1,401	411,854	565	734	102	.....	692,616	1,556,258
3	Springs, steel, car and carriage.	1900	48	4,684,278	166	275,205	2,102	1,061,006	2,094	2	6	337,000	3,024,656	5,690,499
		1890	57	3,459,422	158	211,828	1,734	962,942	1,700	.....	34	178,290	2,219,408	4,331,571
		1880	59	1,769,293	.....	.....	1,530	699,412	1,487	1	42	.....	2,346,818	3,654,862
10	Stamped ware[1]	1900	139	13,954,176	590	667,825	10,002	3,730,241	6,921	2,429	652	785,219	7,333,028	14,546,191
		1890	104	9,718,585	346	424,798	7,281	2,834,809	5,258	1,543	480	664,570	5,505,632	11,277,508
		1880	27	2,325,940	.....	.....	2,730	972,544	2,061	424	245	.....	2,422,849	3,997,926
8	Starch	1900	124	11,671,567	406	451,334	2,655	1,099,696	2,088	535	32	700,277	5,806,422	9,232,984
		1890	80	4,929,155	218	229,909	2,903	959,108	2,307	484	112	1,108,135	6,153,677	8,934,517
		1880	139	5,328,256	.....	.....	3,119	919,197	2,710	301	108	.....	4,911,060	7,477,742
14	Stationery goods, not elsewhere specified.[2]	1900	113	4,494,507	453	411,792	3,032	958,471	1,327	1,508	197	584,081	2,128,445	5,065,869
		1890	206	5,438,934	564	643,629	4,315	1,684,868	2,157	1,971	187	431,473	5,328,252	9,456,467
		1880	159	3,286,325	.....	.....	3,117	1,159,893	1,871	1,028	218	.....	3,601,426	5,898,322
3	Steam fittings and heating apparatus.	1900	227	18,233,173	1,215	1,477,115	9,252	4,982,857	9,073	141	38	1,349,694	10,219,506	22,084,860
		1890	217	17,017,364	1,134	1,390,062	10,645	6,204,333	10,345	188	112	1,485,212	10,628,314	23,147,434
		1880	95	3,075,751	.....	.....	2,474	1,305,739	2,425	.....	49	.....	2,857,000	5,127,842
14	Steam packing[3]	1900	97	2,691,304	290	325,877	1,147	525,332	1,034	101	12	290,067	1,546,398	3,493,710
		1890	34	538,564	103	77,192	315	151,982	276	29	10	101,192	357,819	1,003,372
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Stencils and brands	1900	92	532,528	34	21,974	418	206,291	374	28	16	53,128	140,711	673,784
		1890	106	445,165	142	135,895	357	209,482	319	24	14	58,839	167,590	732,611
		1880	104	224,525	.....	.....	305	139,639	261	11	33	.....	144,554	472,514
6	Stereotyping and electrotyping.	1900	140	2,389,215	330	311,980	2,408	1,458,977	2,210	121	77	402,592	766,603	3,772,025
		1890	81	1,332,129	186	245,106	1,289	823,885	1,166	67	56	161,924	500,744	2,183,909
		1880	45	536,000	.....	.....	642	312,208	562	44	36	.....	200,491	724,689
14	Straw goods, not elsewhere specified.	1900	4	25,070	3	1,800	54	14,381	22	29	3	847	12,933	36,985
		1890	6	106,750	9	15,340	424	105,048	116	306	2	18,685	134,945	329,987
		1880	77	3,333,560	.....	.....	10,948	2,556,197	3,278	7,501	169	.....	5,455,559	9,345,759
1	Sugar and molasses, beet[4]	1900	30	20,141,719	350	356,675	1,970	1,092,207	1,951	4	15	441,384	4,803,796	7,323,857
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	4	365,000	.....	.....	350	62,271	350	.....	.....	.....	186,128	282,572
1	Sugar and molasses, refining.	1900	832	184,245,519	1,881	1,696,824	14,262	6,945,811	13,644	422	196	7,034,637	222,503,741	240,969,905
		1890	393	24,013,008	486	429,621	7,043	2,385,654	6,697	246	100	5,920,763	107,758,811	128,118,259
		1880	49	27,432,500	.....	.....	5,857	2,875,032	5,832	.....	25	.....	144,698,499	155,484,915
14	Surgical appliances	1900	219	2,487,494	359	356,216	1,530	620,801	755	686	98	772,197	1,291,580	3,932,358
		1890	155	856,396	300	248,514	612	300,804	355	233	24	184,749	524,488	1,050,033
		1880	71	843,142	.....	.....	477	265,372	308	154	15	.....	283,720	906,303
15	Taxidermy	1900	147	366,077	9	5,998	180	91,140	148	28	4	40,387	177,038	513,112
		1890	63	293,112	65	55,875	90	46,362	79	7	4	20,361	37,727	231,773
		1880	16	25,750	.....	.....	150	22,000	27	102	21	.....	21,850	82,500
14	Teasels[5]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	5	61,400	3	1,040	69	20,544	56	10	3	1,088	50,352	84,700
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Thread, linen[6]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	1	500,000	.....	.....	930	260,000	200	730	.....	.....	750,000	1,200,000
8	Tin and terne plate[7]	1900	57	6,650,047	333	291,323	3,671	1,889,917	3,014	625	32	236,456	26,728,150	31,892,011
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Tinfoil[4]	1900	15	2,094,327	45	59,041	582	227,774	285	258	39	166,053	1,074,192	1,593,169
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	4	686,000	.....	.....	186	100,673	101	70	15	.....	198,942	416,849
10	Tinsmithing, coppersmithing, and sheet-iron working.[8]	1900	12,466	55,703,509	3,115	2,596,695	45,575	22,155,039	41,227	2,597	1,751	4,770,702	50,329,282	100,310,720
		1890	7,002	38,434,900	7,065	5,426,110	31,377	15,610,265	29,081	1,285	1,011	3,029,860	31,217,522	66,653,746
		1880	7,693	23,167,392	.....	.....	27,116	11,243,276	24,755	855	1,506	.....	26,460,228	50,183,811
11	Tobacco, chewing, smoking, and snuff.	1900	437	43,856,570	3,368	3,884,071	29,161	7,109,821	14,124	11,590	3,447	47,533,705	35,038,287	103,754,362
		1890	395	30,841,316	1,477	1,620,913	29,790	6,947,158	14,942	10,564	4,284	19,463,749	29,192,249	65,843,587
		1880	477	17,207,401	.....	.....	32,756	6,419,024	14,886	10,776	7,094	.....	34,397,072	52,793,056
11	Tobacco, cigars, and cigarettes.	1900	14,539	67,706,493	4,470	4,712,786	103,462	40,925,596	62,168	37,762	3,532	31,436,701	57,946,020	160,223,152
		1890	10,956	59,517,827	11,156	8,292,929	87,000	36,475,060	59,452	24,214	3,334	17,673,063	50,298,960	129,698,275
		1880	7,145	21,698,549	.....	.....	53,297	18,464,562	40,099	9,108	4,090	.....	29,577,833	63,979,575
11	Tobacco, stemming and rehandling.	1900	276	12,526,808	424	354,677	9,654	1,817,067	4,698	4,022	934	525,016	14,198,349	19,099,032
		1890	292	5,735,610	519	327,429	5,985	1,128,517	3,804	1,641	540	424,869	12,813,108	16,209,761
		1880	52	1,089,342	.....	.....	1,534	170,871	567	596	371	.....	1,409,502	1,897,535
3	Tools, not elsewhere specified.	1900	448	13,690,047	665	678,674	7,615	3,781,763	7,104	421	90	807,160	4,657,200	13,360,920
		1890	462	11,876,622	685	662,786	6,410	3,482,052	6,127	182	101	835,443	3,517,269	10,528,025
		1880	145	4,384,109	.....	.....	3,151	1,489,531	3,042	29	80	.....	1,532,556	4,286,568
14	Toys and games	1900	170	3,289,445	206	185,734	3,330	1,123,593	2,229	815	286	314,690	1,668,199	4,024,999
		1890	139	2,781,185	292	271,421	3,148	1,075,429	2,211	704	233	283,592	1,453,788	3,749,755
		1880	106	915,575	.....	.....	2,196	512,786	1,153	618	425	.....	595,833	1,562,513
14	Trunks and valises	1900	391	7,046,649	714	694,349	7,084	2,834,892	6,169	547	368	816,913	6,045,387	12,693,225
		1890	395	6,900,756	753	722,999	6,082	2,790,750	5,555	301	176	663,762	4,703,982	10,821,621
		1880	265	2,792,256	.....	.....	4,534	1,786,586	3,805	254	475	.....	3,910,133	7,252,470

[1] Includes 5 establishments in 1890 and 1 in 1880 reported as "fruit-jar trimmings" and 99 in 1890 and 26 in 1880 as "stamped ware."
[2] In 1890 included 6 establishments reported as "pencil cases" and 200 as "stationery goods, not elsewhere specified."
[3] Included in other classifications in 1880.
[4] In 1890 included in "all other industries."
[5] No reports received for this industry in 1880 and 1900.
[6] In 1890 included in "all other industries;" in 1900 included in "linen goods."
[7] No reports received for this industry in 1880 and 1890.
[8] In 1880 includes 98 establishments reported as "coppersmithing" and 7,595 as "tinware, copperware, and sheet-iron ware."

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
14	Turpentine and rosin[1]	1900	1,503	$11,847,495	1,889	$778,694	41,864	$8,393,483	41,375	173	316	$476,171	$6,186,492	$20,344,888
		1890	670	4,062,375	49	26,944	15,266	2,906,547	15,031	141	94	178,662	2,874,693	8,077,379
		1880	508	1,866,390	.....	.....	10,535	1,623,061	9,955	338	242	.....	2,324,637	5,876,983
10	Type founding	1900	22	2,269,370	188	210,426	1,424	803,470	1,071	305	48	241,134	863,689	2,842,384
		1890	38	4,968,309	222	280,238	1,950	1,121,511	1,245	605	100	236,907	1,434,092	3,916,904
		1880	48	2,772,690	.....	.....	1,986	958,693	1,327	406	253	.....	660,748	2,330,298
15	Typewriter repairing[2]	1900	85	134,123	32	23,690	185	116,220	176	5	4	39,694	110,603	367,176
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Typewriters and supplies[3]	1900	47	8,400,431	532	480,468	4,340	2,403,604	3,979	294	67	714,721	1,402,170	6,932,029
		1890	80	1,421,788	104	132,727	1,631	945,476	1,472	157	2	119,773	632,723	3,630,126
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Umbrellas and canes	1900	261	4,677,917	590	505,330	5,695	1,889,678	2,281	3,171	243	621,057	8,457,167	13,855,908
		1890	435	5,646,289	841	768,937	6,022	2,435,860	2,959	2,924	139	961,328	7,562,921	13,771,927
		1880	172	2,658,725	.....	.....	3,608	1,158,682	1,504	1,859	245	.....	4,502,777	6,917,463
2	Upholstering materials[4]	1900	270	7,593,598	358	363,926	5,098	1,715,073	2,911	1,919	268	503,438	5,881,621	10,048,164
		1890	152	4,427,654	248	232,148	3,231	1,221,914	2,168	892	171	244,043	3,013,253	5,733,039
		1880	79	1,690,200	.....	.....	1,477	523,417	961	306	210	.....	1,023,154	1,837,705
8	Varnish	1900	181	17,550,892	1,198	1,939,333	1,546	995,803	1,479	62	5	1,616,642	10,939,131	18,687,240
		1890	140	11,308,943	706	1,016,346	1,145	732,715	1,116	19	10	1,310,811	7,305,663	13,795,510
		1880	81	3,778,100	.....	.....	573	366,716	550	.....	23	.....	3,699,684	5,721,174
3	Vault lights and ventilators.	1900	14	120,750	11	12,775	138	81,184	138	.....	.....	14,792	140,719	338,111
		1890	15	175,225	31	44,814	174	115,780	172	1	1	25,388	185,529	455,413
		1880	12	138,450	.....	.....	115	66,204	115	.....	.....	.....	108,981	273,395
1	Vinegar and cider	1900	1,152	6,187,728	456	391,541	1,801	720,316	1,643	136	22	379,336	3,272,565	6,454,524
		1890	694	5,858,395	751	428,388	2,637	720,681	2,452	155	30	355,334	3,268,455	6,649,300
		1880	306	2,151,766	.....	.....	1,257	413,451	1,160	44	53	.....	1,888,173	3,418,038
14	Washing machines and clothes wringers.	1900	118	2,404,569	104	104,264	1,509	548,707	1,419	7	83	129,729	2,174,762	3,735,243
		1890	163	1,712,953	209	158,635	1,030	430,888	938	25	67	82,444	1,354,550	2,489,175
		1880	61	652,549	.....	.....	476	176,287	398	18	60	.....	587,648	1,182,714
10	Watch and clock materials.[5]	1900	20	367,291	16	20,461	331	152,234	186	145	.....	9,015	105,549	345,347
		1890	36	705,647	48	54,763	547	258,422	417	116	14	31,407	326,398	831,348
		1880	22	123,550	.....	.....	324	101,050	228	47	49	.....	149,315	350,695
10	Watch cases	1900	30	8,119,292	235	289,366	3,907	1,924,847	2,929	866	112	317,902	4,393,647	7,783,960
		1890	45	4,727,100	190	219,699	3,679	1,896,587	2,944	710	25	443,175	5,022,455	8,618,479
		1880	27	1,584,740	.....	.....	1,758	976,041	1,418	139	201	.....	2,812,922	4,589,314
15	Watch, clock, and jewelry repairing.	1900	12,229	12,741,973	330	181,018	8,380	4,683,086	7,831	284	315	2,276,804	4,432,108	20,235,039
		1890	4,502	6,057,125	3,828	2,655,475	4,819	2,861,120	4,632	71	116	1,047,575	2,225,888	10,704,477
		1880	1,202	1,704,571	.....	.....	1,657	866,996	1,547	32	78	.....	763,249	2,712,810
10	Watches	1900	13	14,235,191	165	294,449	6,880	3,586,723	3,381	3,473	26	572,080	1,291,318	6,822,611
		1890	19	10,106,114	80	101,119	6,595	3,587,808	3,935	2,640	20	733,404	995,740	6,051,066
		1880	11	4,144,327	.....	.....	3,346	1,712,276	2,127	1,219	.....	.....	982,224	3,271,244
14	Whalebone and rattan	1900	3	56,200	.....	.....	14	7,856	13	1	.....	4,657	98,875	135,000
		1890	9	221,358	10	15,700	69	38,013	48	21	.....	13,297	555,173	682,977
		1880	12	166,450	.....	.....	175	75,003	123	42	10	.....	371,450	526,777
12	Wheelbarrows	1900	15	513,467	31	26,605	321	127,398	321	.....	.....	41,542	180,036	454,441
		1890	26	1,116,359	53	46,319	567	251,189	560	.....	7	86,125	637,720	1,185,565
		1880	22	266,200	.....	.....	239	72,489	220	.....	19	.....	101,853	227,392
14	Whips	1900	60	1,893,703	228	245,596	1,287	478,176	853	358	76	277,599	1,278,324	2,734,471
		1890	81	1,632,404	143	141,380	944	403,142	668	268	8	245,962	821,614	2,153,818
		1880	88	1,078,070	.....	.....	1,056	415,007	742	266	48	.....	701,225	1,698,633
14	Windmills	1900	68	4,308,666	281	249,684	2,045	940,474	2,027	10	8	314,628	2,172,098	4,354,312
		1890	77	2,463,231	185	135,808	1,110	555,775	1,099	4	7	171,781	1,123,947	2,475,050
		1880	69	697,100	.....	.....	596	244,197	585	3	8	.....	523,594	1,010,542
14	Window shades	1900	207	5,507,842	314	335,233	2,012	871,532	1,477	507	28	400,710	6,046,062	8,868,259
		1890	182	4,167,457	374	421,516	2,025	1,016,255	1,644	364	17	1,298,181	5,341,874	9,239,669
		1880	181	1,385,515	.....	.....	1,279	479,133	1,015	143	121	.....	1,635,700	2,826,518
3	Wire	1900	29	4,242,173	94	136,327	1,603	859,645	1,561	23	19	213,419	7,014,319	9,421,238
		1890	24	11,607,685	208	327,280	7,596	3,856,522	7,547	48	1	447,480	15,038,540	22,012,804
		1880	40	4,230,071	.....	.....	6,169	1,982,731	5,544	172	453	.....	7,034,065	10,836,605
3	Wirework, including wire rope and cable	1900	597	16,374,629	995	939,904	9,255	3,934,525	7,821	1,162	272	1,014,708	10,858,229	19,942,882
		1890	569	11,757,902	963	897,618	6,954	3,085,591	5,809	870	275	858,877	8,325,435	15,552,857
		1880	305	3,681,893	.....	.....	4,459	1,708,165	3,595	300	564	.....	5,410,084	9,127,818
4	Wood, preserving	1900	21	1,229,746	54	56,670	478	205,105	477	.....	1	61,763	1,825,355	2,395,748
		1890	4	262,718	15	12,692	80	29,317	80	.....	.....	13,385	50,697	143,475
		1880	2	120,000	.....	.....	36	14,717	36	.....	.....	.....	62,700	101,110
4	Wood, turned and carved[6]	1900	1,171	10,278,418	564	487,862	11,569	4,875,345	10,909	364	296	617,366	5,885,492	14,338,503
		1890	872	7,825,668	1,028	893,870	7,402	3,333,553	5,874	290	238	624,837	3,947,227	10,939,647
		1880	916	4,482,800	.....	.....	7,240	2,585,578	6,437	142	661	.....	3,637,950	8,426,817
4	Woodenware, not elsewhere specified.	1900	104	3,824,512	160	137,981	3,206	1,073,303	2,823	223	160	210,789	1,468,383	3,585,542
		1890	167	2,711,609	220	186,921	2,881	1,050,413	2,607	131	143	200,961	1,498,773	3,597,602
		1880	287	3,606,794	.....	.....	5,033	1,539,571	4,268	144	621	.....	2,635,720	5,235,474
2	Wool hats	1900	24	2,050,802	57	66,766	2,108	937,865	1,358	651	99	185,644	2,042,202	3,591,940
		1890	32	4,142,224	92	113,968	3,500	1,249,976	2,220	1,121	159	249,568	2,802,041	5,329,921
		1880	43	3,615,830	.....	.....	5,470	1,893,215	3,222	1,459	789	.....	4,785,774	8,516,569

[1] In 1880 and 1890 reported as "tar and turpentine."
[2] No reports received for this industry in 1880 and 1890.
[3] No reports received for this industry in 1880.
[4] In 1880 and 1890 reported as "upholstery materials."
[5] Included 4 establishments in 1890 and 2 in 1880 reported as "clock cases and materials:" 32 in 1890 and 20 in 1880 as "watch and clock materials."
[6] In 1880 included 206 establishments reported as "handles, wooden," and 710 as "wood, turned and carved."

TABLE 4.—COMPARATIVE SUMMARY, BY SPECIFIED INDUSTRIES: 1880, 1890, AND 1900—Continued.

Group number.	INDUSTRIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
							Total.		Average number.					
					Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
2	Wool pulling[1]	1900	34	$944,715	35	$35,422	475	$247,950	475	.....	.....	$47,395	$53,975	$531,287
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Wool scouring[1]	1900	25	1,061,123	45	72,011	720	338,606	646	74	.....	102,039	193,826	889,809
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Woolen goods	1900	1,035	124,386,262	2,246	2,934,048	68,893	24,757,006	40,601	24,535	3,757	7,208,634	71,011,956	118,430,158
		1890	1,311	130,989,940	2,436	2,339,737	76,915	26,139,194	42,130	30,159	4,626	8,402,623	82,270,335	133,577,977
		1880	1,990	96,095,564	.....	.....	86,504	25,836,392	46,978	29,372	10,154	.....	100,845,611	160,606,721
2	Worsted goods	1900	186	132,168,110	1,369	2,342,218	57,008	20,092,738	25,595	25,829	5,584	6,767,611	77,075,222	120,314,344
		1890	143	68,085,116	615	935,217	42,978	14,944,966	19,071	20,082	3,825	4,917,760	50,706,769	79,194,652
		1880	76	20,374,043	.....	.....	18,803	5,688,027	6,435	9,473	2,895	.....	22,013,628	33,549,942
10	Zinc[2]	1900	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1890	8	1,007,320	30	38,270	1,052	614,826	1,049	.....	3	76,723	2,005,682	2,976,730
		1880	16	2,022,600	.....	.....	1,298	666,970	1,286	.....	12	.....	1,771,055	2,725,165
10	Zinc, smelting and refining.[2]	1900	31	14,141,810	208	440,200	4,869	2,355,921	4,843	8	18	399,472	13,286,058	18,183,498
		1890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	All other industries[3]	1900	4	447,959	22	30,680	132	58,661	87	45	.....	56,325	299,339	503,449
		1890	12	2,952,222	49	62,448	1,699	559,632	735	926	38	219,518	1,773,808	3,142,145
		1880	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Included in other classifications in 1880 and 1890.

[2] The report for "zinc" in 1880 and 1890 differed in several particulars from that for "zinc, smelting and refining" in 1900, and a comparison between these industries is therefore impracticable.

[3] In 1900 embraces collars and cuffs, paper, 1; cotton, cleaning and rehandling, 2; fuel, artificial, 1; in 1890 embraces fuel, artificial, 2; phonographs and graphophones, 2; racking hose, 1; rubber, vulcanized, 1; sugar and molasses, beet, 2; thread, linen, 2; tinfoil, 2.

THE FIFTEEN GROUPS OF INDUSTRIES.

The manufacturing industries of the United States may now be considered from the point of view of their interdependence or relationship to one another. Previous censuses have made no attempt to combine industries allied to each other through similarity in the raw materials which lie at their base, or in the uses which their products subserve.

To remedy this defect, the Twelfth Census has brought the industries of the country together into 15 grand groups. In making this generic grouping the effort has been to follow lines distinct and well recognized in common practice. The hand trades are set off into one group and the true manufacturing industries are collected into groups distinguished either by similarity of the chief components employed as raw material, or by similarity in the use of the products, or by both. The grouping founded upon these lines is found to include all but a comparatively small number of industries, which are classed together as an independent group.

Statistics, like other branches of investigation, reaches the point where it may properly be called scientific, when the fundamental resemblances of individual phenomena are noticed, and the former haphazard knowledge becomes organized knowledge. The 354 industries of the census correspond, in a measure, to the "species" of natural history, while the 15 great groups of industries are analogous to the "genera," the whole making the great "order" of manufacturing industry. Thus viewed, we have as the subject of investigation the great order of manufacturing industry, made up of the 15 genera or groups of industries, each utilizing a common material or subserving a common purpose. These family groups ramify into the 354 various industries, each in turn made up of the individual establishments.

TABLE 5.—COMPARATIVE SUMMARY, FIFTEEN GROUPS OF INDUSTRIES: 1880, 1890, AND 1900.

GROUPS.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.	
				Number	Salaries.	Total number	Total wages.
United States	1900	512,254	$9,817,484,799	396,759	$403,711,233	5,308,406	$2,322,333,877
	1890	355,415	6,525,156,486	461,009	391,988,208	4,251,613	1,891,228,321
	1880	253,852	2,790,272,606	.....	.....	2,732,595	947,953,795
Group 1.—Food and kindred products	1900	61,302	940,889,838	46,732	39,313,664	318,809	129,910,070
	1890	41,296	507,678,328	[1] 48,113	[1] 33,354,171	249,321	90,373,450
	1880	38,427	318,800,209	([2])	([2])	174,410	51,840,649
Group 2.—Textiles	1900	30,048	1,366,604,058	44,502	49,982,357	1,029,910	341,734,399
	1890	16,847	1,008,050,268	[1] 33,971	[1] 35,496,486	824,138	278,167,769
	1880	14,137	594,922,734	([2])	([2]).	710,493	198,456,573
Group 3.—Iron and steel and their products	1900	13,896	1,528,979,076	49,828	58,090,781	733,968	381,875,499
	1890	11,169	997,872,438	[1] 30,943	[1] 36,583,536	581,823	285,351,714
	1880	8,823	487,870,983	([2])	([2])	379,491	160,865,294
Group 4.—Lumber and its remanufactures	1900	47,079	946,116,515	31,110	28,982,927	546,953	212,201,768
	1890	35,586	844,418,472	[1] 41,292	[1] 30,863,184	547,776	201,558,706
	1880	42,336	313,615,888	([2])	([2])	319,661	96,267,031
Group 5.—Leather and its finished products	1900	16,989	343,600,513	14,036	14,186,690	238,202	99,759,885
	1890	12,918	246,795,713	[1] 17,782	[1] 15,348,267	212,727	98,432,593
	1880	16,208	139,850,821	([2])	([2])	181,772	70,539,442
Group 6.—Paper and printing	1900	26,747	557,610,887	48,183	48,974,138	297,551	140,092,453
	1890	20,160	344,003,723	[1] 35,543	[1] 34,625,986	225,645	117,611,864
	1880	6,044	135,367,497	([2])	([2])	119,388	53,371,147
Group 7.—Liquors and beverages	1900	7,861	534,101,049	10,899	16,893,405	63,072	36,946,557
	1890	4,219	310,002,635	[1] 8,407	[1] 11,118,673	48,358	29,140,916
	1880	3,880	134,997,731	([2])	([2])	38,747	17,148,760
Group 8.—Chemicals and allied products	1900	5,444	498,390,219	22,318	26,335,164	101,522	43,870,602
	1890	5,642	322,543,674	[1] 13,469	[1] 14,171,587	76,535	33,872,540
	1880	2,914	113,887,551	([2])	([2])	45,443	17,271,308
Group 9.—Clay, glass, and stone products	1900	14,809	350,902,367	13,571	13,718,996	244,987	109,022,582
	1890	11,711	217,386,297	[1] 13,511	[1] 11,370,622	221,367	90,541,771
	1880	10,418	83,142,840	([2])	([2])	132,615	39,929,100
Group 10.—Metal and metal products other than iron and steel	1900	16,305	410,646,057	13,973	16,059,194	190,757	96,749,051
	1890	10,019	204,285,820	[1] 14,824	[1] 14,924,917	123,239	64,055,644
	1880	9,801	87,580,051	([2])	([2])	85,278	38,907,126
Group 11.—Tobacco	1900	15,252	124,089,871	8,262	8,951,534	142,277	49,852,484
	1890	11,643	96,094,753	[1] 13,152	[1] 10,241,271	122,775	44,550,735
	1880	7,674	39,995,292	([2])	([2])	87,587	25,054,457
Group 12.—Vehicles for land transportation	1900	10,113	396,778,672	16,369	15,191,444	316,214	164,614,781
	1890	10,175	248,224,770	[1] 13,251	[1] 11,172,134	221,125	118,212,379
	1880	4,472	55,317,091	([2])	([2])	68,677	27,764,713
Group 13.—Shipbuilding	1900	1,116	77,362,701	1,407	2,008,537	46,781	24,839,163
	1890	[3] 1,010	53,393,074	[1] 1,123	[1] 1,194,870	24,811	14,833,977
	1880	2,188	20,979,874	([2])	([2])	21,345	12,713,813
Group 14.—Miscellaneous industries	1900	29,479	1,348,920,721	53,227	49,199,283	483,273	202,746,162
	1890	19,304	768,870,920	[1] 33,192	[1] 33,363,252	302,649	136,648,444
	1880	11,149	180,245,046	([2])	([2])	188,774	66,083,451
Group 15.—Hand trades	1900	215,814	392,442,255	22,342	15,823,119	559,130	288,118,421
	1890	143,716	355,535,601	[1] 142,436	[1] 98,159,252	519,324	287,880,819
	1880	75,381	83,699,048	([2])	([2])	178,914	71,740,931

[1] Includes proprietors and firm members with their salaries; number only reported in 1900, but not included in this table. [2] Not reported separately.
[3] Includes 4 governmental establishments in 1890. (See special report on Shipbuilding in the Report on Manufactures, Part IV.)

TABLE 5.—COMPARATIVE SUMMARY, FIFTEEN GROUPS OF INDUSTRIES: 1880, 1890, AND 1900—Continued.

GROUPS.	Year.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.			Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
		Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
United States	1900	4,110,527	1,029,296	168,583	$1,027,755,778	$7,345,413,651	$13,004,400,143
	1890	3,327,042	803,686	120,885	631,225,035	5,162,044,076	9,372,437,283
	1880	2,019,035	531,639	181,921	.....	3,396,823,549	5,369,579,191
Group 1.—Food and kindred products	1900	237,950	64,639	11,220	77,986,185	1,839,256,143	2,277,702,010
	1890	191,200	49,021	9,100	52,936,982	1,318,963,830	1,636,197,191
	1880	140,976	23,276	10,158	.....	1,002,453,074	1,171,165,325
Group 2.—Textiles	1900	440,175	512,712	77,023	128,481,214	895,984,796	1,637,484,484
	1890	356,071	421,550	46,517	78,404,675	705,004,909	1,261,672,504
	1880	288,810	351,482	70,201	.....	569,610,545	971,274,539
Group 3.—Iron and steel and their products	1900	712,195	13,777	7,996	91,492,127	987,198,370	1,793,490,908
	1890	517,092	7,804	6,927	57,694,853	617,554,226	1,144,056,537
	1880	355,937	4,585	18,969	.....	369,142,796	659,411,131
Group 4.—Lumber and its remanufactures	1900	521,177	13,678	12,098	42,142,321	561,501,302	1,030,906,579
	1890	524,133	13,337	10,306	45,510,782	462,658,350	877,954,920
	1880	294,280	7,008	18,373	.....	282,809,519	489,368,139
Group 5.—Leather and its finished products	1900	175,926	55,970	6,306	22,942,594	395,551,232	583,731,046
	1890	163,398	45,786	3,543	18,587,831	294,446,011	487,556,930
	1880	147,141	29,019	5,612	.....	293,834,529	425,901,191
Group 6.—Paper and printing	1900	211,560	73,922	12,069	76,069,663	214,158,423	606,317,768
	1890	165,451	50,831	9,363	59,524,277	149,597,579	445,587,480
	1880	80,187	29,762	9,439	.....	91,792,937	198,312,617
Group 7.—Liquors and beverages	1900	60,608	1,095	1,369	188,754,387	122,218,073	425,504,167
	1890	47,134	437	787	117,046,590	109,830,410	341,155,361
	1880	38,034	131	582	.....	102,360,561	167,306,052
Group 8.—Chemicals and allied products	1900	86,384	14,310	828	49,825,945	356,192,334	552,891,377
	1890	66,572	8,649	1,314	29,508,992	239,915,794	380,056,497
	1880	40,245	3,730	1,468	.....	112,768,633	170,076,312
Group 9.—Clay, glass, and stone products	1900	225,007	9,336	10,644	19,185,657	94,615,281	293,564,235
	1890	204,284	4,551	12,532	14,094,740	68,990,146	229,806,003
	1880	115,547	2,213	14,855	.....	40,064,200	108,010,252
Group 10.—Metals and metal products, other than iron and steel	1900	158,984	26,975	4,798	21,295,406	496,979,368	748,795,464
	1890	104,329	16,157	2,753	14,731,078	179,169,940	316,908,150
	1880	70,718	9,224	5,336	.....	99,597,745	173,273,848
Group 11.—Tobacco	1900	80,990	53,374	7,913	79,495,422	107,182,656	283,076,546
	1890	78,198	36,419	8,158	37,561,681	92,304,317	211,746,623
	1880	55,552	20,480	11,555	.....	65,384,407	118,670,166
Group 12.—Vehicles for land transportation	1900	312,651	2,239	1,324	19,842,332	268,278,205	508,649,129
	1890	218,437	1,542	1,146	9,460,374	174,624,639	344,476,243
	1880	66,124	391	2,162	.....	56,128,359	104,968,728
Group 13.—Shipbuilding	1900	45,744	34	1,003	3,685,661	33,486,772	74,578,158
	1890	24,628	9	174	1,392,551	16,925,109	40,342,115
	1880	21,338	.....	7	.....	19,736,358	36,800,327
Group 14.—Miscellaneous industries	1900	383,684	89,999	9,590	81,933,611	490,073,705	1,004,092,294
	1890	236,852	60,537	5,260	49,025,323	300,231,851	645,574,453
	1880	130,737	47,894	10,143	.....	171,370,479	311,427,194
Group 15.—Hand trades	1900	457,492	97,236	4,402	124,623,253	482,786,991	1,183,615,478
	1890	429,263	87,056	3,005	45,744,306	431,826,965	1,009,347,226
	1880	173,409	2,444	8,061	.....	119,774,407	263,613,370

Having formulated a grouping of the various industries which shows their relation and interdependence, it becomes possible so to apply the rule of selection and aggregation to the results of prior censuses as to show comparative statistics for each of the groups of industries. Table 5 shows a comparison, for each of the groups, of the manufacturing statistics of the censuses of 1880, 1890, and 1900.

Group 1.—*Food and Kindred Products.*—First among the 15 groups stands the manufacture of food and kindred products, with $2,277,702,010 value in 1900, which was nearly double that for 1880, and constituted 17.5 per cent of the total value of all products of manufacture. Included in the group are 25 specified manufacturing industries which utilize one or more of the food products of agriculture. These industries are presented in detail in Table 4. In addition to the statistics of this group of industries shown in that table, there will be found in the Report on Manufactures, Part III, monographs upon several of the more important branches of food manufacture, including the factory production of cheese, butter, and condensed milk; slaughtering and meat packing; flouring and grist mill products; the canning and preserving of fruits and vegetables, of fish, and of oysters; rice, cleaning and polishing; oleomargarine; and beet sugar. A detailed account of the manufacture of cane sugar appears in the Report on Agriculture.

The cost of raw materials consumed in the group was $1,279,450,388, or more than half the gross value of products, $2,277,702,010. The large proportional value of raw materials seen in this group in general is shown particularly in the case of wholesale slaughtering and meat packing, represented by 573 establishments with

gross products of $698,206,548, the largest value of any industry in the group, or indeed of any industry in any of the 15 groups, with the exception of iron and steel.

In marked contrast in respect to distribution is the second most important manufacture included in this group, that of flouring and grist mill products, with a value of $560,719,063, from 25,258 establishments located in every state in the Union.

Group 2.—*Textiles.*—While manufactures of food stuffs form the most valuable class of products, manufactures of clothing and fabrics of every description for household and other uses occupy the third rank. The fundamental materials of this group are textile fibers of every variety—cotton, wool, flax, silk, jute, hemp, ramie, and other coarser fibers, and all admixtures of them. The group includes not merely the fabrics utilized for clothing, but such other products as carpets, oilcloths, mats and mattings, nets, cordage, etc., and the manipulation of textile goods in every form and for every purpose. Forty-four classes of manufactures appear in this group, which, at the census of 1900, comprised 30,048 establishments, being fourth in rank among the 15 groups in this particular. The value of products of these establishments was $1,637,484,484, which constituted 12.6 per cent of the total value of all products for the United States, and was exceeded in 1900 only by group 1, food and kindred products, and by group 3, iron and steel and their products. At the census of 1890 it was second in respect to value of products. Monographs on the leading industries of this group appear in the Report on Manufactures, Part III, including reports on the combined textiles; cotton manufacture; wool manufacture; silk manufacture; hosiery and knit goods; flax, hemp, and jute; dyeing and finishing of textiles; collars, cuffs, and shirts; and the wholesale clothing manufacture.

The cotton manufacture stands at the head of the textile industries proper, with respect to all the items covered by the census reports, the value of its products being $332,806,156.

The United States has pressed forward so rapidly in the manufacture of cotton that in the production of cotton goods, judged by relative spinning capacity, it now holds the second rank among nations.

The advance of the wool manufacture into the perfected factory system has been more slow than that of cotton, although there are many wool-working establishments of enormous productive capacity. The range of products made in American wool factories is as wide as the multiform uses of this most valuable of fibers. The principal products of the industry fall naturally into four great groups—woolen goods, worsted goods, carpets, and felts. The once extensive industry of wool hat manufacture has well-nigh been swallowed up by the newer fur hat industry.

The census of 1900 shows a continued decadence in the manufacture of woolens proper, as distinguished from worsteds, there being an actual decrease in the value of the products of woolen mills, accompanying a marked increase in the value of worsted products. The worsted manufacture is an industry of comparatively recent origin in the United States. Early in the forties there were two or three large mills in New England for the production of worsted fabrics or stuffs for women's wear, but the manufacture made little headway until after the close of the civil war, and it was not until about 1870 that the manufacture of worsted goods for men's wear was seriously undertaken in this country. Since then, however, the development of the industry along these lines has been phenomenal, and there are now in this country half a dozen or more mills of most modern equipment turning out these goods in larger quantities than any foreign establishments.

The most notable achievement in textile manufactures has been, perhaps, in the carpet industry. Beyond question the United States is the greatest carpet manufacturing nation. The 133 mills engaged in this industry in 1900 produced $48,192,351 worth of two-ply or three-ply ingrains, Brussels, moquettes, tapestries, velvets, Smyrnas, and the higher grades of Axminsters and Aubussons, representing an aggregate of over 80,000,000 square yards of carpets.

The manufacture of hosiery and knit goods has in previous censuses been treated as a branch of wool manufacture; it is now more properly presented as a cognate industry, wool having given place to cotton as the chief material of these goods. In this industry also the United States has outstripped the rest of the world. More machine-knit goods, both underwear and hosiery, are turned out annually in this country than in all other countries combined. The value of the products of hosiery and knit goods mills in the census year was $95,482,566, an increase of 42 per cent since 1890. The great variety of goods made, facilitates a tendency shown by this industry to maintain itself in comparatively small mills which purchase their yarns and require but small capital.

Notable also among textiles for its rapid development in recent years is the silk manufacture. In 1850 there were but 67 establishments engaged in this industry, and their production was valued at only $1,809,476. The present census shows 483 establishments manufacturing goods valued at $107,256,258, which is an increase of 22.9 per cent since 1890. Notwithstanding the fact that American silk factories depend entirely upon imports for their raw silk material, the industry has grown so rapidly, stimulated by many inventions of American origin, and by the general prosperity of the people which has encouraged consumption of these comparatively expensive goods, that the United States has in fifty years become the chief silk-manufacturing nation in the world, with the possible exception of France, the value of whose products in this industry may still slightly exceed that of the products of the United States.

The only branch of textile manufacture in which the

United States has not made a progress in keeping with that of all other lines of industry, is the linen manufacture; and the reasons for this are fully explained in the special report upon the flax, hemp, and jute industry, which appears in the Report on Manufactures, Part III.

Cotton Ginning.—Included in the textile group are reports from 11,369 establishments employed in the ginning of cotton. Reports from these establishments, giving the quantity of cotton ginned in the United States preparatory to placing it on the market, constitute a portion of the results of a special inquiry, undertaken for the first time at the Twelfth Census. Much important information, new to the public, was elicited, and the contribution to the precise and accurate knowledge of the cotton crop of the census year was accepted as so important and valuable that, by order of the Director, a second inquiry was undertaken regarding the crop of 1900, and this second report was followed by a third upon the cotton crop of 1901.

The law establishing a permanent census office provides for the annual continuation of the report on cotton ginning and for its publication in parts at frequent intervals.

The cotton ginning report for the census year was based upon returns from 29,620 gins, which, in accordance with the peculiar conditions surrounding this industry, consisted of 6,468 establishments operated for the public, 2,863 establishments operated only for the plantations upon which was grown the cotton they handled, and 20,289 establishments operated jointly for the plantations owning them and for the planters of the immediate neighborhood. In the general statistics of manufactures only 11,369 of these 29,620 ginneries appear under the industry "cotton ginning." The discrepancy is due to the fact that the plantation ginneries were included in the agricultural reports, and to the further fact, explained elsewhere in this report, that a large proportion of these ginning establishments are run in connection with sawmills, grist mills, and cotton-seed oil mills, the separate lines of industry being carried on in the same establishment successively at different seasons of the year; in the consolidation of the reports made to the Census Office, the establishment was assigned to the industry the product of which predominated in value.

Group 3.—Iron and Steel.—The third great group comprises the products of iron and steel in almost infinite variety. Iron is said to be the basis of all manufacturing industry, and the condition of this basic industry is regarded in trade as the most accurate barometer of the general condition of all industrial enterprise. "Manufactures of iron constitute, in whole or in part, the implements or materials, or both, of almost every useful occupation."[1] Included in this group are the primary or fundamental products of iron and steel, such as pig iron, iron and steel ingots, billets, rails, structural iron and steel, machinery and tools of every description, all forms of hardware, and a well-nigh innumerable group of subsidiary products. Special reports upon the primary iron and steel industries, blast furnaces, forges and bloomeries, rolling mills, and steel works; upon locomotives; upon machinery; and upon various other subordinate branches of the industry appear in Part IV, Manufactures.

Returns were received from 13,896 establishments in this group, representing a value of products of $1,793,490,908, which constitutes 13.8 per cent of the total gross value of products of all industries during the census year. Since the last census there has developed an entirely new branch of manufacture, that of tin and terne plate, represented in 1900 by 57 establishments, with 3,671 wage-earners, and products valued at $31,892,011. The increase in the value of products of the iron and steel group was 56.8 per cent.

At the time when the census was taken the blast furnaces, rolling mills, steel works, forges, and bloomeries were in a state of activity unprecedented in the history of the country, and yet it was impossible to promptly supply the demands for their products.

In these mills have occurred the most marked advances in labor-saving machinery and in appliances for reducing labor costs. To these advances, which are nearly all of American invention, is due the fact that since the last census was taken the United States has reached a point where, measured by value of products, it stands preeminently the greatest iron-manufacturing nation in the world. Not less striking than the increase in the value of products is the increased use to which iron and steel have been put in the evolution of other branches of industrial activity.

Group 4.—Lumber and its Remanufactures.—The fourth great group of industries is that which uses wood as its material. The Twelfth Census shows for this group 47,079 establishments, $946,116,515 capital, and $1,030,906,579 as the value of products, which was 7.9 per cent of the total value of products of the country. A special report covering the more important branches of lumber manufacture appears in the Report on Manufactures, Part III.

In each of the four preceding groups—food products, textiles, iron and steel, and lumber—the value of products for 1900 exceeded $1,000,000,000; and these four, taken together, represent more than one-half of the total value of the products of the United States.

Group 5.—Leather and its Finished Products.—The fifth great group of national industries is that which depends upon skins and hides for its chief raw materials. It includes in its products the leather itself in all its forms, tanned and curried, patent and enameled, and morocco, as well as the finished products into which the leather is remanufactured. The most im-

[1] Report on Manufactures, Dec. 5, 1791, by Alexander Hamilton, Secretary of the Treasury.

portant among these are included under the factory production of boots and shoes, and the minor industries of saddlery and harness, trunks, belting, and a great variety of other leather goods. Special reports upon the manufacture of leather and upon the factory manufacture of boots and shoes appear in Part III of the Report on Manufactures. The present census is the first which has given special treatment to the leather industry. The development of the industry is almost wholly the result of American enterprise, both as to machinery and methods, and the United States is the only country in which the factory production of boots and shoes has practically driven out the hand-made article. A large and increasing proportion of the product is exported.

Group 6.—Paper and Printing.—The sixth great group is that of paper and printing, in which 26,747 establishments, with $557,610,887 capital and 297,551 employees, turned out products valued at $606,317,768, which constituted 4.7 per cent of the total value of products for all industries. The value of products of this group of industries in 1900 was more than threefold that in 1880. The census classification includes in this group the manufacture of wood pulp, which, except for its more intimate relation under modern conditions to the manufacture of paper, might well have been included in the lumber industry. The difficulty of making a proper separation arises from the fact that many of the great paper-manufacturing companies of the present day own the forests, and operate the wood-pulp mills in intimate connection and often in the same buildings with their paper mills. This condition is one which has arisen almost wholly during the last decade; and, indeed, the whole development of the manufacture of paper from the fiber of wood is of modern date and largely of American origin. Nowhere in industry has there occurred an evolution so striking as that which has entirely changed the sources and character of the materials utilized. The paper and wood-pulp industry records a phenomenal advance during the decade. In 1900, 763 establishments produced $127,326,162 worth of products, an increase in value since 1890 of 61.3 per cent. A special report upon the paper manufacture is, for the first time, presented at this census, and appears in Part III of the Report on Manufactures.

In this group are 21 industries, many of which, like steel engraving, diesinking, lithographing, photo-engraving, stereotyping, and electrotyping, are only related to the rest of the group through their cognate utilities.

Next in importance to the production of the material itself, and of even greater importance than the manufacture of paper, measuring importance by value of product, stands printing and publishing, in which are included, under separate classes, book and job printing, music printing, and the printing and publishing of newspapers and periodicals, representing among them an aggregate product of $347,055,050, or more than one-half of the value of all products included in the group. A special report upon the printing and publishing industry in its several branches appears in Part III, Manufactures. The old-fashioned, laborious method of typesetting by hand has very generally given place, particularly in newspaper offices, to machine typesetting. Accompanying this change has been a development in the printing press which permits the production of newspapers of enormous size with a rapidity and at a price not conceived of twenty-five years ago as within the possibility of mechanical enterprise.

Group 7.—Liquors and Beverages.—The seventh great group of industries covers the production of liquors and beverages, including distilled liquors, malt liquors, wines, and mineral and soda waters, and the important cognate industry of bottling. The group includes 7,861 establishments, with $534,101,049 capital, 63,072 wage-earners, and with products valued at $425,504,167, which sum represents 3.3 per cent of the total value of products for all industries. Special reports upon the principal industries of this group appear in Part III, Manufactures.

The products of the distilleries, breweries, and wineries of the country represented a total annual production of 1,325,358,094 gallons of beverages. If this quantity be increased by the excess of imports over exports of the various classes of malt, distilled, and vinous liquors, and the total diminished by the excess of distillates manufactured over those withdrawn from bond, the result obtained (1,322,000,000 gallons) will indicate the approximate annual consumption by the people of the United States.

Group 8.—Chemicals and Allied Products.—The eighth great group of industries is that of chemicals and allied products, in which are included, in a manner somewhat arbitrary, the manufacture not only of chemicals proper, but the proprietary and patent preparations of drugs, medicines, and compounds, expressed and other oils, nonmineral paints, explosives, fertilizers, dyestuffs and extracts, salt, petroleum refining, and many similar industries, the total number of classes being 20. A special report on the manufacture of chemicals covering the most important of the above classes appears in Part IV of the Report on Manufactures, where are also included special reports upon the manufacture of salt and starch, and petroleum refining. The manufacture of chemicals and allied products was carried on in 5,444 establishments, with a capital of $498,390,219, employing 101,522 wage-earners, and products valued at $552,891,877, or 4.3 per cent of the total value of products for all industries.

Group 9.—Clay, Glass, and Stone Products.—The ninth great group is that of clay, glass, and stone products. Included in this group are sixteen industries, among which are pottery products, plate and window glass and glassware of all kinds, the reworking of glass

and clay products, mantels, marble-work, emery wheels, lime and cement, grindstones, millstones, hones and whetstones, monuments and tombstones, kaolin and other earth grinding, etc.

No report has been prepared upon the stone products of the country. It is practically impossible to represent the stoneworking industry separately from the quarrying of stone, with which it is so intimately connected. Quarrying, like mining, will be the subject of a subsequent report, in accordance with the provision of section 7 of the act creating a permanent Census Office. It follows that the statistics of stone products contained in the present report present a wholly inadequate picture of this important source of wealth.

The group shows 14,809 establishments, with $350,902,367 capital, 244,987 wage-earners, and $293,564,235 as the value of products, or 2.3 per cent of the total value of products for all industries—nearly threefold the value reported in 1880. Special reports upon the glass manufacture and the brick and tile and pottery industries appear in Part III, Manufactures.

Group 10.—*Metals and Metal Products, other than Iron and Steel.*—The tenth great group of industries, the manufacture of metals other than iron and steel, includes 35 of the census industries, among which are brass, copper, brass castings, watches, clocks, and jewelry, gold and silver reducing and refining, plated ware, electroplating, zinc, lead, type founding, and all metal working other than that of iron and steel. The extension of the street-railway system in all parts of the country since the successful application of electricity as a method of propulsion, has been one of the chief factors in quadrupling the uses of copper during the last ten years, and our vast domestic supplies of raw copper have enabled our manufacturers not only to supply the home demand for all forms of manufactured copper, but to develop a large export business.

For the group there were reported 16,305 establishments, with $410,646,057 capital, 190,757 wage-earners, and $748,795,464 as the value of products, or 5.8 per cent of the value of products for all industries. Special reports upon the smelting and refining of lead, copper, and zinc, upon watches and watch cases, needles and pins, and pens, included in this group, appear in Part IV, Manufactures. Attention is also directed to the special report in Part IV upon the manufacture of electrical apparatus and supplies, in which are shown many details of the new uses of copper, growing out of the rapid utilization of electric power in manufacture, transportation, lighting, and heating. In comparing the statistics of this group with those for former censuses, it should be borne in mind that formerly the production of these metals from the ore was not generally considered a manufacturing operation, and therefore the statistics of such production were not separated from the statistics of mining. In a few cases smelting was included in 1890 with the statistics of manufactures, and in view of the known expansion of metal productions since that year it is probable that the error of comparison is less than would at first appear.

Group 11.—*Tobacco.*—The eleventh great group of industries comprises those which are confined to the manufacture of tobacco in any of its forms. This group shows 15,252 establishments, with $124,089,871 capital, 142,277 wage-earners, and products of $283,076,546 in value, or 2.2 per cent of the total gross value of products in 1900, an increase of more than 100 per cent for this group since 1880.

A special report on the tobacco manufacture appears in Part III, Manufactures.

Group 12.—*Vehicles for Land Transportation.*—The twelfth great group of industries includes all manner of vehicles for land transportation. They include nine industries, the most important of which are the manufacture and repair of cars by steam and street railway companies, the manufacture of carriages and wagons, and of bicycles and tricycles.

There were 10,113 establishments in this group, with $396,778,672 capital, 316,214 wage-earners, and products valued at $508,649,129, or 3.9 per cent of the total value of products for all industries, an increase since 1880 of 384.6 per cent, or nearly fourfold. Special reports appear in Part IV, Manufactures, upon the manufacture of bicycles and tricycles, carriages and wagons, and steam railroad cars.

Group 13.—*Shipbuilding.*—The thirteenth great industry group is that of shipbuilding. The value of ships, boats, and vessels of all kinds produced in the shipyards of the country, both private and governmental, has increased from $40,342,115 in 1890 to $85,612,470 in 1900, an increase of 112.2 per cent. The whole of this increase, however, has been in the branch of iron and steel shipbuilding; the value of such vessels constructed, not including those in governmental shipyards, increased from $12,929,953 in 1890 to $50,367,739 in 1900, or 289.5 per cent. On the other hand, there was an actual decrease of 3.7 per cent in the value of wooden ships, boats, etc. (not including those in Government shipyards), built in 1900, as compared with the output of the year 1890, the amounts being $24,210,419 and $25,135,457 respectively. A special report, in which the full significance of these changes in the industry is brought out, appears in Part IV, Manufactures.

Group 14.—*Miscellaneous Industries.*—The fourteenth group of industries is a heterogeneous grouping of all the miscellaneous industries not included in any of the prior groups, nor in the hand trades, and not susceptible of such inclusion. It comprises all those branches of true manufacturing which, by reason of their peculiar character as specialties or novelties, or by reason of the special raw material utilized, or for any other reason, can not properly be classified with any of the great

general groups preceding. Among the raw materials thus employed may be specified rubber, ivory, precious stones, and the like.

Included in the miscellaneous group are 80 industries, the most important of which, on the basis of the classification by value, are agricultural implements, representing $101,207,428; electrical apparatus and supplies, representing $91,348,889; gas, illuminating and heating, representing $75,716,693; soap and candles, representing $53,231,017; rubber and elastic goods, representing $52,627,030; paving and paving materials, representing $46,447,719; rubber boots and shoes, representing $41,089,819; coke, representing $35,585,445; pianos, representing $35,324,090; and bridges, representing $30,151,624.

The group reported 29,479 establishments, $1,348,920,721 capital, 483,273 wage-earners, and products valued at $1,004,092,294, or 7.7 per cent of the total gross value of products, an increase of over threefold since 1880.

Group 15.—*Hand Trades.*—There remains to be considered one great group embracing the industries commonly known as hand trades, which in this census have been segregated from the manufacturing industries proper, in order to bring out distinctly the relative importance of each.

In the total number of establishments reporting at the Twelfth Census, these hand trades naturally represent a proportion altogether out of keeping with the relative value of their products. In 1890 there were 143,716 such establishments reporting, out of a total number for all industries of 355,415, or 40.4 per cent. In 1900 the number of such establishments had increased to 215,814, and represented 42.1 per cent of the total of 512,254 establishments. In 1890 they employed 661,760 persons, including all the proprietors of such establishments. In 1900 the number of wage-earners was 559,130, to which, in order to render the number comparable with that of the census of 1890, must be added 242,154 proprietors, making a total of 801,284. The value of the products of these establishments in 1890 was $1,009,347,226, or 10.8 per cent of the total gross value of the products of the manufacturing industries of that year. In 1900 the gross value of products was $1,183,615,478, or 9.1 per cent of the total.

Included in the 15 groups are establishments representing nearly every manufacturing industry which is pursued by man in any part of the world. The exceptions are practically confined to certain products of skilled hand labor, ordinarily known as specialties or novelties. Because of the limited profitable employment of machinery, and the higher rate of wages paid in this country for skilled labor, which forms a large item in the cost of production in this class of industries, they have not been transferred from the centers of Europe, where they had their origin generations ago.

THE RANK OF INDUSTRIES.

In Table 6 the rule has been adopted of ranking industries by the relative value of the gross products of each. It is necessary for purposes of uniformity in the census to adopt a single standard of measurement, and that of gross value of products has been adopted in all censuses, not because it is necessarily the most exact or the most significant standard of measurement, but because it is the simplest and most readily understood.

In the analysis of the statistics, however, it is necessary to point out the erroneous conclusions likely to result from a strict application of this standard of measurement, and to show that it is of value only in the most general way. Many misleading conclusions can thus be avoided.

The importance of one industry as compared with another depends upon a variety of considerations, of which the value of the gross product is only one, and in some respects the least important. Other standards of measurement which should be carefully considered are the net value of products, the amount of capital utilized, the number of hands employed, the volume of wages paid, and the character and value of the materials used.

It is a curious fact that of all the industries considered in this table there is not one which occupies the same rank among the industries when it is considered from all these points of view. To illustrate: Slaughtering and meat packing ranks first among the industries in net value of products and second in gross value, owing to the intrinsic value of the raw materials operated upon; but when considered from the point of view of capital invested, this industry falls to the tenth rank; from the point of view of the average number of wage-earners, to the seventeenth rank; and from the point of view of wages paid, to the fifteenth rank. It is thus apparent that while this industry occupies nominally the second rank when gauged by the standard adopted for census comparisons, the gross value of products, it is actually, in respect to all the other elements which are combined in manufacture, of much less importance compared with other industries. Another illustration is cotton manufacturing, which ranks eighth when the gross value of the products is taken as the standard, sixth by the net value of products, fifth by wages paid, fifth by capital invested, and second by the standard of the average number of employees. These variations in rank between these two industries make cotton manufacturing much more important economically than slaughtering and meat packing, considering both industries entirely apart from the agricultural forces employed in the creation of their raw materials.

The industry of lumber and timber products ranks second among those in the census classifications when measured by the volume of capital employed, and third when measured by the average number of wage-earners

the total amount of wages paid, but it falls to the rth rank when considered on the basis of the gross ıe, and to the fifth in the net value of products. variation in this case is easily accounted for by the that many establishments engaged in the produc- of lumber have large sums invested in great tracts imber lands for future exploitation. The flouring grist mill industry holds the second rank, measured the net value of products; fifth, measured by gross ıe; ninth, measured by the amount of capital ized; thirty-fifth, measured by the amount paid in es; and thirty-fourth, measured by the average number of wage-earners. These striking variations are explained by the peculiar conditions surrounding this industry, which is represented by an enormous number of establishments, located in both large and small communities. Some of these mills are very large, but the majority are small mills, in many cases working only during portions of the year, and being operated by the proprietors without any hired assistance.

Table 6 shows the more important items of the totals for 55 industries having products valued at over $50,000,000 in 1900, together with the rank of the industry in each of these items.

TABLE 6.—RANK OF INDUSTRIES WITH PRODUCTS VALUED AT OVER $50,000,000.

INDUSTRIES.	Number of establishments.	Rank.	Capital.	Rank.	Average number of wage-earners.	Rank.	Wages.	Rank.	VALUE OF PRODUCTS. Net.	Rank.	Gross.	Rank.
Iron and steel	668	41	$573,391,663	3	222,490	4	$120,820,276	2	$432,687,119	3	$803,968,273	1
Slaughtering and meat packing, not including retail butchering[1]	1,134	31	190,706,927	10	69,441	17	33,923,253	15	684,119,221	1	790,252,586	2
Foundry and machine shop products	9,324	15	665,058,245	1	350,327	1	182,232,009	1	377,812,876	4	644,990,999	3
Lumber and timber products	33,035	2	611,611,524	2	283,260	3	104,640,591	3	307,961,250	5	566,832,984	4
Flouring and grist mill products	25,258	4	218,714,104	9	37,073	34	17,703,418	35	540,052,649	2	560,719,063	5
Clothing, men's[2]	28,014	3	173,034,543	13	191,043	5	79,434,932	7	220,140,323	8	415,256,391	6
Printing and publishing[3]	22,312	5	292,517,072	8	162,992	7	84,249,954	6	264,859,062	7	347,055,050	7
Cotton manufactures[4]	1,055	33	467,240,157	5	302,861	2	86,689,752	5	296,633,150	6	339,200,320	8
Carpentering	21,315	6	71,327,047	31	123,985	10	71,049,737	8	176,611,706	12	316,101,758	9
Woolen manufactures[5]	1,414	28	310,179,749	7	159,108	8	57,933,817	10	218,637,292	9	296,990,484	10
Boots and shoes, factory product	1,600	26	101,795,233	21	142,922	9	59,175,883	9	93,701,767	19	261,028,580	11
Sugar and molasses refining	832	37	184,245,519	11	14,262	45	6,945,811	46	49,216,847	40	240,969,905	12
Liquors, malt	1,509	27	415,284,468	6	39,532	33	25,826,211	23	202,582,268	10	237,269,713	13
Cars and general shop construction and repairs by steam railroad companies	1,296	30	119,580,273	16	173,652	6	96,062,329	4	111,683,559	16	218,238,277	14
Leather, tanned, curried, and finished	1,306	29	173,977,421	12	52,109	26	22,591,091	27	186,389,057	11	204,038,127	15
Masonry, brick and stone[6]	8,333	16	48,070,239	39	93,568	13	53,152,258	11	125,356,555	14	203,593,634	16
Bread and other bakery products	14,917	9	81,049,553	28	60,271	21	27,893,170	21	89,262,303	23	175,657,348	17
Lead smelting and refining	39	55	72,148,933	30	8,319	52	5,088,684	49	97,425,341	18	175,466,304	18
Lumber, planing-mill products, including sash, doors, and blinds	4,204	22	119,271,631	17	73,627	16	32,685,210	16	74,205 166	28	168,343,063	19
Copper smelting and refining	47	54	53,063,395	37	11,324	49	8,529,021	42	76,502,702	26	165,131,670	20
Tobacco, cigars and cigarettes	14,539	10	67,706,493	32	103,462	11	40,925,596	13	152,300,012	13	160,223,152	21
Clothing, women's, factory product	2,701	23	48,431,544	38	83,739	14	32,586,101	17	75,315,179	27	159,339,539	22
Furniture, including cabinetmaking, repairing, and upholstering[7]	7,972	17	117,982,091	19	100,018	12	42,638,810	12	91,151,488	22	153,168,309	23
Plumbing and gas and steam fitting	11,876	13	47,111,264	40	53,916	24	31,873,866	18	68,035,688	30	131,852,567	24
Cheese, butter, and condensed milk[8]	9,355	14	36,508,015	47	12,865	46	6,170,670	48	124,008,573	15	131,199,277	25
Paper and wood pulp	763	38	167,507,713	14	49,646	27	20,746,426	32	77,954,480	25	127,326,162	26
Petroleum refining	67	53	95,327,892	22	12,199	47	6,717,087	47	107,512,092	17	123,929,384	27
Carriages and wagons	7,632	18	118,187,838	18	62,540	19	29,814,911	19	67,172,479	31	121,537,276	28
Silk and silk goods	483	44	81,082,201	27	65,416	18	20,982,194	31	86,433,994	24	107,256,258	29
Cars, railroad and street, and repairs, not including establishments operated by steam railroad companies[9]	193	52	106,721,188	20	44,063	31	23,342,763	26	39,326,856	47	107,186,359	30
Tobacco, chewing, smoking, and snuff	437	47	43,856,570	41	29,161	39	7,109,821	45	92,915,542	20	103,754,362	31
Agricultural implements	715	39	157,707,951	15	46,582	29	22,450,880	28	60,535,599	36	101,207,428	32
Tinsmithing, coppersmithing, and sheet-iron working	12,466	12	55,703,509	35	45,575	30	22,155,039	29	51,638,038	38	100,310,720	33
Liquors, distilled	967	34	32,551,604	51	3,722	55	1,733,218	55	91,451,293	21	96,798,443	34
Hosiery and knit goods	921	35	81,860,604	26	83,387	15	24,358,627	25	54,544,999	37	95,482,566	35
Electrical apparatus and supplies	580	42	83,130,943	24	40,890	32	20,190,344	33	44,583,830	41	91,348,889	36
Painting and paper hanging	16,939	7	27,217,086	55	59,191	22	34,822,819	14	52,541,861	35	88,396,852	37
Blacksmithing and wheelwrighting	51,771	1	54,976,341	36	36,193	36	17,974,264	34	63,764,914	34	85,971,630	38
Marble and stone work[10]	6,070	19	67,509,533	33	54,370	23	28,663,241	20	69,097,079	29	85,101,591	39
Confectionery	4,297	21	35,155,361	48	33,583	37	10,867,687	38	44,179,706	42	81,290,543	40
Gas, illuminating and heating	877	36	567,000,506	4	22,459	41	12,436,296	36	64,276,431	33	75,716,693	41
Shipbuilding[11]	1,116	32	77,362,701	29	46,781	28	24,339,163	24	42,492,518	46	74,578,158	42
Millinery, custom work	16,151	8	27,740,386	54	33,298	38	9,570,536	40	34,529,813	51	70,363,752	43
Coffee and spice, roasting and grinding	458	46	28,436,897	52	6,387	54	2,486,759	54	64,741,832	32	69,527,108	44
Chemicals	459	45	89,091,430	23	19,054	44	9,401,467	41	36,918,124	48	62,676,730	45
Saddlery and harness	12,934	11	43,354,136	42	24,123	40	10,725,647	39	30,677,173	52	62,630,902	46
Patent medicines and compounds	2,026	24	37,209,793	46	11,809	48	4,407,988	50	43,819,968	44	59,611,335	47
Oil, cottonseed and cake	369	49	34,451,461	49	11,007	50	3,143,459	53	43,196,446	45	58,726,632	48
Fruits and vegetables, canning and preserving	1,808	25	27,743,067	53	36,401	35	8,050,793	44	36,668,635	49	56,668,313	49
Glass	355	50	61,423,903	34	52,818	25	27,084,710	22	43,905,999	43	56,539,712	50
Ironwork, architectural and ornamental	672	40	33,062,409	50	20,646	42	11,111,226	37	23,398,179	54	53,508,179	51
Soap and candles	558	43	38,068,334	45	9,487	51	3,754,767	52	24,228,062	53	53,231,017	52
Rubber and elastic goods	262	51	39,304,853	44	20,405	43	8,082,738	43	35,278,808	50	52,627,030	53
Brick and tile	5,423	20	82,086,438	25	61,979	20	21,883,333	30	50,312,022	39	51,270,476	54
Paints	419	48	42,501,782	43	8,151	53	3,929,787	51	18,545,525	55	50,874,995	55

[1] Includes "sausage," "slaughtering and meat packing, wholesale," and "slaughtering, wholesale, not including meat packing."
[2] Includes "clothing, men's custom work and repairing," "clothing, men's, factory product;" and "clothing, men's, factory product, buttonholes."
[3] Includes "printing and publishing, book and job;" "printing and publishing, music;" and "printing and publishing, newspapers and periodicals."
[4] Includes "cotton goods" and "cotton small wares."
[5] Includes "woolen goods," "worsted goods," "carpets and rugs, other than rag," "felt goods," and "wool hats."
[6] Includes "masonry, brick and stone;" and "plastering and stuccowork."
[7] Includes "furniture, cabinetmaking, repairing, and upholstering," and "furniture, factory product."
[8] Includes "cheese, butter, and condensed milk, factory product;" and "cheese and butter, urban dairy product."
[9] Includes "cars and general shop construction, and repairs by street railroad companies;" "cars, steam railroad, not including operations of railroad companies;" and "cars, street railroad, not including operations of railroad companies."
[10] Includes "marble and stone work" and "monuments and tombstones."
[11] Includes "ship and boat building, wood;" and "shipbuilding, iron and steel."

Table 7 shows the amounts and kinds of power used in each state and territory, in the years 1870, 1880, 1890, and 1900.

TABLE 7.—AMOUNT OF EACH KIND OF POWER, BY STATES AND TERRITORIES: 1870 TO 1900.

STATES AND TERRITORIES.	Year.	NUMBER OF ESTABLISHMENTS.		OWNED.											RENTED.		
		Total.	Reporting power.	Total horse-power.	Engines.				Water wheels.		Electric motors.		Other power.		To this establishment.		By this establishment.
					Steam.		Gas or gasoline.								Electric horse-power.	All other horse-power.	
					Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.			
United States	1900	512,254	169,409	11,300,081	156,100	8,742,416	14,884	143,850	39,182	1,727,258	16,923	311,016	2,144	54,490	183,682	137,369	54,012
	1890	355,415	100,735	5,954,655	91,410	4,581,595	(1)	8,930	39,008	1,255,206	(1)	15,569	(1)	4,784		88,571	
	1880	253,852	85,923	3,410,837	56,483	2,185,458			55,404	1,225,379							
	1870	252,148	(2)	2,346,142	(2)	1,215,711			(2)	1,130,431							
Alabama	1900	5,602	3,659	225,146	3,427	199,220	47	485	1,023	21,293	70	3,069	19	255	404	420	317
	1890	2,977	1,634	102,333	1,373	91,583	(1)	14	764	10,382	(1)	51	(1)	20		283	
	1880	2,070	1,257	27,576	551	15,779			931	11,797							
	1870	2,188	(2)	18,751	(2)	7,740			(2)	11,011							
Alaska	1900	63	45	1,962	49	1,078			14	597	11	287					
	1890	10	9	451	7	290			3	161							
	[2]1880																
	[2]1870																
Arizona	1900	314	91	9,110	132	7,688	19	371	10	442	30	496	1	75	38		
	1890	76	21	826	16	457			8	329						40	
	1880	66	21	590	14	370			8	160							
	1870	18	(2)	90	(2)	80			(2)	10							
Arkansas	1900	4,794	3,031	120,470	3,221	116,291	44	451	188	2,940	17	279	4	228	211	70	44
	1890	2,073	1,140	38,344	1,172	36,865	(1)	7	119	1,778	(1)	31	(1)	3		160	
	1880	1,202	729	15,733	545	13,709			149	2,024							
	1870	1,079	(2)	7,646	(2)	6,101			(2)	1,545							
California	1900	12,582	3,077	134,366	2,183	105,857	548	3,283	194	5,164	281	6,138	91	1,609	9,699	2,616	1,054
	1890	7,923	1,614	73,324	1,481	64,864	(1)	361	190	5,091	(1)	393	(1)	22		2,593	
	1880	5,885	1,000	32,921	779	28,071			205	4,850							
	1870	3,984	(2)	25,370	(2)	18,493			(2)	6,877							
Colorado	1900	3,570	829	45,150	830	40,299	82	524	64	1,596	40	709	14	483	1,187	352	110
	1890	1,518	399	32,734	457	30,641	(1)	36	47	1,723	(1)	53				276	
	1880	599	181	5,802	152	3,953			52	1,849							
	1870	256	(2)	2,225	(2)	1,433			(2)	792							
Connecticut	1900	9,128	2,874	270,281	2,729	178,708	178	1,712	1,294	71,414	442	8,710	42	495	4,215	5,027	2,156
	1890	6,822	2,185	163,233	1,794	96,178	(1)	215	1,365	63,417	(1)	205	(1)	120		3,098	
	1880	4,488	2,028	118,282	1,124	57,027			1,784	61,205							
	1870	5,128	(2)	80,374	(2)	25,979			(2)	54,395							
Dakota	[3]1900																
	[3]1890																
	1880	251	79	2,224	55	1,421			36	803							
	1870	17	(2)	324	(2)	248			(2)	76							
Delaware	1900	1,417	542	42,560	656	33,100	36	335	177	6,326	138	1,277			605	917	154
	1890	1,003	311	26,516	393	21,556	(1)	80	163	4,671	(1)	104	(1)	1		104	
	1880	746	317	15,428	254	10,643			232	4,785							
	1870	800	(2)	8,533	(2)	4,313			(2)	4,220							
Dist. of Columbia	1900	2,669	324	10,509	241	8,630	53	344	5	369	29	248	23	147	100	671	69
	1890	2,295	197	11,444	246	10,422	(1)	91	9	810	(1)	70				51	
	1880	971	115	3,143	118	2,263			15	880							
	1870	952	(2)	1,889	(2)	789			(2)	1,100							
Florida	1900	2,056	816	40,745	1,005	38,267	35	213	91	1,102	8	140	48	861	162		3
	1890	805	368	16,058	460	15,479	(1)	63	45	(1)	3	(1)	4		13		
	1880	426	244	7,147	193	6,208			70	939							
	1870	659	(2)	3,700	(2)	3,172			(2)	528							
Georgia	1900	7,504	4,453	189,706	3,811	144,855	51	431	1,550	40,887	48	1,065	13	493	1,728	297	293
	1890	4,285	2,002	84,221	1,565	55,082	(1)	119	1,121	28,380	(1)	157	(1)	26		457	
	1880	3,593	2,074	51,169	799	21,102			1,917	30,067							
	1870	3,836	(2)	38,243	(2)	10,826			(2)	27,417							
Idaho	1900	591	211	6,502	161	4,506	7	48	72	1,942					6		
	1890	140	64	2,001	33	972			32	1,024	(1)	2	(1)	3			
	1880	162	67	1,682	22	546			48	1,136							
	1870	101	(2)	606	(2)	311			(2)	295							
Illinois	1900	38,360	9,193	615,655	7,661	524,555	1,343	9,642	319	13,175	1,840	36,779	128	4,408	12,471	14,625	3,240
	1890	20,482	4,913	286,666	4,967	261,865	(1)	708	446	15,992	(1)	939	(1)	409		6,753	
	1880	14,549	3,722	144,288	3,445	126,843			751	17,445							
	1870	12,597	(2)	86,044	(2)	73,091			(2)	12,953							
Indiana	1900	18,015	6,272	352,789	6,498	314,776	820	12,600	492	15,510	378	5,139	26	290	2,794	1,680	954
	1890	12,354	4,292	190,898	4,523	172,506	(1)	176	698	16,181	(1)	323	(1)	34		1,678	
	1880	11,198	4,066	131,770	3,634	109,960			1,143	21,810							
	1870	11,847	(2)	100,369	(2)	76,851			(2)	23,518							

[1] Not reported separately. [2] Not reported. [3] See North Dakota and South Dakota.

TABLE 7.—AMOUNT OF EACH KIND OF POWER, BY STATES AND TERRITORIES: 1870 TO 1900—Continued.

STATES AND TERRITORIES.	Year.	NUMBER OF ESTABLISHMENTS.		OWNED.											RENTED.		
		Total.	Reporting power.	Total horse-power.	Engines.				Water wheels.		Electric motors.		Other power.		To this establishment.		By this establishment.
					Steam.		Gasorgasoline.								Electric horse-power.	All other horse-power.	
					Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.			
Indian Territory	1900	789	341	12,690	827	12,332	16	55	13	303							
	1890	20	11	424	13	349			2	75							
	[1]1880																
	[1]1870																
Iowa	1900	14,819	4,528	125,529	3,432	100,606	973	5,326	548	12,159	211	3,609	16	421	2,766	642	588
	1890	7,440	2,051	77,809	1,969	64,697	(2)	70	622	12,618	(2)	194	(2)	40		190	
	1880	6,921	1,546	54,221	1,068	33,858			1,093	20,363							
	1870	6,566	(1)	39,547	(1)	25,298			(1)	14,249							
Kansas	1900	7,830	1,628	74,391	1,427	57,735	387	3,008	231	8,820	105	2,006	53	1,217	1,420	185	15
	1890	4,471	898	43,053	847	34,806	(2)	77	216	7,617	(2)	110	(2)	220		223	
	1880	2,803	578	21,079	396	13,468			299	7,611							
	1870	1,477	(1)	8,149	(1)	6,360			(1)	1,789							
Kentucky	1900	9,560	3,666	165,140	3,661	150,328	141	1,125	572	9,284	114	1,693	12	260	1,732	718	473
	1890	7,745	1,789	82,508	1,896	75,513	(2)	223	337	6,271	(2)	100	(2)	77		324	
	1880	5,328	1,767	54,929	1,494	45,917			658	9,012							
	1870	5,390	(1)	39,568	(1)	31,928			(1)	7,640							
Louisiana	1900	4,350	2,345	217,125	3,982	213,545	77	584	16	383	61	668	21	352	1,401	192	52
	1890	2,613	554	30,184	684	29,439	(2)	213	6	66	(2)	454	(2)	5		7	
	1880	1,553	402	11,346	430	11,256			13	90							
	1870	2,557	(1)	25,066	(1)	24,924			(1)	142							
Maine	1900	6,702	2,377	271,547	1,681	90,751	115	2,405	2,179	167,264	97	2,087	23	226	7,572	1,242	3,698
	1890	5,010	2,022	150,508	965	42,796	(2)	10	2,396	104,602	(2)	191	(2)	39		2,870	
	1880	4,481	1,918	100,476	511	20,759			2,887	79,717							
	1870	5,560	(1)	79,573	(1)	9,465			(1)	70,108							
Maryland	1900	9,879	2,404	141,879	2,308	118,482	339	3,242	551	13,778	229	3,441	8	525	733	1,678	464
	1890	7,485	1,518	73,547	1,287	56,545	(2)	175	583	15,633	(2)	212	(2)	3		979	
	1880	6,787	1,532	51,259	914	33,216			1,004	18,043							
	1870	5,812	(1)	32,422	(1)	13,961			(1)	18,461							
Massachusetts	1900	29,180	8,560	824,104	6,523	579,110	474	4,157	2,342	187,848	823	19,419	116	1,561	13,424	18,585	8,312
	1890	26,923	7,207	517,897	5,084	340,774	(2)	289	2,622	158,932	(2)	2,327	(2)	268		15,307	
	1880	14,352	5,173	309,759	3,096	171,397			3,046	138,362							
	1870	13,212	(1)	184,356	(1)	78,502			(1)	105,854							
Michigan	1900	16,807	5,884	397,122	5,770	332,598	616	6,178	998	42,888	289	7,839	41	1,154	4,344	2,121	1,869
	1890	12,127	4,414	256,608	4,475	214,748	(2)	237	1,218	38,986	(2)	577	(2)	77		1,983	
	1880	8,873	3,581	164,747	3,085	130,352			1,746	34,395							
	1870	9,455	(1)	105,851	(1)	70,956			(1)	34,895							
Minnesota	1900	11,114	3,356	191,201	2,716	152,451	554	4,207	339	26,953	132	2,531	27	287	3,799	973	563
	1890	7,505	1,519	112,817	1,448	83,548	(2)	126	362	27,300	(2)	280	(2)	82		1,481	
	1880	3,493	964	53,880	569	25,191			650	28,689							
	1870	2,270	(1)	20,139	(1)	7,085			(1)	13,054							
Mississippi	1900	4,772	3,224	124,254	3,330	119,770	23	278	239	3,437	16	228			382	159	51
	1890	1,698	985	35,331	926	32,345	(2)	8	252	2,746	(2)	3	(2)	17		212	
	1880	1,479	893	18,450	635	15,001			301	3,449							
	1870	1,731	(1)	12,472	(1)	10,019			(1)	2,453							
Missouri	1900	18,754	5,041	218,372	4,575	191,558	446	3,448	358	6,748	598	7,121	32	574	5,624	3,299	1,684
	1890	14,052	3,032	145,185	3,368	137,595	(2)	457	313	4,755	(2)	618	(2)	163		1,597	
	1880	8,592	2,428	80,749	2,128	72,587			587	8,162							
	1870	11,871	(1)	55,062	(1)	48,418			(1)	6,644							
Montana	1900	1,080	311	46,981	460	29,374	19	85	51	9,965	78	1,988	17	4,310	1,196	63	5
	1890	289	94	2,848	72	2,105	(2)	17	23	666	(2)	43				17	
	1880	196	63	1,498	31	544			39	954							
	1870	201	(1)	1,617	(1)	822			(1)	795							
Nebraska	1900	5,414	1,215	45,756	848	31,916	364	2,020	217	8,943	90	1,532	10	128	866	351	50
	1890	3,014	626	23,479	514	17,021	(2)	58	196	6,123	(2)	49	(2)	49		179	
	1880	1,403	262	8,494	126	2,999			245	5,495							
	1870	670	(1)	3,811	(1)	1,865			(1)	1,446							
Nevada	1900	228	57	1,625	37	656	9	39	23	929					1		
	1890	95	20	372	17	318	(2)	48	2	6							
	1880	184	26	716	23	608			6	108							
	1870	330	(1)	8,545	(1)	6,007			(1)	2,538							
New Hampshire	1900	4,671	1,687	211,221	1,091	91,541	57	670	1,418	112,755	65	1,467	16	362	2,004	2,422	927
	1890	3,229	1,351	116,830	729	46,888	(2)	3	1,437	68,842	(2)	42	(2)	100		955	
	1880	3,181	1,653	87,750	456	18,595			2,122	69,155							
	1870	3,342	(1)	77,078	(1)	8,787			(1)	68,291							
New Jersey	1900	15,481	4,433	341,394	4,873	283,393	434	3,543	756	24,959	804	11,731	205	7,656	4,136	5,976	1,938
	1890	9,225	2,734	180,529	3,073	158,718	(2)	135	639	17,543	(2)	487	(2)	84		3,562	
	1880	7,128	2,226	99,858	1,619	72,792			1,213	27,066							
	1870	6,636	(1)	58,139	(1)	32,307			(1)	25,832							
New Mexico	1900	420	111	4,360	94	3,579	11	64	28	559			1	150	8		
	1890	127	56	1,825	46	1,492			18	323						10	
	1880	144	78	1,359	19	427			69	932							
	1870	182	(1)	911	(1)	252			(1)	659							

[1] Not reported.

[2] Not reported separately.

TABLE 7.—AMOUNT OF EACH KIND OF POWER, BY STATES AND TERRITORIES: 1870 TO 1900—Continued.

STATES AND TERRITORIES.	Year.	NUMBER OF ESTABLISHMENTS.		OWNED										RENTED.		
		Total.	Reporting power.	Total horsepower.	Engines.				Water wheels.		Electric motors.		Other power.		To this establishment.		By this establishment.
					Steam.		Gas or gasoline.								Electric horsepower.	All other horsepower.	
					Number.	Horsepower.	Number.	Horsepower.	Number.	Horsepower.	Number.	Horsepower.	Number.	Horsepower.			
New York	1900	78,658	19,656	1,181,369	13,980	677,219	1,971	16,810	5,889	368,456	2,324	29,860	390	6,080	48,148	34,796	9,805
	1890	65,840	13,395	776,820	10,372	513,560	(1)	1,990	6,439	231,959	(1)	2,447	(1)	1,141		25,723	
	1880	42,739	11,776	454,143	6,672	234,795			9,752	219,348							
	1870	36,206	(2)	334,363	(2)	126,107			(2)	208,256							
North Carolina	1900	7,226	4,934	203,297	3,520	141,798	74	528	2,624	57,027	70	1,839	23	583	894	628	169
	1890	3,667	2,078	73,345	1,298	41,171	(1)	42	1,903	31,812	(1)	44	(1)	189		87	
	1880	3,802	2,323	45,088	616	15,025			2,370	30,063							
	1870	3,642	(2)	33,152	(2)	6,941			(2)	26,211							
North Dakota	1900	1,130	304	8,392	150	6,680	139	903	20	581	6	44	4	30	127	27	12
	1890	382	98	3,589	87	2,985	(1)	12	16	540	(1)	2	(1)	23		27	
	[3] 1880																
	[3] 1870																
Ohio	1900	32,398	9,716	850,600	10,911	758,743	1,224	14,593	867	24,219	1,722	33,419	106	2,977	8,783	7,866	5,394
	1890	28,673	7,216	418,783	7,703	382,301	(1)	1,183	1,134	27,342	(1)	1,705	(1)	372		5,880	
	1880	20,699	6,684	261,143	6,215	222,502			2,080	38,641							
	1870	22,778	(2)	174,323	(2)	129,577			(2)	44,746							
Oklahoma	1900	870	229	9,335	206	9,020	35	207	2	21	3	12	1	10		65	
	1890	72	11	161	11	161											
	[2] 1880																
	[2] 1870																
Oregon	1900	3,088	1,080	63,767	931	38,956	37	215	339	21,588	27	447			2,243	318	122
	1890	1,523	664	32,545	590	22,430	(1)	2	276	9,280	(1)	37	(1)	306		490	
	1880	1,080	443	13,589	176	4,334			373	9,255							
	1870	969	(2)	8,277	(2)	2,471			(2)	5,806							
Pennsylvania	1900	52,185	17,336	1,859,265	20,955	1,611,815	1,687	27,449	4,067	86,223	4,548	85,434	343	9,985	22,454	15,905	6,133
	1890	39,339	12,091	986,789	13,751	894,007	(1)	919	4,671	82,462	(1)	2,162	(1)	312		6,927	
	1880	31,232	10,381	512,408	7,913	402,132			7,075	110,276							
	1870	37,200	(2)	363,918	(2)	221,936			(2)	141,982							
Rhode Island	1900	4,189	1,390	156,550	1,175	115,876	43	427	364	29,035	152	1,926	67	2,595	2,967	3,722	474
	1890	3,377	926	112,949	852	83,477	(1)	18	344	27,197	(1)	295	(1)	51		1,911	
	1880	2,205	608	63,575	476	41,335			386	22,240							
	1870	1,850	(2)	42,027	(2)	23,546			(2)	18,481							
South Carolina	1900	3,762	2,418	146,225	2,198	100,971	31	368	666	35,019	124	5,876	5	370	213	3,408	3
	1890	2,382	1,149	45,681	864	29,043	(1)	97	611	16,399	(1)	8	(1)	60		74	
	1880	2,078	1,259	25,868	509	11,995			1,057	13,873							
	1870	1,584	(2)	14,932	(2)	4,537			(2)	10,395							
South Dakota	1900	1,639	510	12,611	316	9,443	171	1,349	50	1,466	7	134	18	99	108	12	
	1890	499	183	5,555	147	4,456	(1)	32	48	1,052	(1)	3	(1)	12			
	[3] 1880																
	[3] 1870																
Tennessee	1900	8,016	4,542	169,350	3,594	141,045	74	656	1,559	24,838	46	823	7	38	1,401	549	231
	1890	4,559	2,248	84,379	1,577	68,537	(1)	54	1,152	15,451	(1)	106	(1)	14		217	
	1880	4,326	2,108	51,952	967	33,388			1,382	18,564							
	1870	5,317	(2)	37,981	(2)	18,467			(2)	19,514							
Texas	1900	12,289	5,265	240,133	5,393	231,345	213	1,165	111	3,782	61	916	28	253	2,400	272	520
	1890	5,268	1,988	68,530	2,066	65,391	(1)	157	121	2,638	(1)	166	(1)	59		124	
	1880	2,996	1,334	30,534	1,107	28,026			174	2,508							
	1870	2,399	(2)	13,044	(2)	11,214			(2)	1,830							
Utah	1900	1,400	423	15,010	292	8,039	7	89	142	4,028	34	1,241	1	10	1,588	15	10
	1890	531	178	5,128	106	2,530	(1)	10	101	2,492	(1)	64				32	
	1880	640	243	4,689	55	1,154			214	3,535							
	1870	533	(2)	2,500	(2)	331			(2)	2,169							
Vermont	1900	4,071	1,972	138,095	1,046	45,142	79	1,186	1,709	87,615	24	729	40	265	1,474	1,684	884
	1890	3,031	1,552	98,554	600	23,539	(1)	10	1,810	74,041	(1)	34	(1)	86		844	
	1880	2,874	1,582	63,314	272	11,088			2,138	52,226							
	1870	3,270	(2)	51,322	(2)	6,425			(2)	44,897							
Virginia	1900	8,248	4,233	171,469	2,878	117,267	86	798	2,141	45,583	115	4,815	22	1,215	822	969	272
	1890	5,915	2,502	82,448	1,341	45,406	(1)	78	1,915	36,654	(1)	105	(1)	12		193	
	1880	5,710	2,768	57,174	899	19,710			2,399	37,464							
	1870	5,933	(2)	49,612	(2)	8,410			(2)	41,202							
Washington	1900	3,631	1,219	88,802	1,450	78,066	31	189	165	7,148	36	575	8	72	2,570	182	13
	1890	1,543	578	42,642	644	37,659	(1)	3	111	4,851	(1)	63	(1)	50		16	
	1880	261	70	4,395	61	3,210			46	1,185							
	1870	269	(2)	2,823	(2)	1,411			(2)	1,412							
West Virginia	1900	4,418	2,301	108,566	2,232	95,595	93	1,081	542	10,278	20	427	35	905	27	258	140
	1890	2,376	1,199	55,457	1,043	44,680	(1)	33	565	10,542	(1)	5	(1)	122		75	
	1880	2,375	1,190	37,910	816	28,456			670	9,454							
	1870	2,444	(2)	27,331	(2)	17,136			(2)	10,195							
Wisconsin	1900	16,187	5,199	393,268	5,049	274,355	557	4,922	1,589	99,007	552	10,723	37	423	2,426	1,412	797
	1890	10,417	2,618	178,668	2,406	120,697	(1)	274	1,528	56,744	(1)	295	(1)	109		549	
	1880	7,674	2,154	106,085	1,366	60,729			2,022	45,356							
	1870	7,013	(2)	64,223	(2)	30,509			(2)	33,714							
Wyoming	1900	334	97	4,335	85	3,486	14	42	19	667	8	80	2	53	7		
	1890	190	41	1,829	52	1,608			9	216	(1)	5					
	1880	57	10	755	18	717			2	38							
	1870	32	(2)	344	(2)	310			(2)	34							

[1] Not reported separately. [2] Not reported. [3] See Dakota.

TABLE 8.—COMPARATIVE SUMMARY FOR THE PRINCIPAL CITIES SHOWN SEPARATELY FOR 1880, 1890, AND 1900.

[Includes 100 cities for 1880, 164 cities for 1890, and 209 cities for 1900. Items omitted for 1880 were not reported separately at that census.]

CITIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Akron, Ohio	1900	431	$24,199,310	1,130	$1,019,025	9,030	$3,971,307	7,299	1,666	65	$1,779,804	$13,474,282	$23,610,099
	1890	350	14,237,429	587	513,009	5,803	2,693,305	5,067	705	31	977,471	6,928,481	12,550,638
Albany, N. Y	1900	1,566	21,328,764	918	1,016,805	12,389	6,111,059	9,734	2,541	114	2,383,917	11,121,501	24,992,021
	1890	1,305	17,270,705	2,030	1,789,079	13,011	6,191,299	10,261	2,616	134	1,909,304	11,773,241	25,531,486
	1880	804	14,684,130	.....	.....	11,785	4,566,424	9,829	1,528	428	.....	12,509,362	21,751,009
Allegheny, Pa	1900	893	50,122,503	2,027	2,098,121	20,804	10,352,502	17,820	2,467	517	5,120,269	29,478,781	54,136,967
	1890	675	22,253,243	1,206	1,165,004	11,857	5,916,525	10,181	1,308	368	1,728,571	14,231,758	26,878,979
	1880	424	8,451,059	.....	.....	6,471	2,652,774	5,549	614	308	.....	8,818,153	13,731,792
Allentown, Pa	1900	491	11,996,971	390	325,762	8,447	3,150,970	5,251	2,574	622	1,310,643	9,846,047	16,947,722
	1890	382	6,977,091	540	402,626	5,293	1,910,882	3,848	1,073	372	532,875	5,102,911	8,876,565
Altoona, Pa	1900	230	8,108,819	380	266,527	8,090	4,619,828	7,458	432	200	350,501	8,376,488	14,250,656
	1890	208	7,955,423	345	243,798	6,216	3,440,298	5,970	174	72	241,121	6,133,222	10,497,019
Amsterdam, N. Y	1900	213	10,119,879	197	223,221	6,769	2,680,359	3,904	2,694	171	584,019	6,424,315	11,502,316
Anderson, Ind	1900	311	5,709,965	269	260,394	4,583	2,363,994	3,886	367	330	418,526	6,204,219	10,941,354
Atlanta, Ga	1900	390	16,045,156	780	851,801	9,356	3,103,989	6,442	2,129	785	1,352,444	8,563,524	16,707,027
	1890	410	9,508,962	727	603,670	7,957	3,206,285	6,541	937	479	987,623	5,914,571	13,074,037
	1880	196	2,468,456	.....	.....	3,680	889,282	2,753	533	394	.....	3,159,267	4,861,727
Auburn, N. Y	1900	316	12,810,363	343	333,495	6,530	2,706,948	4,669	1,709	152	644,549	5,630,925	10,591,109
	1890	268	11,123,238	445	407,691	5,721	2,220,674	4,211	1,389	121	1,339,705	3,783,971	9,634,785
	1880	154	4,[illegible],950	.....	.....	4,518	1,658,826	3,579	752	187	.....	4,052,746	7,719,409
Augusta, Ga	1900	383	8,990,989	262	277,556	7,092	1,806,654	4,341	2,081	670	617,178	6,234,176	10,041,900
	1890	440	7,770,688	580	373,248	5,714	1,689,941	3,545	1,586	583	526,539	5,430,871	9,244,850
	1880	60	2,069,275	.....	.....	1,680	448,825	867	511	302	.....	2,247,665	3,139,029
Aurora, Ill	1900	229	6,304,454	338	311,158	4,647	1,952,025	3,508	982	157	495,077	3,490,279	7,370,029
Austin, Tex	1900	279	825,293	60	47,590	967	471,818	854	91	22	152,199	896,750	1,921,853
Baltimore, Md	1900	6,359	117,062,459	6,267	6,190,269	78,738	29,220,460	50,954	23,710	4,074	14,512,809	87,175,134	161,249,240
	1890	5,265	92,723,677	7,256	6,019,354	76,489	29,895,500	53,625	21,030	1,833	8,771,869	73,770,001	141,723,599
	[1]1880	3,680	38,581,873	.....	.....	56,316	15,113,489	34,080	18,126	4,110	.....	47,966,447	78,397,064
Bangor, Me	1900	315	2,743,648	176	142,561	2,669	1,291,941	2,239	427	3	260,703	2,740,287	5,172,733
Bay City, Mich	1900	376	5,645,525	233	201,312	3,307	1,466,328	3,021	279	7	385,641	3,820,599	7,087,624
	1890	331	9,654,415	493	429,393	4,203	1,576,659	3,815	324	64	518,771	5,043,587	9,069,342
	1880	80	4,235,500	.....	.....	2,238	802,488	2,066	21	151	.....	3,851,553	5,533,621
Bayonne, N. J	1900	225	26,583,058	251	414,099	5,083	2,856,776	4,890	117	76	805,433	34,094,479	39,352,248
Binghamton, N. Y	1900	594	9,295,859	517	490,442	6,106	2,461,084	3,970	2,113	23	1,040,419	6,339,365	12,638,547
	1890	704	9,058,651	1,013	841,978	9,178	3,507,184	6,454	2,521	203	907,357	7,659,007	15,040,152
Birmingham, Ala	1900	283	7,434,654	359	405,424	6,675	2,587,221	5,980	484	211	533,368	6,045,552	12,581,066
	1890	283	4,553,478	367	340,384	3,247	1,663,312	2,993	196	58	545,290	3,508,588	7,034,248
Bloomington, Ill	1900	185	2,465,300	207	147,282	2,030	974,736	1,761	242	27	202,807	2,008,907	3,845,768
	1890	188	2,874,141	323	253,050	2,201	1,007,995	1,974	168	59	223,532	2,025,949	4,081,001
Boston, Mass	1900	7,247	143,311,376	8,840	9,114,118	72,142	39,184,191	52,831	18,584	727	23,652,792	99,557,019	206,081,767
	1890	7,942	113,198,539	12,329	11,217,485	78,476	43,908,437	57,253	20,892	331	21,543,956	105,602,569	210,936,616
	[1]1880	3,664	47,298,384	.....	.....	59,090	24,886,499	39,790	18,070	1,230	.....	81,608,520	130,366,993
Bridgeport, Conn	1900	832	33,066,890	1,163	1,498,768	19,301	9,123,790	13,609	5,446	246	2,564,392	19,133,236	37,883,721
	1890	559	19,786,572	1,015	1,185,810	12,116	6,381,103	9,121	2,804	191	1,442,378	10,428,987	22,274,635
	[1]1880	169	9,736,785	.....	.....	7,473	3,325,935	5,461	1,787	225	.....	4,805,339	10,418,212
Brockton, Mass	1900	428	10,193,688	631	654,785	10,986	6,166,462	8,161	2,754	71	1,189,168	15,980,653	26,384,881
	1890	537	7,772,452	875	858,841	10,317	5,746,324	7,854	2,377	86	1,136,445	11,211,411	21,070,099
Buffalo, N. Y	1900	3,902	103,939,655	4,184	3,680,491	43,422	19,915,817	36,252	6,606	564	9,559,245	73,359,466	122,230,061
	1890	3,565	70,707,145	5,522	4,928,064	45,911	20,567,769	37,468	7,415	1,028	7,489,363	54,120,611	100,052,208
	1880	1,183	26,847,937	.....	.....	18,021	7,442,109	15,033	1,795	1,193	.....	27,552,086	42,937,701
Burlington, Iowa	1900	340	5,235,624	303	203,540	2,598	1,013,998	2,199	312	87	414,819	2,809,536	5,334,196
	1890	223	3,963,986	329	266,764	2,935	1,157,414	2,556	264	115	259,615	3,099,200	5,413,138
Butte, Mont	1900	212	5,683,033	114	121,734	1,379	1,355,286	1,241	115	23	265,989	3,966,492	8,958,782
Cambridge, Mass	1900	782	26,662,751	1,095	1,160,805	12,986	6,785,070	9,894	3,028	64	2,229,106	23,986,638	39,164,013
	1890	1,232	20,331,585	1,677	1,261,850	12,581	6,497,963	9,806	2,741	34	2,370,252	20,268,534	35,975,089
	1880	379	6,480,799	.....	.....	7,543	3,416,470	6,205	1,172	166	.....	20,101,349	26,605,688
Camden, N. J	1900	817	16,430,611	736	715,598	8,941	3,824,434	6,546	2,115	280	1,487,751	11,499,151	20,451,874
	1890	658	15,244,506	918	798,398	9,444	4,759,182	7,165	2,107	172	709,452	11,816,151	21,145,637
	[1]1880	320	5,028,835	.....	.....	4,312	1,615,506	3,285	785	242	.....	4,337,285	7,618,705
Canton, Ohio	1900	502	10,094,813	562	523,561	6,455	2,970,245	5,530	903	22	1,081,809	5,604,399	12,258,427
	1890	420	11,387,406	693	572,112	6,360	3,208,641	5,519	822	19	952,010	4,948,508	11,881,810
Cedar Rapids, Iowa	1900	241	6,256,801	336	286,448	3,105	1,313,821	2,543	442	120	518,455	8,969,992	12,715,897

[1] The difference between the totals stated in the table for 1880 and those published in the reports of the Tenth Census is caused by the elimination of data which was duplicated in the Tenth Census under the head of "Mixed Textiles," such data having been also included in the totals for that census for the different branches of the textile industry.

TABLE 8.—COMPARATIVE SUMMARY FOR THE PRINCIPAL CITIES SHOWN SEPARATELY FOR 1880, 1890, AND 1900—Continued.

CITIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Charleston, S. C	1900	364	$12,473,187	268	$291,148	5,027	$1,489,966	4,017	790	220	$796,573	$5,633,578	$9,562,387
	1890	566	7,345,459	820	546,289	4,684	1,779,789	3,657	932	95	464,172	4,753,396	9,005,421
	1880	194	1,718,300	.....	.....	2,146	639,030	1,788	150	208	.....	1,468,375	2,732,590
Chattanooga, Tenn	1900	332	8,103,870	486	442,348	5,472	1,889,795	4,899	432	141	778,998	7,322,503	12,033,780
	1890	294	7,405,646	541	500,364	5,200	2,246,528	4,754	263	183	909,518	4,937,902	10,216,109
Chelsea, Mass	1900	308	8,211,682	342	346,985	3,332	1,625,875	2,421	902	9	678,248	5,764,409	10,333,549
	1890	347	7,028,356	493	499,057	2,977	1,384,945	2,082	879	16	547,110	4,681,291	8,158,207
	1880	155	1,822,250	.....	.....	1,647	677,737	1,122	500	25	.....	2,691,911	3,846,250
Chester, Pa	1900	315	18,977,710	324	494,821	7,682	3,462,196	5,935	1,451	296	1,222,400	9,261,886	16,421,725
	1890	201	9,397,033	291	296,708	6,559	2,807,341	4,264	1,749	546	608,831	6,844,825	11,864,899
Chicago, Ill	1900	19,203	534,000,689	35,003	34,874,733	262,621	131,065,337	210,687	44,961	6,973	80,414,823	538,401,562	888,945,311
	1890	9,977	359,739,598	19,745	19,885,079	190,621	104,069,922	164,309	23,760	2,552	43,235,427	409,493,027	664,567,923
	[1]1880	3,518	68,831,885	.....	.....	79,391	34,646,812	62,421	12,173	4,797	.....	179,194,925	248,995,848
Cincinnati, Ohio	1900	5,127	109,582,142	6,657	6,776,141	63,240	27,189,069	46,882	15,314	1,044	22,873,620	77,539,292	157,806,834
	1890	7,832	104,483,032	12,522	10,962,821	84,167	36,728,511	63,563	18,956	1,648	19,937,152	92,545,231	196,063,983
	[1]1880	3,275	50,531,900	.....	.....	54,513	19,553,029	38,993	10,481	5,039	.....	62,374,570	105,255,165
Cleveland, Ohio	1900	2,927	98,303,682	5,410	5,732,145	58,810	27,892,689	49,240	9,074	496	11,565,697	71,597,595	139,849,806
	1890	2,307	69,732,761	4,759	4,847,565	45,915	23,507,940	40,005	4,758	1,152	4,902,256	65,645,649	113,240,115
	1880	1,055	19,430,989	.....	.....	21,724	8,502,935	18,018	2,286	1,420	.....	31,629,737	48,604,050
Clinton, Iowa	1900	224	4,537,200	202	232,612	3,080	1,137,019	2,738	245	97	370,141	4,247,057	6,939,473
Cohoes, N. Y	1900	316	11,316,482	215	257,138	8,673	3,140,668	4,246	4,049	378	653,130	6,120,342	11,636,130
	1890	212	11,275,137	298	274,027	8,641	2,881,923	3,963	3,986	692	741,435	5,739,987	10,836,260
Columbia, S. C	1900	92	5,277,306	87	108,021	3,250	759,200	2,140	569	541	330,626	2,474,628	4,243,030
Columbus, Ohio	1900	914	25,392,136	1,759	1,644,304	17,066	7,718,824	14,528	2,269	269	4,014,022	20,194,532	39,666,848
	1890	708	16,178,703	1,368	1,207,892	12,058	5,658,096	10,231	1,632	190	1,715,056	11,183,710	22,887,586
	1880	316	5,379,401	.....	.....	5,490	1,961,394	4,935	289	266	.....	5,534,496	9,646,679
Council Bluffs, Iowa	1900	198	1,176,408	126	110,013	1,179	609,905	1,034	121	24	160,871	1,224,814	2,596,830
	1890	128	1,292,283	145	120,959	1,469	701,723	1,313	117	39	92,886	1,272,946	2,527,388
Covington, Ky	1900	404	4,754,786	218	215,860	3,972	1,555,089	3,066	760	146	835,445	3,107,926	6,803,032
	1890	1,308	6,897,380	1,491	1,275,756	6,111	2,956,263	5,344	762	5	1,026,579	8,228,079	15,999,575
	1880	181	3,182,141	.....	.....	2,925	1,033,463	2,251	223	451	.....	3,935,727	5,864,530
Dallas, Tex	1900	373	6,897,015	540	547,271	3,756	1,852,485	2,947	618	191	665,954	6,270,870	11,480,499
	1890	312	5,250,118	528	505,270	3,554	2,015,369	2,891	472	191	595,257	4,354,769	9,054,766
Davenport, Iowa	1900	416	10,774,707	458	455,082	4,348	1,892,737	3,330	859	159	855,397	6,854,677	11,573,670
	1890	475	8,732,122	675	573,507	4,461	1,640,495	3,295	963	203	780,201	6,098,349	10,357,232
	1880	188	2,806,222	.....	.....	1,705	685,469	1,473	82	150	.....	2,960,668	4,468,978
Dayton, Ohio	1900	1,096	28,027,518	1,455	1,570,994	16,869	7,959,792	13,576	3,143	150	3,295,885	16,800,911	35,697,695
	1890	937	13,469,964	1,433	1,163,336	10,614	4,737,383	8,567	1,886	161	1,459,655	11,686,149	22,446,572
	1880	495	6,063,334	.....	.....	6,025	2,293,630	5,071	513	441	.....	6,434,225	11,935,483
Decatur, Ill	1900	239	3,632,263	268	220,109	2,313	994,659	1,956	340	17	219,713	3,690,802	5,896,492
Denver, Colo	1900	1,474	30,883,046	1,139	1,243,703	10,926	6,824,003	9,561	1,275	90	2,409,785	24,572,199	41,368,698
	1890	762	16,811,868	1,330	1,723,935	9,283	6,653,585	8,138	998	147	1,340,868	14,216,549	29,240,747
	1880	259	2,301,850	.....	.....	2,944	1,574,438	2,550	264	130	.....	5,715,215	9,367,749
Des Moines, Iowa	1900	494	7,911,764	730	596,750	4,557	1,942,509	3,640	817	100	894,691	4,975,568	10,488,189
	1890	330	3,877,140	515	437,252	3,420	1,631,107	2,876	487	57	442,162	4,408,377	7,931,272
	1880	155	1,463,250	.....	.....	1,378	667,699	1,211	71	96	.....	2,810,396	4,220,709
Detroit, Mich	1900	2,847	71,751,193	5,448	5,042,299	45,707	18,718,081	33,943	10,469	1,295	10,844,958	52,349,347	100,892,838
	1890	1,746	45,041,167	3,643	3,410,138	34,535	15,490,171	28,722	5,130	683	5,947,307	41,360,058	77,351,546
	1880	919	15,594,479	.....	.....	16,110	6,306,460	12,477	2,430	1,203	.....	18,150,995	30,181,416
Dubuque, Iowa	1900	460	8,117,358	579	455,306	5,503	2,012,153	4,242	1,150	111	1,028,245	5,930,017	10,952,204
	1890	262	7,016,802	459	418,004	4,198	1,715,876	3,688	441	69	564,377	5,984,431	9,894,860
	1880	346	3,446,866	.....	.....	3,003	1,339,730	2,619	292	92	.....	3,887,846	6,328,889
Duluth, Minn	1900	433	8,872,940	245	245,448	3,998	2,145,444	3,682	275	41	572,266	5,861,499	10,628,957
	1890	278	5,332,447	437	348,116	3,315	1,750,577	3,165	134	16	412,496	5,435,654	8,811,723
Easton, Pa	1900	285	4,829,879	180	130,082	3,912	1,516,525	2,684	945	283	485,029	3,794,496	6 746,078
East Orange, N. J	1900	167	2,311,585	161	197,660	1,354	724,495	1,166	187	1	350,162	1,583,435	3,463,141
East St. Louis, Ill	1900	183	10,466,412	274	290,088	5,642	2,624,749	5,293	111	238	609,809	28,300,150	33,559,611
Elgin, Ill	1900	209	8,603,283	158	191,584	4,764	2,249,009	2,860	1,787	117	450,773	2,953,582	7,161,637
Elizabeth, N. J	1900	419	15,665,545	564	731,152	10,497	6,024,497	9,580	856	61	1,351,411	9,882,821	20,546,468
	1890	190	7,785,553	293	376,624	6,268	3,351,348	5,576	515	177	371,214	4,511,626	10,489,364
	1880	149	2,458,180	.....	.....	3,849	1,740,456	3,151	216	482	.....	2,915,851	6,828,027
Elmira, N. Y	1900	362	7,365,534	315	276,897	4,914	1,965,056	3,504	1,243	167	486,960	4,961,635	8,558,786
	1890	539	6,895,180	839	630,041	4,332	1,874,565	3,564	689	79	538,070	4,593,241	8,844,936
	[1]1880	262	2,653,762	.....	.....	2,673	1,020,196	2,249	306	118	.....	3,114,412	4,857,788

[1] The difference between the totals stated in the table for 1880 and those published in the reports of the Tenth Census is caused by the elimination of data which was duplicated in the Tenth Census under the head of "Mixed Textiles," such data having been also included in the totals for that census for the different branches of the textile industry.

TABLE 8.—COMPARATIVE SUMMARY FOR THE PRINCIPAL CITIES SHOWN SEPARATELY FOR 1880, 1890, AND 1900—Continued.

CITIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Erie, Pa	1900	644	$20,418,016	679	$702,343	9,339	$4,574,625	8,389	699	251	$1,197,411	$9,107,305	$19,053,202
	1890	236	12,812,594	566	580,072	6,463	3,248,366	6,016	192	255	718,157	6,145,680	12,765,768
	1880	167	4,730,503	.....	.....	3,767	1,518,085	3,284	207	276	.....	4,879,319	7,683,356
Evansville, Ind	1900	705	10,059,375	601	621,332	7,279	2,883,975	5,489	1,652	138	988,542	7,504,660	14,193,320
	1890	482	9,166,859	620	533,131	6,815	2,664,797	5,223	1,216	376	804,871	6,875,575	12,809,334
	1880	312	4,673,815	.....	.....	3,609	1,356,006	2,915	307	387	.....	4,892,690	7,941,914
Everett, Mass	1900	168	6,107,735	138	153,963	2,141	1,068,987	1,987	151	3	702,785	2,725,197	5,038,120
Fall River, Mass	1900	785	58,549,934	615	918,442	32,780	11,739,129	17,686	13,374	1,720	3,249,083	19,789,859	43,071,530
	1890	397	37,199,470	555	562,677	22,987	8,213,045	12,201	9,560	1,226	2,063,945	17,685,671	32,519,281
	1880	258	25,076,518	.....	.....	17,085	4,659,077	8,232	6,723	2,130	.....	10,552,192	18,913,584
Fitchburg, Mass	1900	308	13,033,898	322	376,675	6,796	3,113,078	4,794	1,757	245	749,165	8,062,713	14,253,522
	1890	323	7,563,522	418	382,733	5,079	2,396,811	3,608	1,267	204	746,602	6,414,105	11,225,036
Fort Wayne, Ind	1900	397	9,203,613	653	631,513	7,255	2,928,969	5,260	1,827	168	730,122	6,597,414	12,525,222
	1890	235	6,999,600	367	294,762	5,644	2,381,554	5,063	537	44	307,999	5,048,585	9,301,946
	1880	114	2,852,101	.....	.....	2,735	1,020,793	2,426	164	145	.....	4,007,955	5,816,924
Fort Worth, Tex	1900	209	2,668,045	131	145,904	1,449	845,477	1,349	82	18	392,377	3,348,550	5,332,804
	1890	316	3,194,032	375	329,075	2,368	1,618,078	2,156	181	31	286,452	3,435,446	6,826,083
Galveston, Tex	1900	295	6,073,845	153	183,996	2,058	981,827	1,593	333	132	477,229	2,618,996	5,016,360
	1890	190	5,122,612	253	279,206	1,679	962,093	1,345	258	76	405,270	3,253,088	5,724,545
	1880	170	871,350	.....	.....	684	499,785	633	15	36	.....	1,283,246	2,375,965
Gloucester, Mass	1900	392	4,687,559	235	199,436	3,379	1,428,896	2,750	629	.....	349,839	4,862,660	7,343,783
	1890	206	2,763,284	156	112,965	1,563	751,581	1,159	402	2	156,668	3,220,601	4,851,405
Grand Rapids, Mich	1900	824	23,433,760	1,197	1,166,472	14,361	5,904,670	12,625	1,613	123	1,950,456	12,348,978	24,824,042
	1890	369	15,945,947	1,413	1,231,132	11,869	5,279,617	10,546	1,039	284	1,289,458	9,391,615	19,851,181
	1880	355	4,364,298	.....	.....	5,172	1,895,072	4,509	295	368	.....	3,956,663	7,405,007
Hamilton, Ohio	1900	222	12,575,821	325	413,632	5,850	2,626,084	5,027	758	65	803,481	5,535,568	12,003,316
Harrisburg, Pa	1900	446	8,749,516	404	391,086	7,362	2,949,544	5,435	1,812	115	646,950	9,402,516	16,064,597
	1890	475	6,716,074	584	420,650	6,314	2,947,291	5,485	789	40	428,757	5,432,303	10,538,444
	1880	274	4,026,457	.....	.....	3,660	1,236,522	3,243	264	153	.....	4,975,276	7,663,416
Hartford, Conn	1900	888	30,500,047	1,267	1,475,519	13,363	7,603,809	11,597	1,698	68	3,375,585	14,103,167	31,145,715
	1890	513	14,126,282	710	695,090	8,311	4,829,428	7,072	1,198	41	886,428	7,964,936	17,164,318
	1880	268	9,679,126	.....	.....	6,300	2,848,041	4,573	1,373	354	.....	6,467,460	11,437,200
Haverhill, Mass	1900	685	6,801,565	501	380,014	10,600	5,035,882	7,270	3,274	56	1,336,232	15,628,972	24,937,073
	1890	734	8,084,272	1,063	835,056	14,138	6,097,574	10,495	3,628	15	1,777,142	13,635,969	25,394,530
Hoboken, N. J	1900	399	8,331,015	420	510,166	6,443	3,076,235	4,698	1,377	368	878,470	5,724,626	12,092,872
	1890	289	3,948,782	365	364,608	2,982	1,899,628	2,500	434	48	228,743	3,585,921	7,151,391
	1880	120	484,020	.....	.....	714	281,444	610	53	51	.....	586,746	1,046,136
Holyoke, Mass	1900	433	26,760,031	628	843,399	13,454	5,730,998	7,705	5,150	599	1,976,024	13,678,969	26,283,964
	1890	493	24,411,939	834	872,988	12,305	5,324,935	6,840	5,013	452	1,683,226	13,574,788	26,060,315
	1880	122	8,763,903	.....	.....	8,794	2,693,142	4,340	3,749	705	.....	7,439,573	13,286,047
Houston, Tex	1900	509	6,955,350	309	339,990	4,588	2,409,250	4,295	230	63	663,426	5,792,571	10,641,575
	1890	210	3,509,434	298	293,850	2,711	1,353,628	2,506	122	83	313,114	3,638,205	6,832,943
Indianapolis, Ind	1900	1,910	36,828,114	2,636	2,445,785	25,511	10,882,914	21,181	4,065	265	5,389,394	42,055,634	68,607,579
	1890	1,189	15,266,685	2,034	1,794,756	16,027	7,060,056	12,600	2,871	556	2,080,733	21,247,116	36,426,974
	1880	688	10,049,500	.....	.....	10,000	3,917,114	8,671	830	499	.....	19,198,102	27,453,089
Jackson, Mich	1900	291	4,617,656	389	362,462	4,206	1,666,680	2,914	1,270	22	480,757	4,223,891	7,587,526
	1890	220	4,979,444	372	286,509	3,258	1,128,657	2,491	703	64	337,634	2,782,640	5,376,347
Jacksonville, Fla	1900	195	2,068,663	119	106,241	1,602	645,921	1,473	97	32	153,295	1,007,924	2,312,209
Jamestown, N. Y	1900	178	8,552,470	386	474,249	4,685	1,800,192	3,201	1,268	216	583,097	4,096,302	8,218,922
Jersey City, N. J	1900	965	80,327,678	1,676	2,095,778	19,499	9,126,042	14,996	4,139	364	6,528,570	52,254,465	77,225,116
	1890	726	18,165,094	1,457	1,564,388	11,412	6,243,882	9,572	1,521	319	1,893,926	23,206,834	37,376,322
	1880	584	11,899,915	.....	.....	11,138	4,622,655	7,962	2,426	750	.....	49,738,985	60,473,905
Johnstown, Pa	1900	248	16,940,450	394	449,133	6,116	3,213,189	5,918	98	100	1,922,080	14,445,126	22,559,890
	1890	113	13,280,296	276	251,932	5,369	2,879,569	5,227	53	89	789,343	13,137,331	18,422,989
Joliet, Ill	1900	455	15,452,196	407	359,105	6,523	3,957,529	6,271	213	39	1,713,339	17,891,886	27,765,104
	1890	271	9,418,932	317	259,046	2,866	1,723,512	2,708	84	74	551,539	8,884,684	12,732,933
Joplin, Mo	1900	123	1,411,495	52	53,808	951	516,080	875	66	10	110,962	1,854,817	2,961,793
Kalamazoo, Mich	1900	268	5,796,195	513	443,407	4,293	1,617,299	2,990	1,267	36	624,914	4,257,010	8,056,908
Kansas City, Kans	1900	492	18,633,475	2,075	1,918,251	10,544	4,886,259	9,384	812	348	2,643,077	70,386,491	82,768,943
	1890	234	11,629,703	478	440,084	6,855	3,667,289	6,404	347	104	3,243,969	34,286,637	44,079,389
Kansas City, Mo	1900	1,797	26,437,307	1,514	1,449,221	15,381	7,783,652	11,814	3,268	299	3,545,069	18,214,198	36,527,392
	1890	1,478	14,104,620	2,146	2,003,370	12,611	7,445,326	11,054	1,408	149	1,901,313	16,361,184	31,936,366
	1880	224	2,147,305	.....	.....	2,548	1,420,713	2,127	233	188	.....	3,723,916	6,382,681
Kingston, N. Y	1900	344	3,657,551	169	158,913	2,685	1,245,557	2,161	503	21	327,143	2,560,822	5,280,478
	1890	198	3,251,835	192	177,000	2,238	929,678	2,000	203	35	323,553	1,730,637	4,009,574

TABLE 8.—COMPARATIVE SUMMARY FOR THE PRINCIPAL CITIES SHOWN SEPARATELY FOR 1880, 1890, AND 1900—Continued.

CITIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Knoxville, Tenn	1900	218	$5,151,130	268	$257,387	4,714	$1,473,543	3,096	1,336	282	$306,795	$3,877,772	$6,948,595
	1890	205	3,045,661	367	306,935	2,746	1,355,566	2,512	187	47	261,707	2,464,914	5,020,116
La Crosse, Wis	1900	255	7,230,360	300	310,436	3,009	1,105,985	2,231	733	45	864,006	4,965,850	8,281,749
	1890	200	10,039,872	283	270,363	3,844	1,387,362	3,386	382	76	703,625	5,971,572	9,157,501
Lancaster, Pa	1900	738	10,803,464	427	398,934	9,349	3,323,748	5,585	2,954	810	1,193,997	8,342,709	16,370,281
	1890	599	7,691,314	849	490,345	7,330	2,219,917	4,783	2,032	515	691,291	6,306,495	11,361,535
	1880	313	3,792,740	.....	.....	4,252	1,177,249	2,741	1,044	467	.....	2,942,312	5,404,937
Lawrence, Mass	1900	546	49,914,035	681	1,011,243	22,358	8,972,310	12,998	8,542	818	2,210,145	26,175,644	44,703,278
	1890	583	29,626,806	708	631,329	15,568	6,092,054	8,641	6,455	472	1,958,366	15,145,851	26,550,725
	1880	228	16,098,977	.....	.....	14,372	4,754,755	6,652	6,849	871	.....	11,979,848	21,646,357
Leavenworth, Kans	1900	220	3,207,111	232	211,761	1,750	833,576	1,556	140	54	252,029	2,822,127	4,721,373
Lewiston, Me	1900	282	10,984,871	181	202,483	7,159	2,509,030	3,837	3,164	158	596,854	4,103,801	8,581,354
	1890	214	8,324,231	297	267,282	7,076	2,418,907	3,618	3,276	182	635,894	4,828,710	9,073,856
Lexington, Ky	1900	272	1,707,118	167	117,933	1,464	556,613	1,236	200	28	263,536	1,492,152	3,033,007
	1890	183	1,619,880	266	266,666	1,279	550,026	1,016	244	19	124,915	1,256,739	2,708,445
Lima, Ohio	1900	195	5,487,584	208	166,716	2,223	1,050,780	1,838	384	1	277,408	4,156,028	6,705,136
Lincoln, Nebr	1900	250	2,608,992	244	207,544	1,736	789,356	1,485	233	18	266,160	2,173,345	4,105,951
	1890	182	2,360,454	281	263,743	1,640	898,003	1,460	101	79	269,742	1,534,623	3,710,138
Little Rock, Ark	1900	171	3,434,393	292	249,943	2,751	1,384,722	2,512	191	48	295,156	1,990,081	4,723,118
	1890	124	2,265,824	201	195,505	1,333	635,352	1,236	72	25	254,227	1,396,773	3,120,677
Los Angeles, Cal	1900	1,415	11,742,838	939	840,855	8,044	3,992,733	6,389	1,465	190	1,513,393	10,572,660	21,297,537
	1890	750	6,811,488	1,085	1,121,514	3,872	2,347,094	3,141	682	49	680,897	5,014,034	9,893,835
Louisville, Ky	1900	2,307	49,334,701	2,893	2,929,141	29,926	10,945,720	23,348	5,175	1,403	13,145,595	41,016,391	78,746,390
	1890	1,700	36,086,985	3,039	2,528,403	24,159	9,844,468	18,137	4,885	1,137	6,250,280	28,033,840	54,515,226
	1880	1,105	21,357,013	.....	.....	17,103	5,734,683	13,401	2,675	1,027	.....	20,760,540	34,768,874
Lowell, Mass	1900	981	46,578,193	820	992,781	31,377	11,821,633	17,082	12,986	1,309	4,639,877	21,727,844	44,774,525
	1890	853	41,911,708	1,377	1,198,984	27,778	10,044,408	14,084	13,082	612	4,150,844	22,996,138	42,450,509
	1880	283	20,465,192	.....	.....	20,039	5,996,591	9,218	9,503	1,318	.....	16,815,062	33,935,777
Lynn, Mass	1900	776	17,011,761	1,231	980,868	17,492	8,576,042	12,352	5,035	105	2,270,595	25,456,798	41,633,845
	1890	1,369	17,919,025	2,134	1,744,008	20,318	11,033,166	14,591	5,642	85	2,045,581	23,039,987	44,223,845
	1880	343	5,894,575	.....	.....	12,420	5,833,849	8,894	3,489	37	.....	17,433,455	26,828,023
McKeesport, Pa	1900	180	17,876,016	523	497,822	7,605	4,370,381	7,331	96	178	428,226	22,309,161	37,074,136
	1890	118	10,979,812	214	246,981	6,078	3,189,558	5,832	95	151	737,562	10,617,338	17,432,721
Macon, Ga	1900	182	5,076,005	263	272,138	3,700	1,047,437	2,762	669	269	445,078	3,741,167	6,495,767
	1890	203	3,988,900	260	185,921	3,157	1,057,041	2,451	471	235	219,988	2,664,498	5,171,530
Malden, Mass	1900	242	5,906,279	129	133,575	3,082	1,520,658	1,907	1,132	43	790,518	4,607,400	7,959,292
	1890	295	7,600,124	351	268,757	4,418	2,115,420	2,708	1,655	55	498,174	5,901,817	9,592,501
Manchester, N. H	1900	577	22,426,125	344	456,258	19,032	7,030,966	10,302	8,236	494	1,548,205	14,755,640	26,607,600
	1890	386	22,424,968	468	444,359	14,883	5,505,875	7,267	7,367	249	1,072,875	11,872,289	20,187,295
	1880	121	15,149,153	.....	.....	10,838	3,370,404	4,632	5,748	458	.....	7,901,066	14,136,305
Memphis, Tenn	1900	659	11,189,249	513	625,135	8,433	3,641,435	7,660	586	187	1,078,649	9,656,969	17,923,059
	1890	345	9,357,821	621	616,411	5,497	2,542,264	5,069	337	91	813,951	7,090,190	13,244,538
	1880	138	2,313,975	.....	.....	2,268	845,672	2,130	69	69	.....	2,419,341	4,413,422
Meriden, Conn	1900	260	16,699,004	435	690,756	7,531	3,702,240	6,021	1,435	75	1,085,142	5,861,612	13,485,640
	1890	238	13,712,146	369	438,618	7,301	3,763,984	5,913	1,373	15	1,460,571	4,900,594	11,902,172
Milwaukee, Wis	1900	3,342	110,363,854	4,852	4,481,829	48,328	20,240,656	37,856	7,501	2,991	16,690,165	65,118,719	123,786,449
	1890	2,879	69,145,814	4,573	3,909,456	38,850	16,737,261	30,593	7,478	779	8,285,410	55,815,485	97,503,951
	1880	844	18,766,914	.....	.....	20,886	6,946,105	16,015	3,922	949	.....	28,975,872	48,473,812
Minneapolis, Minn	1900	2,368	57,708,204	2,606	2,428,396	26,608	12,708,523	22,328	4,090	190	5,237,162	78,175,736	110,943,043
	1890	2,723	42,643,764	4,089	3,579,622	23,703	11,674,553	21,012	2,463	228	3,682,928	54,592,210	82,922,974
	1880	401	9,002,650	.....	.....	5,344	2,582,253	4,702	457	185	.....	24,274,623	29,973,476
Mobile, Ala	1900	222	3,294,238	203	173,810	2,827	1,139,605	2,686	83	58	272,987	2,046,400	4,451,062
	1890	261	2,236,318	294	219,083	2,719	950,270	2,472	172	75	226,987	1,814,463	3,826,399
	1880	91	525,708	.....	.....	704	261,643	622	37	45	.....	830,961	1,335,579
Montgomery, Ala	1900	163	2,930,782	204	163,537	2,359	802,188	1,856	360	143	342,890	2,902,054	5,035,190
	1890	138	1,684,271	177	152,836	1,689	634,423	1,526	116	47	140,829	1,753,166	3,234,962
Muncie, Ind	1900	347	7,793,832	227	319,109	6,294	3,067,748	5,703	448	143	506,279	6,690,155	12,106,648
Muskegon, Mich	1900	200	4,602,390	172	153,976	3,235	1,185,697	2,553	560	122	386,488	2,631,279	5,097,059
	1890	301	9,863,819	881	307,696	3,883	1,608,293	3,685	122	76	478,391	4,795,251	8,278,160
Nashua, N. H	1900	251	9,587,390	207	204,657	6,442	2,633,398	4,221	2,134	87	574,497	6,470,716	11,037,676
Nashville, Tenn	1900	489	13,173,422	1,048	888,467	8,447	2,889,241	6,360	1,706	387	1,440,394	10,472,173	18,469,823
	1890	420	9,904,295	847	676,512	7,275	3,052,444	5,773	1,151	351	681,619	7,994,751	14,590,823
	1880	268	3,892,380	.....	.....	4,791	1,312,765	3,815	538	438	.....	5,312,527	8,597,278
New Albany, Ind	1900	208	2,996,512	110	107,676	2,430	843,680	1,796	596	38	231,771	2,364,138	4,179,490
	1890	298	5,342,071	341	262,490	4,165	1,335,341	3,394	631	140	608,026	3,470,492	6,631,924

TABLE 8.—COMPARATIVE SUMMARY FOR THE PRINCIPAL CITIES SHOWN SEPARATELY FOR 1880, 1890, AND 1900—Continued.

CITIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Newark, N. J.	1900	3,339	$103,191,403	4,509	$5,534,869	49,550	$23,999,442	37,094	11,133	1,323	$10,050,907	$67,105,944	$126,954,049
	1890	2,490	62,552,752	4,129	4,719,636	42,719	22,137,534	33,012	8,966	741	6,112,239	46,020,536	93,476,652
	1880	1,318	25,575,315	.....	.....	29,907	13,115,949	22,143	5,178	2,586	.....	44,534,415	69,051,075
New Bedford, Mass.	1900	618	29,073,410	487	566,457	16,409	6,730,793	9,704	5,759	946	1,703,408	12,727,776	25,681,671
	1890	413	20,132,683	610	606,911	10,812	4,378,105	6,766	3,659	387	980,306	8,581,373	17,025,779
	1880	330	7,681,082	.....	.....	5,812	2,058,751	3,915	1,538	359	.....	5,907,874	9,835,955
New Britain, Conn.	1900	226	14,115,610	466	545,057	8,438	3,841,117	6,542	1,681	215	956,848	5,074,396	12,260,782
New Brunswick, N. J.	1900	193	6,028,086	218	260,992	3,726	1,256,034	2,095	1,442	189	661,944	2,929,882	5,812,757
Newburg, N. Y.	1900	253	5,214,536	310	287,839	3,926	1,665,177	2,622	1,223	81	354,456	3,123,590	6,497,088
	1890	287	5,773,354	420	348,319	4,096	1,741,476	2,674	1,270	152	472,773	3,521,078	6,964,287
Newcastle, Pa.	1900	216	13,308,220	198	243,689	4,992	3,226,669	4,754	174	64	491,336	13,646,648	21,046,842
New Haven, Conn.	1900	1,236	30,463,066	1,600	1,590,241	20,536	10,016,571	15,393	4,884	259	3,181,004	18,493,593	40,762,015
	1890	1,129	19,592,384	1,958	1,910,944	15,906	8,185,876	12,396	3,477	33	2,696,245	14,400,638	33,396,311
	1880	587	9,703,737	.....	.....	15,156	5,761,374	9,998	4,780	378	.....	14,482,163	24,040,225
New Orleans, La.	1900	1,524	46,003,604	1,837	1,819,458	19,435	7,645,167	13,582	5,135	718	4,759,877	43,361,525	63,514,505
	1890	1,961	26,319,277	2,879	2,612,472	22,342	8,275,112	15,309	6,558	475	3,295,077	28,271,445	48,295,449
	1880	915	8,565,303	.....	.....	9,504	3,717,557	7,666	1,286	552	.....	10,771,892	18,808,096
Newport, Ky.	1900	272	2,848,435	132	142,404	2,561	1,155,361	1,885	639	37	866,620	2,017,773	4,888,169
	1890	1,002	3,471,388	1,072	734,512	3,776	1,692,177	2,735	1,015	26	335,404	3,072,313	6,687,987
	1880	94	1,700,715	.....	.....	1,748	711,019	1,608	35	105	.....	2,526,936	3,996,995
Newton, Mass.	1900	297	5,105,196	134	166,646	3,094	1,581,887	2,624	445	25	388,922	3,065,921	6,322,232
	1890	193	4,393,807	234	239,365	2,390	1,168,910	1,686	643	61	243,663	2,175,249	4,335,764
New York, N. Y.	1900	39,776	921,876,081	48,011	55,645,464	462,763	245,021,881	326,299	130,691	5,773	163,170,343	709,109,412	1,371,358,468
	1890	37,163	622,982,074	61,634	67,413,562	415,552	236,250,857	300,652	111,210	3,690	78,455,897	538,596,570	1,084,850,236
	1880	16,923	251,223,975	.....	.....	275,920	120,626,680	186,605	76,748	12,567	.....	423,356,534	659,205,230
Norfolk, Va.	1900	445	6,425,099	333	266,227	4,334	1,571,229	3,206	1,023	105	5,701,597	5,283,975	9,397,355
	1890	374	3,417,454	557	371,805	2,391	1,016,390	1,923	440	28	265,675	2,542,790	5,100,408
	1880	105	570,276	.....	.....	752	317,528	668	61	23	.....	861,026	1,455,987
Norristown, Pa.	1900	210	4,069,449	168	132,100	3,429	1,168,942	1,744	1,458	227	418,854	2,467,861	4,821,745
North Adams, Mass.	1900	231	14,563,492	267	472,824	6,796	2,949,010	4,585	1,890	321	836,345	5,410,262	11,682,663
Oakland, Cal.	1900	752	6,364,651	347	319,263	4,012	2,129,598	2,928	919	165	620,459	4,277,647	9,174,257
	1890	342	6,629,468	520	521,073	3,918	2,568,934	3,182	449	287	438,010	4,687,699	9,112,778
	1880	72	1,371,457	.....	.....	1,387	759,917	1,369	13	5	.....	2,012,695	3,181,066
Omaha, Nebr.	1900	838	34,478,014	1,026	907,155	7,587	3,804,076	6,209	1,238	90	3,864,988	22,211,573	43,168,876
	1890	675	18,319,594	1,191	1,251,752	8,223	4,863,542	7,187	785	251	3,673,516	29,260,102	42,339,321
	1880	154	1,835,800	.....	.....	1,688	726,918	1,466	64	158	.....	2,527,476	4,280,866
Orange, N. J.	1900	284	1,937,457	77	79,758	2,712	1,428,284	2,287	391	34	232,632	2,259,135	4,694,335
Oshkosh, Wis.	1900	285	8,018,038	278	268,479	4,587	1,762,410	3,629	620	338	616,564	4,742,744	8,781,248
	1890	423	6,461,812	466	306,004	4,917	1,713,022	4,064	733	120	526,149	4,668,843	8,620,626
Oswego, N. Y.	1900	207	7,322,907	273	346,689	3,845	1,543,905	2,829	877	139	667,109	4,611,975	8,137,950
	1890	249	6,254,200	448	401,291	2,967	1,102,352	2,175	719	73	684,969	4,604,096	7,482,378
	1880	178	2,511,238	.....	.....	2,007	728,418	1,716	202	89	.....	3,423,382	5,287,966
Passaic, N. J.	1900	185	23,279,421	441	654,094	7,102	2,778,278	4,694	2,192	216	1,199,108	7,971,505	14,031,254
Paterson, N. J.	1900	995	43,510,481	1,242	1,617,999	30,190	12,812,538	19,242	9,502	1,446	5,059,521	26,882,183	52,287,975
	1890	599	27,603,549	1,034	1,138,357	23,198	10,439,725	14,512	7,818	868	2,143,313	22,480,727	42,263,531
	1880	340	11,613,442	.....	.....	18,755	6,679,437	9,868	6,145	2,742	.....	13,992,233	25,339,300
Pawtucket, R. I.	1900	534	22,399,187	552	781,628	12,776	5,230,268	7,464	4,343	969	2,040,261	12,933,104	24,080,328
	1890	371	16,693,984	589	527,050	8,919	3,552,529	5,113	3,292	514	1,051,697	9,415,654	16,303,729
Peoria, Ill.	1900	871	27,971,613	767	768,574	8,022	3,901,186	6,945	1,021	56	25,122,825	14,986,348	48,871,596
	1890	556	15,085,862	890	805,796	6,816	3,538,216	5,577	1,101	138	24,475,327	9,996,379	55,535,023
	1880	296	4,160,707	.....	.....	4,067	1,507,666	3,619	313	135	.....	9,556,476	14,228,134
Petersburg, Va.	1900	225	3,960,987	251	227,544	4,730	1,043,550	2,729	1,615	386	658,689	3,747,656	6,464,464
	1890	271	3,911,240	417	238,863	5,108	1,128,551	2,979	1,691	438	834,420	4,384,462	7,167,004
	1880	115	1,755,415	.....	.....	4,196	602,749	2,209	1,245	742	.....	3,290,116	4,643,015
Philadelphia, Pa.	1900	15,887	476,529,407	19,113	20,154,836	246,445	111,847,076	172,011	61,688	12,746	55,575,685	326,877,441	603,466,526
	1890	18,166	375,249,715	25,617	22,610,848	234,647	113,306,173	169,225	55,626	9,796	39,615,476	311,645,804	577,234,446
	1880	8,481	178,765,206	.....	.....	174,952	61,152,952	109,071	51,459	14,422	.....	190,451,376	309,424,156
Pittsburg, Pa.	1900	1,938	193,162,900	5,064	5,457,443	69,977	36,684,563	62,381	5,873	1,723	15,293,017	116,833,174	203,261,251
	1890	1,420	108,368,838	3,475	4,008,666	52,963	29,889,486	47,426	3,405	2,132	7,561,199	69,892,195	126,859,657
	1880	1,112	52,645,010	.....	.....	36,930	17,168,989	32,011	1,681	3,238	.....	42,109,777	75,915,033
Pittsfield, Mass.	1900	261	6,084,849	229	255,527	3,863	1,627,790	2,380	1,372	111	548,483	3,616,578	7,135,770
Portland, Me.	1900	639	6,991,251	611	519,425	5,699	2,612,817	4,288	1,380	31	759,854	5,566,225	11,440,201
	1890	662	6,887,557	922	746,289	5,338	2,413,893	4,204	1,117	17	585,149	6,286,438	11,371,487
	1880	302	4,243,225	.....	.....	7,129	1,541,997	4,841	1,550	738	.....	6,813,962	9,832,931
Portland, Oreg.	1900	1,064	13,331,500	806	844,847	8,572	4,347,876	7,220	1,211	141	1,186,072	13,312,036	23,451,132
	1890	569	16,863,568	1,078	1,372,583	8,653	6,220,337	8,035	522	96	1,220,577	12,807,106	25,427,603

TABLE 8.—COMPARATIVE SUMMARY FOR THE PRINCIPAL CITIES SHOWN SEPARATELY FOR 1880, 1890, AND 1900—Continued.

CITIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Poughkeepsie, N. Y	1900	377	$5,688,058	197	$240,593	3,432	$1,583,268	2,701	666	65	$411,495	$3,475,100	$6,826,769
	1890	303	4,850,650	444	341,860	3,328	1,495,796	2,509	688	131	311,022	3,200,593	6,254,132
	1880	140	3,728,700	.....	.....	2,482	761,711	1,766	493	223	.....	2,781,289	4,392,900
Providence, R. I	1900	1,933	83,513,679	2,766	3,239,419	44,978	19,998,362	31,198	12,090	1,690	5,815,066	46,357,130	88,168,897
	1890	1,934	61,133,598	3,137	3,107,509	38,987	17,685,890	26,176	10,906	1,905	5,082,048	39,794,241	77,467,283
	1880	1,205	27,177,006	.....	.....	22,891	9,464,110	16,050	5,125	1,716	.....	22,794,227	42,597,512
Pueblo, Colo	1900	241	12,374,248	320	370,428	4,911	3,044,280	4,756	127	28	577,501	22,589,669	30,795,481
	1890	102	1,278,792	134	139,587	937	629,759	837	72	28	92,792	999,966	2,374,631
Quincy, Ill	1900	421	6,879,846	491	400,233	4,509	1,918,452	3,612	771	126	779,653	4,952,797	9,234,988
	1890	394	6,554,810	583	443,426	4,577	1,986,408	3,775	565	237	648,086	5,701,973	10,395,102
	1880	318	4,078,200	.....	.....	3,326	1,271,995	2,866	151	309	.....	5,089,880	8,103,277
Quincy, Mass	1900	389	2,208,197	126	108,392	2,546	1,378,823	2,264	281	1	253,703	1,300,260	3,948,932
Racine, Wis	1900	252	16,753,215	876	861,900	6,785	2,994,100	5,531	1,076	178	1,004,165	6,253,372	12,502,796
	1890	190	11,533,207	412	408,629	4,460	2,009,869	3,827	500	133	662,448	4,340,308	8,462,359
Reading, Pa	1900	843	27,975,628	1,073	924,551	19,165	7,544,950	14,351	3,786	1,028	5,085,456	19,089,332	36,902,511
	1890	435	14,083,374	755	680,823	12,211	4,780,470	9,779	1,729	703	1,042,366	12,009,332	20,855,165
	1880	329	7,488,256	.....	.....	6,635	2,219,290	5,373	715	547	.....	8,354,310	13,168,595
Richmond, Va	1900	763	20,848,620	1,166	1,266,270	16,692	5,181,659	11,565	4,399	728	6,158,301	13,161,697	28,900,616
	1890	966	16,785,242	1,621	1,438,783	16,891	5,753,863	12,338	4,006	547	3,290,170	14,014,214	27,792,672
	1880	598	6,884,386	.....	.....	14,047	3,006,456	9,218	2,872	1,957	.....	12,141,512	20,790,106
Roanoke, Va	1900	120	2,057,754	205	169,317	2,688	1,178,542	2,570	84	34	122,145	3,780,926	5,709,817
Rochester, N.Y	1900	2,616	49,086,212	3,279	3,292,451	33,408	13,882,122	22,560	9,889	959	9,143,154	32,082,063	69,129,820
	1890	1,892	46,301,058	3,758	3,674,609	28,962	13,144,957	21,231	6,798	933	5,613,852	33,320,398	65,091,156
	1880	734	13,141,870	.....	.....	14,556	5,207,713	9,276	4,027	1,253	.....	16,414,515	26,418,266
Rockford, Ill	1900	450	14,126,834	456	422,547	6,620	2,765,709	5,190	1,200	230	821,352	6,928,941	12,586,116
	1890	246	7,715,069	356	308,607	4,867	2,166,096	3,787	1,001	79	549,317	4,248,001	8,888,904
Sacramento, Cal	1900	275	7,369,013	188	216,504	4,365	2,977,764	3,954	380	31	703,922	6,057,837	11,141,896
	1890	302	5,654,782	324	315,085	4,186	2,652,869	3,436	676	74	439,227	6,033,317	10,424,582
	1880	160	1,672,400	.....	.....	924	547,692	868	10	46	.....	2,911,889	4,093,934
Saginaw, Mich	1900	480	7,558,806	394	371,741	4,866	1,936,558	4,288	547	31	594,269	5,816,237	10,034,499
	1890	335	12,406,823	411	381,512	5,305	2,271,623	4,922	244	139	667,399	6,587,763	11,303,006
St. Joseph, Mo	1900	440	11,068,825	562	516,083	7,429	3,109,647	4,994	2,297	138	1,160,912	25,068,215	31,690,736
	1890	276	5,230,697	447	381,460	4,579	1,970,231	3,135	1,367	77	496,472	7,848,353	11,916,141
	1880	238	1,423,650	.....	.....	2,258	896,762	2,040	94	124	.....	3,210,080	5,143,585
St. Louis, Mo	1900	6,732	162,179,331	9,778	10,994,620	82,672	38,191,076	64,111	15,548	3,013	33,271,804	117,861,443	233,629,738
	1890	6,148	141,872,386	11,140	11,599,896	82,911	41,794,784	66,669	13,816	2,426	17,734,350	122,216,570	229,157,343
	1880	2,924	50,832,885	.....	.....	41,825	17,743,532	33,980	4,761	3,084	.....	75,379,867	114,333,375
St. Paul, Minn	1900	1,591	28,208,389	2,292	2,012,574	17,593	7,669,805	13,391	3,922	280	3,668,047	19,464,570	38,541,030
	1890	1,442	22,501,211	2,279	1,978,846	16,279	8,394,550	13,765	2,332	182	1,740,518	15,867,573	33,035,073
	1880	593	3,738,791	.....	.....	5,230	2,254,340	3,930	1,092	208	.....	5,719,067	10,286,363
Salem, Mass	1900	446	7,450,935	236	214,656	6,424	2,842,678	4,120	2,135	169	464,618	7,159,987	12,257,449
	1890	513	6,250,164	671	472,110	5,127	1,973,966	3,278	1,735	114	424,772	4,738,643	8,522,751
	1880	241	3,978,850	.....	.....	4,181	1,401,592	2,632	1,309	240	.....	7,264,447	9,926,564
Salt Lake City, Utah	1900	432	4,048,906	364	282,418	2,977	1,601,253	2,404	485	88	479,634	2,743,674	6,109,409
	1890	175	3,354,035	301	293,958	1,986	1,205,454	1,633	268	85	291,255	1,966,818	4,624,419
	1880	166	860,415	.....	.....	928	425,537	696	114	118	.....	812,736	1,610,133
San Antonio, Tex	1900	312	4,252,197	209	244,252	3,073	1,755,008	2,781	262	30	654,339	3,284,524	6,821,797
	1890	309	3,004,425	419	417,370	2,022	1,216,936	1,869	132	21	494,744	2,387,984	5,623,612
	1880	71	310,050	.....	.....	361	137,781	300	13	48	.....	328,476	642,412
San Francisco, Cal	1900	4,002	80,103,367	4,041	4,619,083	41,978	22,037,527	31,722	9,321	935	8,826,167	79,492,952	133,069,416
	1890	4,059	74,834,301	6,682	6,388,258	41,764	24,591,116	32,508	8,184	1,072	8,322,483	78,656,470	135,625,754
	1880	2,969	35,358,639	.....	.....	28,407	14,918,834	23,651	3,574	1,182	.....	47,966,677	77,801,949
San Jose, Cal	1900	349	3,534,136	271	185,958	1,802	853,048	1,243	532	27	351,131	2,447,365	4,584,072
Savannah, Ga	1900	155	5,716,491	220	231,377	2,870	1,176,150	2,782	85	3	469,918	3,915,884	6,461,816
	1890	244	5,379,774	341	302,772	2,419	1,059,348	2,296	92	31	484,497	3,297,804	6,319,066
	1880	120	1,102,970	.....	.....	1,130	447,640	996	68	66	.....	2,457,606	3,396,297
Schenectady, N. Y	1900	388	6,517,864	222	204,977	4,431	2,527,352	3,779	607	45	635,955	4,953,662	9,288,387
Scranton, Pa	1900	710	19,954,525	661	791,589	12,669	5,191,522	8,776	2,863	1,030	1,857,881	18,411,022	27,646,418
	1890	177	16,237,271	298	344,178	8,825	3,928,834	7,466	1,019	340	874,621	16,922,753	24,341,745
	1880	216	4,470,681	.....	.....	3,549	1,313,287	2,908	456	185	.....	6,671,479	8,561,850
Seattle, Wash	1900	953	10,131,651	768	684,662	8,480	5,575,253	7,870	543	67	1,479,604	14,211,191	26,373,402
	1890	331	4,758,283	280	321,792	3,768	3,083,731	3,565	198	5	495,061	4,778,384	10,203,007
Sheboygan, Wis	1900	206	7,766,616	202	249,931	5,338	1,678,236	4,684	325	329	678,413	3,995,102	7,469,202
Shenandoah, Pa	1900	78	374,057	13	13,544	210	88,555	186	22	2	96,929	180,224	479,336
Sioux City, Iowa	1900	329	5,691,644	322	295,157	3,104	1,485,066	2,610	438	56	664,486	10,669,672	15,469,702
	1890	196	5,222,626	379	350,849	2,629	1,520,576	2,425	152	52	494,489	10,295,190	14,119,843

TABLE 8.—COMPARATIVE SUMMARY FOR THE PRINCIPAL CITIES SHOWN SEPARATELY FOR 1880, 1890, AND 1900—Continued.

CITIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of Materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Somerville, Mass	1900	378	$10,131,596	294	$266,918	4,342	$2,199,491	3,877	425	40	$706,415	$17,346,772	$21,776,511
	1890	404	3,883,859	496	426,942	2,789	1,357,037	2,360	418	11	439,673	4,420,128	7,307,522
	1880	100	1,682,795	.....	.....	1,296	564,508	1,191	84	21	.....	4,608,192	5,852,535
South Bend, Ind	1900	302	18,156,638	539	577,520	8,257	3,409,637	6,926	1,120	211	950,093	7,510,806	14,236,331
	1890	208	11,252,887	338	337,542	5,750	2,504,562	4,683	911	156	538,151	4,607,716	9,812,513
South Omaha, Nebr	1900	139	16,471,329	774	738,429	6,606	3,268,591	6,045	231	330	1,719,920	61,277,486	70,080,941
Spokane, Wash	1900	213	2,678,823	249	227,905	1,779	1,080,618	1,631	146	2	414,526	2,854,463	5,427,540
Springfield, Ill	1900	320	5,030,438	235	195,622	3,871	1,730,891	3,367	469	35	631,823	3,290,207	6,612,286
	1890	374	3,641,415	416	354,851	2,853	1,390,307	2,472	354	27	303,368	3,790,754	6,562,470
	1880	116	1,709,775	.....	.....	1,698	656,253	1,391	75	232	.....	3,156,279	4,123,883
Springfield, Mass	1900	817	17,105,947	953	1,035,696	10,123	5,176,299	7,453	2,536	134	2,067,702	9,194,841	21,207,039
	1890	692	13,199,283	1,091	1,025,258	9,159	4,843,636	6,944	2,138	77	875,334	7,817,534	17,040,692
	1880	434	9,177,250	.....	.....	7,360	2,906,130	4,881	2,138	341	.....	7,726,119	12,891,826
Springfield, Mo	1900	245	2,111,048	121	99,110	2,127	1,017,345	1,956	145	26	154,290	2,274,705	4,126,871
	1890	277	1,454,613	126	92,793	1,296	584,353	1,076	157	63	270,601	1,657,877	3,062,095
Springfield, Ohio	1900	305	14,091,175	1,313	1,113,310	6,638	3,160,119	6,119	496	23	1,286,798	5,569,261	12,777,173
	1890	372	14,567,931	592	532,769	6,101	2,662,672	5,860	209	32	1,046,292	4,752,062	10,760,965
	1880	170	7,255,953	.....	.....	3,970	1,637,212	3,741	47	182	.....	4,550,569	8,462,443
Superior, Wis	1900	185	5,882,562	148	168,714	1,958	925,776	1,786	140	32	378,667	5,396,730	7,527,703
Syracuse, N. Y	1900	1,383	31,358,055	1,431	1,424,279	14,917	6,735,177	11,880	2,779	258	3,428,671	14,771,128	31,948,055
	1890	1,246	22,853,424	1,948	1,787,667	15,570	6,733,010	12,270	3,109	191	2,689,781	14,104,504	29,297,241
	1880	724	8,186,818	.....	.....	10,966	3,042,135	7,513	2,871	582	.....	8,544,436	14,695,674
Tacoma, Wash	1900	381	8,146,691	293	326,340	4,347	2,356,028	4,104	203	40	461,017	7,389,166	12,029,497
	1890	225	7,227,201	409	557,585	3,658	2,723,235	3,519	93	46	464,674	5,171,658	10,432,955
Taunton, Mass	1900	284	11,737,399	330	430,818	7,102	3,331,680	5,235	1,541	326	908,180	5,993,237	12,594,814
	1890	316	7,891,382	318	304,079	6,148	2,837,194	4,603	1,481	64	707,629	4,799,287	9,936,829
	1880	148	4,086,134	.....	.....	5,154	2,083,185	3,585	898	671	.....	4,272,451	7,618,953
Terre Haute, Ind	1900	429	8,938,107	353	351,127	5,427	2,298,585	4,344	1,067	16	15,358,415	8,029,285	27,784,619
	1890	367	4,965,184	485	364,559	4,720	1,789,442	3,762	764	194	3,903,928	6,785,616	13,720,529
	1880	224	2,566,750	.....	.....	3,376	1,406,352	3,090	144	142	.....	6,743,719	9,185,246
Toledo, Ohio	1900	1,050	25,591,916	1,278	1,224,281	15,383	6,845,687	12,717	2,404	262	3,068,389	21,986,798	37,372,355
	1890	734	12,700,372	1,066	881,121	9,247	4,333,322	7,665	1,343	239	1,246,042	12,189,924	21,651,574
	1880	440	5,534,285	.....	.....	6,738	2,260,456	5,028	1,020	690	.....	6,355,399	10,600,074
Topeka, Kans	1900	399	3,891,530	319	232,602	3,758	2,110,721	3,443	291	24	417,231	6,023,934	9,977,605
	1890	371	3,282,899	346	275,580	3,044	1,579,353	2,722	256	66	276,038	3,670,106	6,752,449
Trenton, N. J	1900	570	26,174,895	839	996,482	14,457	6,791,026	11,641	2,484	332	2,057,474	18,057,504	31,645,695
	1890	885	19,278,041	1,221	1,134,490	13,763	6,834,404	10,809	2,601	353	1,319,216	12,625,400	25,628,223
	1880	404	6,966,830	.....	.....	8,902	3,150,119	6,691	1,084	1,127	.....	7,421,399	12,712,762
Troy, N. Y	1900	662	23,531,622	917	1,045,237	21,564	8,571,923	7,852	13,457	255	2,350,664	11,291,740	28,209,259
	1890	840	24,030,753	1,256	1,253,182	23,901	8,291,580	9,888	13,815	198	2,837,802	13,150,156	29,248,750
	1880	513	13,413,853	.....	.....	22,431	6,744,144	10,337	11,114	980	.....	13,442,219	26,492,363
Utica, N. Y	1900	733	19,289,502	883	792,574	10,759	4,148,415	6,874	3,272	613	2,133,972	9,405,370	19,550,850
	1890	565	14,332,510	971	908,097	11,627	3,418,614	5,479	5,779	369	992,294	7,790,766	15,615,715
	1880	317	5,905,635	.....	.....	6,710	1,917,657	3,752	2,620	338	.....	5,180,598	8,873,306
Waco, Tex	1900	166	2,096,741	106	108,306	1,227	469,129	913	256	58	222,681	1,477,642	2,693,907
Waltham, Mass	1900	275	9,152,169	198	264,588	5,392	2,630,929	3,263	2,095	34	671,780	2,317,792	6,934,381
Warwick, R. I	1900	104	8,418,333	69	116,239	5,544	1,858,462	3,233	1,761	550	330,774	2,522,789	6,197,506
Washington, D. C	1900	2,754	41,981,245	2,083	1,823,437	24,693	14,643,714	20,415	4,162	116	4,433,652	19,369,571	47,667,622
	1890	2,295	28,865,089	2,998	2,358,122	20,406	12,264,142	17,114	3,159	133	1,589,114	17,194,667	39,331,437
	1880	971	5,552,526	.....	.....	7,146	3,924,612	5,496	1,389	261	.....	5,365,400	11,882,316
Waterbury, Conn	1900	404	23,421,640	699	1,005,814	14,914	7,564,198	10,779	3,787	348	1,664,050	19,821,401	33,778,905
	1890	219	17,682,500	514	623,786	9,840	4,984,868	6,984	2,617	239	1,155,304	8,715,921	17,712,829
Watertown, N. Y	1900	289	8,281,845	247	279,900	3,760	1,821,477	3,230	512	18	455,916	4,152,344	7,881,977
West Hoboken, N. J	1900	177	4,042,373	173	152,147	3,028	1,248,244	1,479	1,475	74	677,713	2,829,789	5,491,760
Wheeling, W. Va	1900	406	13,224,577	465	439,582	7,219	3,096,730	5,302	1,775	142	1,954,205	9,076,978	16,747,544
	1890	418	8,494,630	743	566,565	6,107	2,471,162	4,503	1,099	505	1,205,931	7,381,940	13,022,589
	1880	227	4,868,288	.....	.....	5,512	2,192,255	4,658	196	658	.....	5,203,931	9,259,844
Wichita, Kans	1900	328	2,108,524	144	110,935	1,505	639,271	1,284	200	21	176,146	3,060,661	4,724,068
	1890	144	3,062,696	241	233,937	1,445	673,994	1,203	172	70	304,458	3,380,478	5,074,913
Wilkesbarre, Pa	1900	438	10,501,537	340	406,823	5,977	2,286,676	3,727	1,780	470	1,142,358	5,167,777	10,758,348
	1890	270	5,598,139	264	250,752	4,141	1,808,226	2,969	1,031	141	578,640	4,026,579	7,746,371
	1880	89	1,146,500	.....	.....	645	223,399	613	17	15	.....	660,649	1,133,344
Williamsport, Pa	1900	396	9,863,811	397	352,348	5,595	2,065,930	3,679	1,614	302	517,059	6,420,337	11,199,600
	1890	302	12,335,423	460	406,048	5,653	2,271,531	4,688	871	94	626,646	5,919,284	11,107,037

TABLE 8.—COMPARATIVE SUMMARY FOR THE PRINCIPAL CITIES SHOWN SEPARATELY FOR 1880, 1890, AND 1900—Continued.

CITIES.	Year.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
						Total.		Average number.					
				Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Wilmington, Del	1900	759	$28,372,043	1,051	$1,138,361	16,055	$7,439,210	13,725	1,835	495	$1,658,908	$19,451,815	$34,053,324
	1890	590	20,585,646	1,007	956,281	13,370	6,707,867	11,827	960	583	1,131,648	13,050,152	24,568,125
	1880	258	10,744,389	.....	.....	7,852	3,174,821	6,871	459	522	.....	7,884,847	13,205,370
Wilmington, N. C	1900	131	2,968,199	120	103,178	1,850	568,250	1,495	260	95	158,723	1,734,054	2,960,028
	1890	121	1,752,667	141	89,260	1,358	460,608	1,178	106	74	105,571	1,014,384	1,904,147
Woonsocket, R. I	1900	242	14,279,361	166	258,715	8,093	3,080,280	4,972	2,635	486	589,795	7,563,204	15,627,539
	1890	201	10,096,619	227	220,388	6,190	2,141,229	3,227	2,487	476	393,282	5,532,286	9,613,264
Worcester, Mass	1900	1,071	42,966,743	1,430	1,791,000	25,593	12,894,784	20,421	4,589	583	4,258,926	26,666,176	53,348,783
	1890	996	25,280,620	1,485	1,573,707	20,244	10,120,414	16,383	3,646	215	1,827,815	21,208,904	39,533,869
	1880	638	11,247,104	.....	.....	16,248	6,792,382	13,498	2,366	384	.....	16,274,319	26,712,093
Yonkers, N. Y	1900	387	13,097,205	329	453,426	8,615	3,888,892	5,564	2,782	269	1,059,522	10,555,218	19,580,324
	1890	628	10,989,789	860	803,168	10,443	5,073,977	6,668	3,168	607	819,340	10,995,699	21,319,017
York, Pa	1900	464	9,640,784	404	438,281	7,785	2,679,175	5,802	1,501	482	798,453	6,078,070	11,961,706
	1890	350	3,842,453	451	289,038	3,669	1,320,418	2,883	656	130	358,635	3,170,840	5,968,228
Youngstown, Ohio	1900	260	22,360,097	434	492,823	9,150	4,951,460	8,905	226	19	968,636	23,541,769	34,801,101
	1890	245	7,542,742	357	311,707	5,486	3,295,952	5,158	222	106	462,785	9,380,929	14,667,260
Zanesville, Ohio	1900	293	5,162,067	424	319,864	4,603	1,786,005	3,590	1,000	13	365,338	3,756,489	7,468,839
	1890	301	4,200,409	299	235,343	3,388	1,325,590	2,727	601	60	393,616	3,331,626	6,053,484

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Total	307,433	$7,771,225,987	389,330	$353,864,977	4,250,305	$1,930,450,703	3,210,366	914,954	124,985	$920,203,268	$5,856,380,318	$10,541,767,614
Aberdeen, Miss	32	179,625	9	5,520	194	40,229	177	16	1	10,765	110,914	228,278
Abilene, Kans	70	232,181	59	20,320	192	63,251	161	24	7	26,587	365,596	534,619
Abington, Mass	67	758,395	56	52,962	1,568	713,181	1,109	349	110	56,423	1,712,764	2,684,641
Adams, Mass	107	6,646,981	56	125,874	3,315	1,234,459	1,907	1,252	156	251,319	1,839,969	4,189,239
Adrian, Mich	166	1,756,050	196	129,328	1,151	499,879	974	166	11	164,186	1,041,707	2,424,678
Akron, Ohio	431	24,199,310	1,130	1,019,025	9,030	3,971,307	7,299	1,666	65	1,779,804	13,474,282	23,610,099
Albany, N. Y	1,566	21,323,764	918	1,016,805	12,389	6,111,059	9,734	2,541	114	2,383,917	11,121,501	24,992,021
Albert Lea, Minn	83	466,426	21	14,363	336	146,104	282	51	3	28,777	402,032	750,100
Albion, Mich	61	1,420,593	85	67,447	520	221,913	491	26	3	118,988	503,879	1,080,426
Albion, N. Y	58	352,261	8	5,865	235	87,245	198	33	4	14,802	203,695	405,774
Albuquerque, N. Mex	102	793,644	28	22,080	926	497,268	894	32	.....	70,476	953,597	1,879,413
Alexandria, Ind	95	3,062,182	40	86,719	1,903	993,815	1,700	84	119	139,082	1,237,069	2,929,596
Alexandria, Va	172	1,779,384	104	79,728	1,065	443,024	947	99	19	282,115	788,671	1,890,383
Allegan, Mich	54	193,453	9	5,163	184	65,371	161	23	.....	15,195	218,375	363,278
Allegheny, Pa	893	50,122,503	2,027	2,098,121	20,804	10,352,502	17,820	2,467	517	5,120,269	29,478,781	54,136,967
Allentown, Pa	491	11,996,971	390	325,762	8,447	3,150,970	5,251	2,574	622	1,310,643	9,846,047	16,947,722
Alliance, Ohio	145	5,804,953	136	120,703	1,749	784,989	1,614	123	12	160,343	1,906,204	3,730,144
Alpena, Mich	98	2,585,476	60	48,351	1,004	420,334	935	52	17	126,462	1,476,613	2,445,896
Alton, Ill	160	2,967,168	124	112,198	2,360	1,127,545	1,996	125	239	258,922	2,654,463	4,633,035
Altoona, Pa	230	8,108,819	380	266,527	8,090	4,619,828	7,458	432	200	350,501	8,376,488	14,250,656
Americus, Ga	47	393,736	31	25,320	544	202,583	524	14	6	27,356	313,395	664,706
Amesbury, Mass	152	2,949,565	75	68,212	2,347	1,027,222	1,662	621	64	227,659	2,090,449	3,898,251
Amherst, Mass	67	559,085	22	21,560	525	253,906	320	204	1	73,716	716,093	1,316,143
Amsterdam, N. Y	213	10,119,879	197	223,221	6,769	2,680,359	3,904	2,694	171	584,019	6,424,315	11,502,316
Anaconda, Mont	57	17,135,601	95	185,215	2,484	2,198,005	2,455	18	11	323,291	12,098,075	21,334,952
Anderson, Ind	311	5,709,965	269	260,394	4,583	2,363,994	3,886	367	330	418,526	6,204,219	10,941,854
Anderson, S. C	52	1,280,111	26	22,325	910	166,318	471	184	255	58,753	637,879	1,127,483
Andover, Mass	57	2,096,294	48	53,602	1,103	436,212	683	341	79	110,106	1,073,222	1,888,329
Angola, Ind	38	201,548	8	4,372	141	47,300	129	9	3	12,309	268,280	420,937
Annapolis, Md	91	188,195	12	7,120	244	101,608	212	27	5	9,797	170,043	393,086
Ann Arbor, Mich	231	1,304,694	88	56,297	1,187	462,181	941	239	7	209,967	1,238,260	2,340,138
Anniston, Ala	59	2,396,278	64	64,566	1,997	649,983	1,593	242	162	134,530	1,414,873	2,594,758
Anoka, Minn	47	620,883	11	11,873	291	123,908	254	37	.....	56,246	1,451,288	1,847,812
Ansonia, Conn	94	6,309,281	190	202,296	3,407	1,769,361	2,886	515	6	348,682	15,051,022	18,736,179
Antigo, Wis	65	469,185	16	14,746	373	147,591	352	15	6	42,760	385,939	728,755
Appleton, Wis	240	4,975,397	122	139,400	2,226	951,147	1,783	390	53	304,724	3,251,621	5,330,669
Argentine, Kans	45	10,753,128	42	20,739	741	436,226	734	5	2	118,218	15,016,721	20,337,170
Arkansas City, Kans	74	677,649	39	30,474	319	151,963	289	20	10	68,277	725,361	1,078,555
Arlington, Mass	90	406,128	20	13,922	323	197,099	292	27	4	53,915	268,934	681,010
Asheville, N. C	135	1,405,923	66	48,647	1,136	354,511	838	216	82	59,362	1,065,023	1,866,109
Ashland, Ky	82	2,980,975	72	82,346	1,620	575,152	1,556	14	50	169,151	3,046,856	4,595,809
Ashland, Pa	54	307,871	7	3,525	168	85,640	156	11	1	9,779	132,909	274,765
Ashland, Wis	129	6,017,653	72	81,903	1,830	875,715	1,776	50	4	300,286	1,929,656	4,157,718
Aspen, Colo	53	104,675	3	1,073	68	41,939	54	14	.....	12,663	87,084	206,447
Ashtabula, Ohio	90	764,127	48	35,763	440	188,562	390	49	1	67,950	575,249	997,848
Astoria, Oreg	81	3,145,983	67	77,892	841	419,201	779	57	5	187,231	1,530,436	2,528,370
Atchison, Kans	111	1,139,313	53	39,738	881	415,816	724	146	11	97,926	1,699,953	2,600,459
Athens, Ga	69	801,744	37	21,631	844	175,183	466	230	148	42,030	553,201	950,234
Athens, N. Y	16	236,610	5	5,120	256	101,207	170	76	10	3,845	178,777	354,540
Athens, Ohio	39	306,632	30	17,554	215	95,865	192	18	5	27,671	158,314	366,052
Athens, Pa	51	843,719	38	29,107	589	220,250	517	48	24	54,356	618,956	1,012,183
Athol, Mass	129	1,722,593	104	95,398	1,455	668,445	1,016	421	18	119,906	1,307,815	2,549,704
Atlanta, Ga	390	16,045,156	780	851,801	9,356	3,103,989	6,442	2,129	785	1,352,444	8,563,524	16,707,027
Attica, Ind	46	389,945	56	36,604	313	94,550	200	113	.....	416,719	250,291	955,478
Attleboro, Mass	179	5,833,100	278	287,177	5,106	2,354,880	3,570	1,472	64	359,736	4,106,820	9,442,752
Auburn, Ind	59	620,612	50	50,435	470	193,080	444	25	1	37,988	655,775	1,152,250
Auburn, Me	147	3,372,694	205	173,186	2,908	1,262,010	1,985	880	43	257,089	4,144,815	6,326,851
Auburn, N. Y	316	12,810,363	343	333,495	6,530	2,703,948	4,669	1,709	152	644,549	5,630,925	10,591,109
Augusta, Ga	383	8,990,989	262	277,556	7,092	1,805,654	4,341	2,081	670	617,178	6,234,176	10,641,900
Augusta, Me	171	3,488,474	102	117,290	2,227	798,638	1,242	910	75	666,785	1,459,662	3,822,679
Aurora, Ill	229	6,304,454	338	311,158	4,647	1,952,025	3,508	982	157	405,077	3,490,279	7,370,029
Aurora, Ind	59	515,494	39	31,755	515	172,542	427	81	7	32,920	481,483	877,139
Au Sable, Mich	6	9,380	2	2,700	38	17,700	35	3	.....	621	25,644	57,725
Austin, Minn	69	469,671	19	13,293	265	107,206	215	48	2	26,065	474,286	757,455
Austin, Tex	279	825,293	60	47,590	967	471,818	854	91	22	152,199	896,750	1,921,853
Baker City, Oreg	79	482,181	6	5,000	345	218,433	315	26	4	55,598	398,986	944,872
Baldwinsville, N. Y	55	821,470	33	31,944	349	163,976	285	60	4	69,891	628,762	1,085,262
Ballston Spa, N. Y	62	3,415,471	22	51,612	992	439,183	973	17	2	87,250	2,107,160	3,075,836
Baltimore, Md	6,859	117,062,459	6,267	6,190,269	78,738	29,220,460	50,954	23,710	4,074	14,512,809	87,175,134	161,249,240
Bangor, Me	315	2,743,648	176	142,561	2,669	1,291,941	2,239	427	3	260,703	2,740,287	5,172,733
Bangor, Pa	73	804,517	70	44,700	944	348,687	810	101	33	110,955	552,647	1,230,350
Baraboo, Wis	75	371,960	21	15,432	405	178,509	324	80	1	43,109	346,458	695,731
Barberton, Ohio	27	3,366,386	65	96,423	1,115	461,082	931	174	10	323,720	1,804,453	3,256,844
Barnesville, Ga	16	528,408	23	21,570	572	117,703	262	195	115	23,162	596,399	1,024,949
Barnesville, Ohio	56	503,124	31	22,276	418	183,033	308	103	7	37,903	358,674	657,060

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Barre, Vt	239	$1,343,544	55	$47,724	2,123	$1,315,790	2,089	31	3	$215,116	$993,625	$3,242,274
Batavia, Ill	37	2,020,528	89	91,470	838	364,812	779	59	.....	79,459	1,091,220	1,868,989
Batavia, N. Y	126	3,532,968	192	168,354	1,773	753,494	1,400	369	4	219,002	1,425,436	2,993,297
Bath, Me	142	3,256,726	89	87,551	2,249	1,191,092	2,147	99	3	179,255	2,126,388	4,036,815
Battle Creek, Mich	177	7,354,492	448	409,557	2,323	1,079,934	1,953	363	7	1,467,100	2,351,015	6,753,208
Baton Rouge, La	27	778,570	40	31,782	302	110,855	300	1	1	95,917	406,538	748,401
Bay City, Mich	376	5,645,525	233	201,312	3,307	1,466,328	3,021	279	7	385,641	3,820,599	7,087,624
Bayonne, N. J	225	26,583,058	251	414,099	5,083	2,856,776	4,890	117	76	805,433	34,094,479	39,352,248
Beatrice, Nebr	79	594,679	45	31,819	436	172,330	374	45	17	31,192	436,314	789,228
Beaufort, S. C	18	34,331	1	900	29	6,833	27	.....	2	2,146	21,894	46,981
Beaumont, Tex	51	3,113,766	58	83,788	954	439,078	943	8	3	71,167	1,184,094	2,014,501
Beaverdam, Wis	57	1,181,842	28	35,600	707	215,526	515	161	31	60,237	529,527	1,002,255
Beaver Falls, Pa	119	6,367,196	134	161,828	2,231	1,022,075	1,951	174	106	303,189	3,780,051	6,245,501
Bedford, Ind	55	438,793	13	13,503	315	154,771	292	21	2	28,382	275,609	566,185
Belfast, Me	79	517,055	24	17,721	679	251,639	392	281	6	36,035	540,314	964,738
Bellaire, Ohio	94	3,612,811	88	114,520	2,141	923,305	1,838	243	60	250,403	6,129,193	9,150,462
Bellefontaine, Ohio	104	620,585	50	35,578	713	311,942	648	52	13	44,706	662,703	1,189,201
Bellefonte, Pa	62	874,976	44	38,011	506	219,770	459	45	2	46,731	652,436	1,175,668
Belle Plaine, Iowa	41	89,742	4	2,787	135	58,338	126	6	3	8,819	122,413	232,581
Belleville, Ill	260	2,573,648	180	118,634	1,800	832,610	1,594	92	114	916,492	1,293,228	3,766,988
Bellevue, Ky	30	73,463	3	1,686	79	27,839	51	26	2	20,047	61,619	149,558
Bellevue, Ohio	38	661,742	34	37,286	301	125,986	278	10	13	25,057	539,671	834,880
Beloit, Wis	103	2,593,589	119	130,178	2,055	981,217	1,878	170	7	135,927	1,543,086	3,185,080
Belton, Tex	53	309,003	9	6,693	189	74,462	168	20	1	16,963	279,922	467,504
Belvidere, Ill	106	1,695,879	87	91,685	1,147	636,482	1,070	73	4	118,168	928,730	2,036,734
Bennington, Vt	82	3,129,196	88	101,805	1,855	701,030	994	840	21	161,755	1,443,830	2,805,608
Benton Harbor, Mich.	89	1,215,244	58	47,550	700	247,166	587	101	12	65,208	737,546	1,269,243
Benwood, W. Va	16	4,727,266	77	72,379	2,995	1,388,601	2,874	2	119	141,352	6,572,629	11,142,268
Berkley, Va	48	1,740,919	56	64,301	1,186	485,434	1,021	159	6	117,420	1,482,572	2,391,048
Berlin, Conn	30	1,915,065	61	110,094	996	500,530	902	92	2	70,972	1,242,414	2,222,134
Berlin, N. H	69	7,572,021	71	93,295	2,705	1,061,795	2,430	260	15	406,907	3,281,365	6,314,496
Berlin, Wis	65	458,021	35	23,570	376	134,514	245	124	7	32,112	412,259	736,247
Berwick, Pa	33	2,446,463	53	61,882	1,335	730,505	1,292	35	8	111,067	2,808,813	4,372,953
Bessemer, Ala	42	3,620,082	49	57,639	1,669	605,741	1,652	4	13	317,590	2,206,654	3,561,549
Bessemer, Mich	27	87,975	8	9,000	43	23,992	40	2	1	6,552	70,659	141,466
Bethel, Conn	47	437,800	43	47,370	780	383,252	533	244	3	70,204	592,921	1,229,651
Bethlehem, Pa	106	1,871,072	44	46,480	1,265	326,954	631	439	195	240,028	995,368	1,832,219
Beverly, Mass	227	2,552,955	116	75,073	2,810	1,390,066	2,097	667	46	215,536	2,546,186	4,933,752
Biddeford, Me	108	6,067,194	44	75,545	4,527	1,554,146	2,404	1,927	196	519,361	3,098,244	5,769,844
Big Rapids, Mich	59	554,666	22	17,848	454	180,285	429	24	1	32,699	401,545	761,634
Biloxi, Miss	39	417,902	17	11,300	593	136,441	225	245	123	32,022	605,663	949,031
Binghamton, N. Y	594	9,295,859	517	490,442	6,106	2,461,084	3,970	2,113	23	1,040,419	6,339,365	12,638,547
Birdsboro, Pa	26	1,095,356	24	47,226	861	335,450	759	58	44	58,240	1,321,574	2,026,928
Birmingham, Ala	283	7,434,654	359	405,424	6,675	2,587,221	5,980	484	211	533,368	6,045,552	12,581,066
Blackstone, Mass	28	5,023,339	51	82,687	1,742	776,201	1,243	421	78	86,602	2,850,300	6,593,641
Bloomfield, N. J	150	3,354,149	148	224,014	1,840	899,298	1,401	372	67	256,025	1,895,655	3,860,796
Bloomington, Ill	185	2,465,300	207	147,282	2,030	974,736	1,761	242	27	202,807	2,008,907	3,845,768
Bloomington, Ind	58	317,937	14	12,170	391	123,949	374	14	3	21,611	405,636	714,838
Bloomsburg, Pa	65	2,093,473	66	63,090	1,029	328,385	635	308	86	106,093	978,508	1,732,559
Bluffton, Ind	91	416,432	43	24,126	461	175,829	372	87	2	49,299	525,428	973,993
Boone, Iowa	114	400,260	29	19,590	680	315,833	592	60	28	28,725	471,794	975,645
Booneton, N. J	39	575,470	32	30,418	574	218,613	456	117	1	48,295	1,009,005	1,458,942
Booneville, Mo	97	299,128	9	6,064	203	89,426	164	25	14	28,129	271,425	473,455
Bordentown, N. J	35	590,439	12	9,615	469	123,632	96	280	93	35,555	405,675	663,706
Boston, Mass	7,247	143,311,376	8,840	9,114,118	72,142	39,184,191	52,831	18,584	727	23,652,792	99,557,019	206,081,767
Boundbrook, N. J	47	716,323	24	34,794	523	190,005	421	83	19	69,737	352,133	742,374
Bowling Green, Ky	104	624,907	48	34,167	782	290,774	658	111	13	64,174	855,636	1,557,952
Braddock, Pa	121	2,724,303	71	60,828	1,437	893,037	1,374	37	26	875,170	3,111,916	5,643,152
Bradford, Pa	149	2,674,380	101	97,397	1,965	1,031,949	1,821	120	24	224,962	2,011,858	4,101,339
Braidwood, Ill	14	12,455	.....	.....	11	4,936	8	.....	3	1,096	12,939	28,322
Brainerd, Minn	54	1,924,045	55	59,288	989	528,012	972	12	5	102,130	1,112,037	1,943,962
Brandon, Vt	61	205,645	11	5,414	239	83,472	195	33	11	11,816	158,691	326,249
Branford, Conn	40	802,721	25	31,652	908	426,952	808	70	30	40,871	239,507	917,147
Brattleboro, Vt	119	1,334,492	63	68,861	854	376,647	581	263	10	90,213	665,599	1,544,457
Brazil, Ind	124	1,469,183	46	36,687	809	375,614	759	35	15	62,593	1,077,795	1,815,474
Brewer, Me	44	735,924	25	22,540	364	170,268	328	36	.....	72,121	540,326	889,779
Bridgeport, Conn	832	33,066,890	1,163	1,498,768	19,301	9,123,790	13,609	5,446	246	2,564,392	19,133,236	37,883,721
Bridgeport, Ohio	23	1,717,473	74	84,757	1,614	911,421	1,494	62	58	61,653	2,874,661	4,793,847
Bridgeport, Pa	28	1,954,100	22	30,207	833	265,209	402	333	98	66,292	1,358,235	1,821,585
Bridgton, Me	43	738,503	12	9,469	376	182,539	303	73	.....	37,577	409,096	662,391
Bridgeton, N. J	185	2,357,651	119	109,344	2,333	836,188	1,775	441	117	99,557	1,216,192	2,649,919
Bridgewater, Mass	54	866,911	39	39,839	838	478,381	705	127	6	43,933	1,300,927	2,075,377
Brigham, Utah	33	104,944	10	2,283	74	27,709	61	9	4	4,650	98,892	172,101
Bristol, Conn	143	3,764,528	142	199,424	2,476	1,188,943	1,920	541	15	207,650	2,224,314	4,364,097
Bristol, Me	37	205,495	4	4,650	226	65,030	168	31	27	5,593	137,965	266,380
Bristol, Pa	72	3,616,181	57	67,902	2,027	751,033	1,135	664	228	332,920	2,577,508	4,008,248
Bristol, R. I	72	3,919,260	73	93,743	2,009	828,366	1,164	794	51	317,873	2,028,612	3,670,251
Bristol, Tenn	59	742,605	62	41,066	511	138,898	394	71	46	109,020	533,743	988,073
Bristol, Va	56	860,211	57	38,501	746	241,380	712	20	14	38,056	579,654	1,092,628
Brockport, N. Y	39	528,469	32	29,984	400	134,792	305	94	1	75,433	430,284	816,208

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Brockton, Mass	428	$10,193,688	631	$654,785	10,986	$6,166,462	8,161	2,754	71	$1,189,168	$15,980,658	$26,384,881
Brookfield, Mass	35	393,859	10	8,500	455	202,800	334	115	6	38,067	544,591	809,420
Brookfield, Mo	64	101,293	4	2,160	193	89,698	161	25	7	12,109	135,336	329,889
Brooklyn, Conn	17	1,404,048	11	18,038	725	226,824	413	267	45	38,895	851,198	756,235
Brookville, Ind	40	155,082	17	9,960	199	71,294	185	11	3	14,488	173,049	317,968
Brownsville, Tenn	25	78,554	6	2,145	59	15,240	51	6	2	10,711	68,338	128,432
Brownsville, Tex	36	96,905	9	2,007	63	17,646	58	.....	5	3,478	58,292	108,680
Brunswick, Ga	73	423,826	18	16,540	550	247,516	534	6	10	39,144	551,817	1,171,378
Brunswick, Me	80	1,673,359	33	29,754	970	350,726	516	392	62	118,462	551,472	1,194,275
Bryan, Ohio	59	315,671	10	8,392	180	73,054	156	22	2	24,232	208,349	396,757
Bryan, Tex	37	182,870	10	7,000	120	42,387	110	6	4	18,160	142,811	306,362
Bucksport, Me	26	84,480	.....	.....	84	31,690	78	6	.....	5,248	90,919	160,014
Bucyrus, Ohio	91	1,011,031	62	54,192	751	338,535	679	56	16	73,585	557,220	1,300,327
Buena Vista, Va	22	921,135	24	33,388	390	126,698	353	37	.....	30,495	1,063,877	1,477,150
Buffalo, N. Y	3,902	103,939,655	4,184	3,680,491	43,422	19,915,817	36,252	6,606	564	9,559,245	73,359,466	122,230,061
Burlington, Iowa	340	5,235,624	303	203,540	2,598	1,013,998	2,199	312	87	414,819	2,809,536	5,334,196
Burlington, N. J	88	1,471,543	105	142,106	1,461	640,453	1,043	403	15	101,573	1,788,443	2,905,991
Burlington, Vt	196	5,066,377	243	301,689	2,794	1,008,188	2,058	690	46	1,064,709	3,751,186	7,094,538
Burrelville, R. I	64	2,922,075	49	68,576	1,865	739,988	1,220	557	88	256,248	2,574,503	4,089,160
Butler, Ind	25	170,911	20	10,362	175	51,925	146	23	6	12,089	194,511	327,600
Butler, Pa	129	1,696,396	40	47,668	1,003	505,468	905	64	34	144,796	749,216	1,877,419
Butte, Mont	212	5,683,033	114	121,734	1,379	1,355,286	1,241	115	23	265,989	3,966,492	8,958,782
Cadillac, Mich	63	2,553,064	34	28,853	788	362,660	738	44	6	104,501	1,364,339	2,164,787
Cairo, Ill	125	2,346,403	122	99,104	1,621	592,535	1,486	31	104	199,109	2,119,681	3,466,015
Calais, Me	73	1,715,940	42	41,650	855	317,575	697	156	2	98,317	872,768	1,493,126
Calvert, Tex	29	150,778	4	3,500	101	25,208	100	1	.....	14,718	236,767	527,005
Cambridge, Mass	782	26,662,751	1,095	1,160,805	12,986	6,785,070	9,894	3,028	64	2,229,106	23,986,638	39,164,013
Cambridge, Ohio	65	1,201,662	63	58,077	849	523,339	809	40	.....	82,401	1,438,670	2,459,368
Camden, Me	55	1,680,251	34	29,519	841	382,191	639	202	.....	60,560	933,518	1,618,017
Camden, N. J	817	16,430,611	736	715,598	8,941	3,824,434	6,546	2,115	280	1,487,751	11,499,151	20,451,874
Camden, S. C	26	304,289	8	4,902	349	61,769	256	45	48	25,845	125,826	241,632
Canal Dover, Ohio	75	1,931,838	62	84,215	1,507	721,242	1,462	31	14	128,719	2,026,574	3,380,494
Canandaigua, N. Y	86	1,338,169	52	55,524	579	254,701	532	46	1	267,964	789,719	1,514,576
Canastota, N. Y	52	768,521	43	33,570	468	194,262	434	27	7	37,779	463,604	890,365
Cannelton, Ind	26	509,822	9	12,900	410	95,672	151	245	14	18,859	189,758	375,592
Canton, Ill	72	4,713,448	86	73,531	1,162	462,011	1,003	152	7	161,660	671,217	1,806,640
Canton, Mass	59	2,214,623	85	103,062	749	339,899	501	244	4	83,839	929,509	1,650,829
Canton, Ohio	502	10,094,818	562	523,561	6,455	2,970,245	5,530	903	22	1,081,809	5,604,399	12,258,427
Cape Girardeau, Mo	94	481,170	26	14,631	282	105,009	266	3	13	35,871	331,749	612,259
Carbondale, Pa	92	1,618,034	71	69,552	1,188	387,528	735	210	193	100,701	572,101	1,384,662
Caribou, Me	38	206,125	8	3,255	125	43,010	111	11	3	8,289	200,245	341,294
Carlisle, Pa	109	1,125,635	82	92,894	1,385	415,986	858	495	32	83,436	1,249,456	2,131,239
Carmi, Ill	35	115,166	3	1,120	98	36,463	92	6	.....	9,406	81,977	169,171
Carnegie, Pa	53	465,830	14	15,678	381	231,519	358	18	5	67,192	434,660	909,890
Carrollton, Mo	48	215,760	8	4,220	120	41,445	100	19	1	11,525	185,757	311,368
Carson City, Nev	36	260,434	3	4,580	71	57,434	70	.....	1	17,377	61,977	185,387
Cartersville, Ga	26	93,908	8	3,450	75	15,827	59	8	8	5,266	54,151	115,941
Carthage, Mo	94	859,385	48	40,698	523	217,237	403	110	10	99,658	543,592	1,176,981
Carthage, Ohio	24	404,420	21	20,846	369	143,361	363	6	.....	802,443	415,216	1,557,273
Catasauqua, Pa	68	3,136,958	72	94,575	1,543	592,026	1,181	208	154	190,598	1,660,319	3,197,297
Catskill, N. Y	75	1,579,609	44	43,831	903	376,644	659	221	23	74,116	495,860	1,196,543
Cedar Falls, Iowa	67	658,605	33	23,703	315	123,090	239	75	1	55,380	678,000	1,049,557
Cedar Rapids, Iowa	241	6,256,801	336	286,448	3,105	1,313,821	2,543	442	120	518,455	8,969,992	12,715,897
Celina, Ohio	34	149,000	14	9,302	153	58,314	129	20	4	11,881	235,619	410,097
Centerville, Iowa	54	173,910	13	6,931	203	82,667	162	36	5	14,695	168,272	341,169
Central Falls, R. I	134	3,389,256	69	84,647	2,092	800,852	1,198	809	85	221,472	2,119,035	3,749,783
Centralia, Ill	66	624,385	29	29,754	636	243,628	510	125	1	23,137	637,728	1,081,230
Chambersburg, Pa	107	853,037	35	25,425	793	283,676	600	165	28	62,527	633,952	1,127,423
Champaign, Ill	122	510,371	34	27,080	515	234,461	425	79	11	60,736	372,801	867,995
Chanute, Kans	54	98,261	5	4,500	154	71,627	122	31	1	9,224	132,216	280,370
Chariton, Iowa	46	126,090	5	3,549	175	64,837	147	24	4	12,068	155,346	323,900
Charleroi, Pa	62	2,395,002	66	79,673	1,270	671,371	1,011	48	211	278,069	700,669	1,871,505
Charles City, Iowa	61	288,313	6	4,326	184	77,479	166	15	3	15,021	231,804	433,935
Charleston, S. C	364	12,473,187	268	291,148	5,027	1,489,966	4,017	790	220	796,573	5,633,578	9,562,387
Charleston, W. Va	119	1,371,807	95	81,995	1,176	454,578	1,059	103	14	95,991	1,033,443	2,052,762
Charlotte, Mich	65	360,900	43	23,363	327	120,069	274	53	.....	23,351	285,638	528,317
Charlotte, N. C	112	4,102,342	185	174,848	2,988	699,846	1,704	807	477	218,221	2,892,587	4,702,301
Charlottesville, Va	79	827,284	55	56,708	487	153,857	346	139	2	43,938	387,690	858,144
Chattanooga, Tenn	332	8,103,870	486	442,348	5,472	1,889,795	4,899	432	141	778,998	7,322,503	12,033,780
Cheboygan, Mich	61	1,845,540	38	40,549	665	280,188	646	16	3	118,522	1,054,867	1,730,843
Chelsea, Mass	308	8,211,682	342	346,985	3,332	1,625,875	2,421	902	9	678,248	5,764,409	10,333,549
Chelsea, Mich	40	207,550	26	13,254	188	70,415	171	15	2	8,705	123,785	293,452
Chester, Pa	315	18,977,710	324	494,821	7,682	3,462,196	5,935	1,451	296	1,222,400	9,261,886	16,421,725
Chester, S. C	26	480,624	18	12,492	584	114,108	369	117	98	41,367	376,980	645,444
Chetopa, Kans	30	57,296	1	300	27	9,524	19	8	.....	3,332	71,704	112,789
Cheyenne, Wyo	71	645,105	25	21,403	589	474,111	568	20	1	71,546	542,428	1,254,674
Chicago, Ill	19,203	534,000,689	35,003	34,374,733	262,621	131,065,337	210,687	44,961	6,973	80,414,823	538,401,562	888,945,311
Chicago Heights, Ill	67	2,866,541	159	208,607	1,529	790,645	1,491	26	12	194,949	2,063,722	3,902,338
Chicopee, Mass	122	6,595,802	123	158,509	4,331	1,668,362	2,495	1,716	120	433,337	5,666,713	8,704,907
Chillicothe, Mo	111	323,685	12	9,520	290	114,007	228	54	8	20,154	309,296	603,767

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Chillicothe, Ohio	115	$914,447	75	$37,368	1,223	$454,644	945	264	14	$96,614	$914,665	$1,709,895
Chippewa Falls, Wis	72	1,847,675	46	51,680	555	248,161	514	37	4	104,828	1,273,597	2,131,067
Cincinnati, Ohio	5,127	109,582,142	6,657	6,776,141	63,240	27,189,069	46,882	15,314	1,044	22,873,620	77,539,292	157,806,834
Circleville, Ohio	83	1,168,592	50	28,941	686	221,470	542	108	36	59,518	1,273,874	1,933,996
Claremont, N. H	89	1,767,883	68	71,478	1,428	579,624	839	459	130	100,826	1,429,533	2,502,632
Clarinda, Iowa	44	126,706	4	1,659	85	33,449	74	10	1	9,434	97,158	179,996
Clarksville, Tenn	105	1,402,405	111	107,121	912	247,202	697	136	79	257,310	1,698,720	2,765,876
Clay Center, Kans	54	179,558	9	8,751	71	25,311	49	18	4	11,809	182,221	279,283
Cleburne, Tex	75	459,325	41	42,423	807	406,011	785	16	6	22,573	593,060	1,202,797
Cleveland, Ohio	2,927	98,308,682	5,410	5,732,145	58,810	27,892,689	49,240	9,074	496	11,665,697	71,597,595	139,849,806
Cleveland, Tenn	29	238,785	19	15,200	453	97,653	185	218	50	15,832	267,301	464,412
Clinton, Ill	23	125,072	15	12,246	190	95,067	186	4	.....	4,984	157,009	301,156
Clinton, Iowa	224	4,537,200	202	232,612	3,080	1,137,019	2,738	245	97	370,141	4,247,057	6,939,473
Clinton, Mass	104	7,098,744	85	115,312	4,021	1,600,948	2,409	1,423	189	222,973	2,913,952	5,446,763
Clinton, Mo	62	333,364	16	12,667	172	69,099	138	23	16	15,747	195,664	372,194
Clyde, N. Y	46	533,305	21	16,904	222	97,658	161	48	13	22,441	352,998	557,169
Coatesville, Pa	70	4,772,487	113	95,805	1,854	840,322	1,674	128	52	219,305	3,752,864	6,356,079
Coffeyville, Kans	64	406,444	25	19,294	417	148,823	377	38	2	42,900	697,955	1,066,886
Cohoes, N. Y	316	11,316,482	215	257,138	8,673	3,140,668	4,246	4,049	378	653,130	6,120,342	11,636,130
Colchester, Vt	31	1,298,233	42	41,115	932	251,499	623	303	6	81,797	764,284	1,258,603
Coldwater, Mich	119	1,925,720	72	71,428	846	324,389	695	142	9	104,750	1,200,058	1,985,543
Collinsville, Ill	51	408,614	19	22,235	344	150,604	332	2	10	15,005	576,819	812,278
Colorado Springs, Colo.	159	1,446,189	109	71,719	822	489,337	748	57	17	202,039	798,527	1,840,642
Columbia, Pa	142	2,403,571	86	61,522	2,729	968,288	1,728	729	272	160,051	2,837,765	4,729,477
Columbia, S. C	92	5,277,306	87	108,021	3,250	759,200	2,140	569	541	330,626	2,474,628	4,243,030
Columbia, Tenn	167	574,789	34	24,556	648	198,636	502	108	38	43,985	775,165	1,221,168
Columbia City, Ind	60	340,995	16	12,704	254	109,313	205	43	6	30,112	486,937	748,007
Columbus, Ga	134	5,687,392	196	192,655	4,810	1,200,360	2,777	1,591	442	409,280	3,530,786	6,031,699
Columbus, Ind	94	2,637,825	155	116,356	1,347	522,427	1,279	59	9	194,312	1,595,644	2,933,662
Columbus, Miss	57	610,431	29	19,635	534	138,639	428	74	32	35,912	382,498	753,539
Columbus, Ohio	914	25,392,136	1,759	1,644,304	17,066	7,718,824	14,528	2,269	269	4,014,022	20,194,532	39,666,848
Concord, N. H	298	4,811,982	162	144,051	3,101	1,612,966	2,776	321	4	412,129	2,563,967	5,357,408
Concord, N. C	32	2,040,351	38	35,049	1,953	410,215	1,095	488	370	61,304	1,162,109	1,981,411
Concordia, Kans	48	98,619	3	1,820	98	43,570	85	12	1	8,081	153,610	254,570
Conneaut, Ohio	68	595,115	31	35,375	651	285,634	542	109	.....	36,192	540,956	1,008,423
Connersville, Ind	68	1,880,511	105	94,505	1,455	589,095	1,393	43	19	153,537	1,485,962	2,598,420
Connellsville, Pa	121	1,283,667	57	45,230	916	495,761	831	65	20	50,344	1,449,338	2,380,137
Conshohocken, Pa	55	3,957,818	129	178,180	1,951	896,797	1,525	359	67	219,482	2,303,063	4,454,230
Coraopolis, Pa	20	471,294	41	69,436	397	171,916	295	77	25	35,336	305,093	731,840
Corinth, Miss	38	441,689	39	47,800	476	151,657	335	126	15	27,875	383,877	759,542
Corinth, N. Y	23	71,930	2	550	67	22,411	33	30	4	3,225	40,047	81,722
Corning, N. Y	138	2,212,109	135	154,442	1,965	870,770	1,688	256	21	109,733	1,429,473	3,061,172
Corpus Christi, Tex	39	75,770	3	2,520	80	32,210	67	7	6	5,541	73,157	165,589
Corry, Pa	109	830,727	36	28,318	585	255,129	524	56	5	65,053	498,058	1,061,464
Corsicana, Tex	118	929,030	53	42,731	508	262,292	453	40	15	54,812	1,362,281	2,147,116
Cortland, N. Y	118	2,857,094	123	128,691	1,629	715,749	1,405	221	3	128,044	1,973,877	3,456,262
Coshocton, Ohio	48	806,023	127	108,300	1,088	339,120	674	409	5	66,647	778,215	1,438,912
Council Bluffs, Iowa	198	1,176,408	126	110,013	1,179	609,905	1,034	121	24	160,871	1,224,814	2,596,830
Coventry, R. I	34	1,808,570	21	34,650	1,335	465,321	747	453	135	52,115	947,899	1,645,699
Covington, Ky	404	4,754,786	218	215,860	3,972	1,555,089	3,066	760	146	835,445	3,107,926	6,303,032
Coxsackie, N. Y	36	499,385	21	20,320	353	170,684	278	62	13	40,128	233,367	559,854
Cranston, R. I	38	1,884,867	49	72,660	644	326,790	588	53	3	440,164	691,408	1,603,464
Cresco, Iowa	55	135,030	6	1,425	96	34,910	88	5	3	7,554	168,183	294,772
Creston, Iowa	103	398,925	29	22,295	418	177,476	370	48	.....	29,743	344,910	688,739
Cripple Creek, Colo	127	342,256	34	31,370	400	336,591	352	44	4	64,471	714,016	1,417,846
Crawfordsville, Ind	71	402,497	38	29,668	318	133,502	274	42	2	43,765	343,241	735,536
Crookston, Minn	60	761,047	22	15,040	349	191,410	334	13	2	59,071	635,330	1,102,064
Cumberland, Md	142	2,946,748	176	131,085	1,992	815,503	1,800	153	39	218,955	2,006,710	3,526,422
Cumberland, R. I	27	4,488,459	35	52,931	1,688	660,997	998	585	105	53,425	656,578	1,969,553
Cuero, Tex	37	187,598	8	7,600	86	35,113	76	10	.....	9,080	118,191	224,709
Cuyahoga Falls, Ohio	27	906,439	38	42,340	522	253,292	507	14	1	58,794	921,147	1,462,767
Dallas, Tex	373	6,897,015	540	547,271	3,756	1,852,485	2,947	618	191	665,954	6,270,870	11,480,499
Dalton, Ga	28	734,234	26	17,205	752	127,750	302	224	226	28,239	981,967	1,365,159
Dalton, Mass	33	1,724,823	53	85,633	848	351,101	423	414	11	143,454	726,946	1,619,191
Danbury, Conn	283	3,636,619	168	146,665	4,296	2,017,155	3,004	1,276	16	406,556	3,542,000	7,213,555
Dansville, N. Y	78	446,469	22	19,579	253	87,944	166	86	1	38,204	246,940	490,007
Danvers, Mass	90	1,398,834	51	53,671	974	439,432	760	197	17	89,659	1,756,846	2,654,936
Danville, Ill	174	1,585,156	53	50,238	1,257	598,624	1,072	162	23	97,207	1,433,006	2,616,515
Danville, Pa	92	2,836,268	74	75,998	2,414	855,306	1,968	209	237	227,030	2,759,707	4,317,776
Danville, Va	139	5,832,258	248	182,695	5,143	1,040,820	2,605	1,585	953	678,040	5,187,771	8,103,484
Darby, Pa	45	1,363,579	24	28,259	744	270,921	287	293	164	78,366	570,333	1,152,278
Davenport, Iowa	416	10,774,707	458	455,082	4,348	1,892,737	3,330	859	159	855,397	6,854,677	11,573,670
Dayton, Ky	59	193,690	4	2,440	236	86,218	147	86	3	6,903	125,112	314,610
Dayton, Ohio	1,096	28,027,518	1,455	1,570,994	16,869	7,959,792	13,576	3,143	150	3,295,885	16,800,911	35,697,695
Dayton, Tenn	21	621,268	11	6,160	606	134,030	600	2	4	20,272	952,783	1,332,591
Dayton, Wash	47	274,665	9	8,100	69	40,645	65	4	.....	13,947	430,941	573,516
Decatur, Ala	24	229,807	10	7,052	198	54,650	189	4	5	7,574	108,799	237,265
Decatur, Ill	239	3,632,263	268	220,109	2,313	994,659	1,956	340	17	219,713	3,690,802	5,896,492
Decatur, Ind	83	389,040	20	15,898	341	128,181	292	44	5	32,386	320,002	656,430
Decorah, Iowa	85	318,540	8	5,491	174	75,619	144	29	1	23,762	221,213	442,315

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Dedham, Mass	96	$777,098	15	$12,431	678	$305,824	516	151	11	$43,846	$657,550	$1,260,125
Defiance, Ohio	100	1,141,426	51	50,116	936	356,951	816	116	4	87,931	814,712	1,609,834
Dekalb, Ill	83	2,008,462	59	52,692	1,064	491,094	957	79	28	164,038	2,579,378	3,858,416
Delaware, Ohio	69	566,596	48	36,643	655	248,446	505	148	2	57,188	351,467	846,645
Delphi, Ind	54	234,026	8	3,589	183	76,889	157	23	3	12,856	164,116	326,876
Delphos, Ohio	59	369,524	10	6,801	286	119,202	266	19	1	37,197	225,928	519,730
Denison, Tex	87	1,212,851	61	43,054	779	402,070	725	44	10	49,287	468,848	1,017,613
Dennison, Ohio	33	378,143	57	43,641	892	524,693	878	14	.....	73,480	584,396	1,295,334
Denver, Colo	1,474	30,883,046	1,139	1,243,703	10,926	6,824,003	9,561	1,275	90	2,409,785	24,572,199	41,368,698
Depere, Wis	48	854,321	15	19,110	360	115,730	209	145	6	35,489	689,331	980,800
Derby, Conn	84	4,328,442	72	112,427	2,311	1,116,078	1,696	580	35	302,878	1,304,256	3,456,561
Derby, Vt	19	215,924	10	9,490	184	71,200	181	.....	3	7,101	351,220	531,462
Derry, N. H	26	344,504	11	11,250	887	359,089	580	307	.....	26,892	1,268,872	1,745,489
Des Moines, Iowa	494	7,911,764	730	596,750	4,557	1,942,509	3,640	817	100	894,691	4,975,568	10,488,189
Detroit, Mich	2,847	71,751,193	5,448	5,042,299	45,707	18,718,081	33,943	10,469	1,295	10,844,958	52,349,347	100,892,838
Dixon, Ill	111	4,801,007	143	178,574	2,778	1,426,275	2,021	700	57	262,491	3,447,640	5,624,709
Dover, N. H	184	6,784,230	109	142,989	3,289	1,450,278	2,167	1,106	16	374,052	3,624,068	6,311,158
Dover, N. J	56	951,695	61	45,389	1,367	657,548	1,177	150	40	44,383	710,248	1,804,850
Dowagiac, Mich	71	1,215,933	73	55,316	667	333,495	639	26	2	103,828	601,115	1,389,216
Dubois, Pa	56	1,513,316	40	36,354	893	355,925	846	35	12	89,756	1,229,312	1,926,391
Dubuque, Iowa	460	8,117,358	579	455,306	5,503	2,012,153	4,242	1,150	111	1,028,245	5,930,017	10,952,204
Dudley, Mass	18	1,978,291	30	45,690	1,195	437,177	675	436	84	108,027	1,018,132	1,661,978
Duluth, Minn	433	8,872,940	245	245,448	3,998	2,145,444	3,682	275	41	572,266	5,861,499	10,628,957
Dunkirk, N. Y	86	4,226,495	122	121,655	2,615	1,374,017	2,449	108	58	324,324	3,084,197	5,393,053
Dunmore, Pa	53	1,336,477	66	60,458	893	354,922	711	138	44	180,467	662,486	1,472,675
Duquesne, Pa	19	14,358,059	77	88,877	1,497	1,075,152	1,493	.....	4	435,881	14,611,842	20,365,667
Duquoin, Ill	48	279,945	21	13,750	104	44,177	91	9	4	36,902	198,124	359,058
Durham, N. C	82	1,727,205	151	253,619	2,787	535,289	1,184	1,265	338	2,367,522	2,502,449	7,084,540
Dyersburg, Tenn	36	532,375	23	15,600	233	83,364	225	4	4	27,198	397,782	638,926
East Chicago, Ind	17	2,768,122	63	85,405	1,448	627,855	1,441	.....	7	92,211	1,723,381	3,055,689
East Greenwich, R. I	46	443,701	20	22,159	355	140,346	253	90	12	23,864	312,869	663,416
East Haddam, Conn	27	390,850	6	3,400	337	104,754	179	153	5	73,616	209,940	482,649
East Hampton, Mass	63	2,300,366	45	93,021	1,714	658,933	914	776	24	113,403	1,452,605	2,669,753
East Hartford, Conn	56	866,125	21	32,353	439	212,424	359	79	1	82,460	475,047	923,769
East Liverpool, Ohio	162	5,056,198	294	292,185	4,473	2,150,938	3,328	1,107	43	341,135	1,759,408	5,459,043
East Mauch Chunk, Pa	21	301,135	3	3,016	383	76,257	177	167	39	66,965	478,844	685,394
Easton, Mass	46	1,244,991	28	30,042	706	310,994	588	89	29	23,910	803,925	1,523,467
Easton, Pa	285	4,829,879	180	130,082	3,912	1,516,525	2,684	945	283	485,029	3,794,496	6,746,078
East Orange, N. J	167	2,311,585	161	197,660	1,354	724,495	1,166	187	1	350,162	1,583,435	3,463,141
Eastport, Me	62	3,037,366	69	61,838	2,213	479,805	1,218	697	298	48,714	1,020,605	1,905,808
East Providence, R. I	48	2,261,080	48	52,930	901	366,729	661	240	.....	265,293	4,341,767	5,487,101
East St. Louis, Ill	183	10,466,412	274	290,088	5,642	2,624,749	5,293	111	238	609,809	28,300,150	33,559,611
East Tawas, Mich	23	193,176	10	3,300	71	25,636	58	11	2	14,758	61,713	170,310
East Windsor, Conn	26	751,474	12	18,829	361	158,775	249	94	18	224,571	541,571	1,016,216
Eaton Rapids, Mich	40	124,037	4	2,379	90	30,232	61	29	.....	8,418	156,541	246,919
Eau Claire, Wis	148	4,756,338	127	137,915	1,858	726,565	1,659	155	44	298,327	2,491,102	4,366,230
Edinburg, Ind	26	160,503	2	1,500	117	41,920	109	6	2	6,404	66,648	160,720
Edwardsville, Ill	59	187,414	8	7,500	147	70,610	141	6	.....	12,005	285,305	457,466
Elgin, Ill	209	8,603,283	158	191,584	4,764	2,249,009	2,860	1,787	117	450,773	2,953,582	7,161,637
Elizabeth, N. J	419	15,665,545	564	731,152	10,497	6,024,497	9,580	856	61	1,351,411	9,882,821	20,546,468
Elkhardt, Ind	142	2,901,541	222	167,604	2,324	1,097,741	2,037	278	9	468,438	2,065,031	4,283,746
Ellenville, N. Y	59	353,768	5	3,856	248	88,338	181	52	15	27,767	211,167	413,078
Ellsworth, Me	82	696,999	24	14,412	452	185,292	374	78	.....	24,941	482,746	808,868
Elmira, N. Y	362	7,365,534	315	276,897	4,914	1,965,056	3,504	1,243	167	486,960	4,961,635	8,558,786
Elmwood Place, Ohio	23	770,096	24	33,500	301	153,168	298	1	2	8,227	441,813	743,536
El Paso, Tex	136	4,550,604	86	118,450	2,171	1,086,517	2,107	54	10	523,095	6,371,489	8,346,045
Elwood, Ind	135	4,513,128	107	114,330	2,958	1,781,752	2,574	176	208	175,187	6,999,786	9,929,311
Elyria, Ohio	76	1,778,819	94	39,379	968	391,841	805	144	19	137,958	999,280	1,760,500
Emporia, Kans	77	232,606	5	3,300	224	101,720	187	31	6	29,361	234,994	474,519
Enfield, Conn	40	4,022,477	63	107,556	1,459	579,853	919	486	54	100,058	1,139,636	2,090,609
Ephrata, Pa	66	370,198	18	7,876	501	130,323	219	232	50	65,227	308,958	634,359
Erie, Pa	644	20,418,016	679	702,343	9,339	4,574,625	8,389	699	251	1,197,411	9,107,305	19,053,202
Etna, Pa	37	3,701,581	34	50,190	1,709	865,992	1,651	8	50	64,848	2,515,585	5,655,269
Evanston, Ill	126	1,564,305	44	35,187	775	430,529	718	49	8	91,894	750,894	1,331,501
Evansville, Ind	705	10,059,375	601	621,332	7,279	2,883,975	5,489	1,652	138	988,542	7,504,660	14,193,320
Everett, Mass	168	6,107,735	138	153,963	2,141	1,068,987	1,987	151	3	702,785	2,725,197	5,038,120
Everett, Wash	84	1,681,549	74	72,254	900	509,009	867	19	14	168,022	1,820,523	2,803,382
Exeter, N. H	104	1,507,485	43	39,265	1,290	582,756	889	383	18	80,757	1,539,743	2,537,896
Fairfield, Conn	42	221,548	7	13,200	130	71,727	120	10	.....	49,276	319,911	538,225
Fairfield, Me	32	788,971	19	16,464	414	134,660	384	29	1	14,840	330,415	552,083
Fairhaven, Mass	47	329,491	13	7,331	318	170,096	284	28	1	22,757	126,508	408,099
Fair Haven, Vt	62	381,736	12	7,805	346	137,056	303	41	2	13,391	213,330	483,858
Fairhaven, Wash	30	1,163,291	18	19,547	1,026	287,493	941	58	27	161,803	1,044,609	1,699,015
Fairmount, Ind	37	272,528	11	11,966	649	343,572	489	54	106	18,517	316,112	833,517
Fairport, N. Y	33	352,871	36	30,849	212	76,064	133	79	.....	14,599	205,328	434,683
Fall River, Mass	785	58,549,934	615	918,442	32,780	11,789,129	17,686	13,374	1,720	3,249,083	19,789,859	43,071,530
Fargo, N. Dak	93	1,092,026	45	40,122	705	383,500	644	53	8	76,352	1,272,753	2,137,802
Faribault, Minn	102	880,867	65	56,090	482	222,234	434	43	5	47,852	2,014,715	2,687,312
Farmington, Conn	38	554,437	26	30,866	553	226,135	405	147	1	54,409	352,143	802,867
Farmington, N. H	57	393,509	12	7,401	505	189,281	311	194	.....	14,918	442,365	736,819

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Fayetteville, N. C.	46	$446,970	33	$17,684	461	$81,424	263	158	40	$15,737	$316,680	$570,127
Fergus Falls, Minn	91	429,254	19	19,688	264	114,367	230	29	5	43,892	685,883	1,062,397
Findlay, Ohio	252	2,152,202	131	99,824	1,478	633,505	1,269	195	14	165,613	1,122,537	2,514,356
Fishkill Landing, N. Y.[1]	38	721,829	20	20,565	436	215,324	331	105	.....	40,570	361,909	681,038
Fitchburg, Mass	308	13,033,898	322	376,675	6,796	3,113,078	4,794	1,757	245	749,165	8,062,713	14,253,522
Flint, Mich	154	2,605,428	93	74,220	2,186	895,186	1,918	259	9	262,543	3,006,436	5,198,827
Florence, Ala	33	871,373	52	39,937	595	177,818	557	1	37	50,370	693,482	1,037,471
Fond du Lac, Wis	188	2,745,438	123	120,886	1,834	677,977	1,410	370	54	239,112	1,895,233	3,386,822
Fort Atkinson, Wis	67	663,698	49	45,967	392	146,511	358	27	7	53,406	346,653	781,299
Fort Dodge, Iowa	88	903,834	89	62,621	527	224,124	427	93	7	38,642	793,266	1,263,385
Fort Fairfield, Me	37	148,225	7	2,290	72	23,365	63	9	.....	4,898	140,163	232,327
Fort Madison, Iowa	83	1,546,574	74	92,388	966	409,351	930	30	6	95,455	870,482	1,737,254
Fort Payne, Ala	17	85,405	6	4,600	88	37,982	84	4	.....	4,206	71,662	155,916
Fort Plain, N. Y	44	457,257	14	10,570	321	105,825	166	146	9	19,889	263,494	497,154
Fort Scott, Kans	97	675,097	32	29,496	535	255,803	470	64	1	39,630	475,668	943,018
Fort Smith, Ark	194	1,131,924	74	72,894	1,012	394,363	861	83	68	123,891	890,191	2,119,062
Fort Wayne, Ind	397	9,203,613	653	631,513	7,255	2,928,969	5,260	1,827	168	730,122	6,597,414	12,525,222
Fort Worth, Tex	209	2,668,045	131	145,904	1,449	845,477	1,349	82	18	392,377	3,348,550	5,332,804
Fostoria, Ohio	92	1,532,627	72	56,918	795	278,529	530	264	1	54,550	2,103,515	2,645,205
Foxboro, Mass	45	308,048	18	20,008	491	221,858	229	262	.....	37,240	359,607	777,219
Framingham, Mass	144	3,092,662	83	75,551	2,475	1,018,339	1,349	1,078	48	187,797	2,010,281	3,714,732
Frankfort, Ind	86	544,645	67	43,268	672	292,349	614	50	8	45,531	786,336	1,411,736
Frankfort, Ky	66	1,594,791	89	83,888	367	161,474	333	28	6	256,229	1,181,326	2,038,125
Franklin, Ind	67	236,700	15	9,328	129	56,188	113	14	2	19,349	287,626	492,687
Franklin, Mass	51	1,823,556	42	48,208	888	397,846	595	277	16	87,325	954,409	1,686,041
Franklin, N. H	92	1,975,868	32	45,294	1,291	493,773	779	466	46	83,301	803,545	1,708,889
Franklin, Ohio	39	448,290	20	19,530	296	119,118	192	104	.....	15,891	521,908	864,036
Franklin, Pa	120	4,523,916	156	271,865	758	354,318	685	62	11	1,506,361	1,826,916	6,046,218
Frederick, Md	133	1,217,702	77	51,968	1,131	252,383	654	314	163	69,893	1,054,449	1,727,094
Fredericksburg, Va	62	759,614	43	32,209	552	147,726	383	138	31	29,369	454,411	810,242
Fredonia, N. Y	41	514,975	45	41,668	210	68,363	91	113	6	34,789	217,440	462,455
Freeport, Ill	167	2,262,680	154	128,835	1,679	748,493	1,570	106	3	298,972	1,575,780	3,348,448
Fremont, Nebr	86	1,096,351	45	30,338	420	203,715	366	47	7	92,278	475,634	956,006
Fremont, Ohio	156	2,616,545	165	188,641	1,504	599,286	1,036	462	6	152,323	1,322,880	2,621,951
Fresno, Cal	159	1,648,138	104	101,021	1,009	518,064	687	305	17	136,761	1,903,800	3,238,217
Fulton, N. Y	68	1,910,181	58	57,814	730	301,017	671	58	1	118,084	905,816	1,607,954
Gadsden, Ala	35	1,184,805	25	25,078	520	165,475	503	9	8	24,180	463,738	848,751
Gainesville, Ga	37	282,712	19	14,350	500	126,097	392	45	63	17,991	448,693	687,129
Gainesville, Tex	76	733,711	33	31,960	338	146,758	312	22	4	55,399	807,208	1,251,291
Galena, Ill	91	390,171	41	28,874	276	89,751	217	51	8	50,216	219,460	462,700
Galena, Kans	61	174,028	6	4,963	182	92,834	161	18	3	12,806	373,520	563,697
Galesburg, Ill	177	1,499,216	123	100,326	1,478	719,605	1,386	86	6	96,191	884,119	2,170,557
Galion, Ohio	65	916,488	55	35,401	891	367,410	858	30	3	63,906	679,921	1,309,129
Gallipolis, Ohio	89	491,907	35	24,602	458	159,479	415	37	6	54,833	368,482	731,063
Galveston, Tex	295	6,073,845	153	183,996	2,058	981,827	1,593	333	132	477,229	2,618,996	5,016,360
Gardiner, Me	79	1,709,577	56	56,696	1,093	495,139	891	202	.....	119,036	1,760,328	2,930,865
Gardner, Mass	118	6,073,152	120	130,892	3,083	1,299,492	2,686	388	9	198,615	2,454,237	4,763,863
Garrett, Ind	28	229,083	32	22,712	354	184,066	343	11	.....	7,906	373,477	623,153
Gas City, Ind	36	1,606,938	68	72,578	1,427	840,747	1,205	101	121	33,487	1,677,224	2,959,187
Geneva, N. Y	161	2,617,661	138	155,489	1,586	689,101	1,258	308	20	235,472	1,913,634	3,366,806
Girard, Kans	37	123,340	6	2,572	218	87,445	191	22	5	23,133	402,568	511,809
Glastonbury, Conn	42	1,388,950	49	53,934	662	302,944	483	150	29	215,514	698,970	1,523,464
Glens Falls, N. Y	162	4,474,907	169	139,914	3,280	1,033,416	1,683	1,574	23	290,980	2,230,408	4,571,253
Gloucester, Mass	392	4,687,559	235	199,436	3,379	1,428,896	2,750	629	.....	349,839	4,862,660	7,343,783
Gloucester City, N. J	74	3,088,922	72	218,294	1,555	535,923	637	674	244	285,658	1,260,002	2,922,242
Gloversville, N. Y	312	5,740,327	247	239,755	8,111	2,536,853	3,565	4,498	48	271,152	5,518,391	9,647,167
Goldsboro, N. C	46	620,932	39	33,462	507	123,399	407	44	56	26,336	677,409	1,086,334
Gorham, Me	26	78,508	1	414	34	12,538	31	3	.....	3,712	50,442	90,468
Goshen, Ind	133	1,596,928	149	106,436	1,112	412,752	908	194	10	162,913	1,475,939	2,521,242
Grafton, Mass	49	1,938,007	42	56,398	1,256	466,729	672	508	76	94,403	927,957	1,708,342
Grand Forks, N. Dak	77	829,104	37	33,430	321	227,047	263	55	3	64,235	479,650	1,084,766
Grand Haven, Mich	56	576,910	23	15,324	533	194,473	466	37	30	49,427	417,929	826,165
Grand Island, Nebr	104	989,396	31	26,440	465	227,656	372	77	16	56,469	445,681	899,195
Grand Rapids, Mich	824	23,433,760	1,197	1,166,472	14,861	5,904,670	12,625	1,613	123	1,950,456	12,348,978	24,824,042
Grand Rapids, Wis	66	1,260,534	35	34,216	503	174,641	462	29	12	64,542	671,146	1,129,078
Great Barrington, Mass	94	1,436,391	37	49,567	1,010	415,547	742	247	21	108,012	832,032	1,671,574
Great Falls, Mont	74	1,409,694	66	88,443	624	469,513	580	9	35	185,628	1,642,689	2,558,538
Green Bay, Wis	191	3,383,717	117	112,069	1,719	702,829	1,466	210	43	257,838	1,749,046	3,469,160
Greencastle, Ind	68	199,694	12	8,943	145	58,087	127	18	.....	15,887	216,788	395,398
Greencastle, Pa	26	48,526	1	100	61	19,476	39	17	5	3,989	49,673	94,622
Greenfield, Ind	59	402,936	53	25,454	383	195,512	299	51	33	31,988	357,774	761,222
Greenfield, Mass	141	1,725,880	99	95,080	1,223	551,550	997	198	28	95,786	884,443	2,093,352
Green Island, N. Y	46	2,472,997	65	84,224	933	470,980	788	139	6	105,568	1,029,273	1,992,098
Greensboro, N. C	79	1,711,629	87	65,143	1,587	295,820	1,061	320	206	152,048	1,015,571	1,790,523
Greensburg, Ind	76	353,430	29	21,984	324	123,982	278	39	7	52,619	725,562	1,107,694
Greenville, Mich	90	542,117	39	41,832	388	170,356	346	40	2	82,346	452,764	851,688
Greenville, N. H	15	728,004	5	7,609	477	167,501	322	135	20	30,362	446,029	685,010
Greenville, Ohio	97	349,412	16	8,488	330	109,192	222	106	2	24,991	377,601	642,503
Greenville, Pa	79	1,998,509	48	39,589	999	544,612	916	70	13	65,003	1,116,066	1,900,471
Greenville, S. C	64	2,858,388	55	63,418	2,153	370,392	1,178	483	492	94,417	1,414,574	2,224,990

[1] Given as Fishkill-on-Hudson in 1890.

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Greenville, Tex	65	$528,607	23	$15,970	240	$101,247	226	12	2	$47,440	$299,069	$603,050
Greenwich, Conn	74	1,453,496	55	61,104	915	408,556	811	93	11	91,999	764,776	1,541,938
Gretna, La	16	2,774,077	72	67,878	791	196,014	785	.....	6	118,210	3,572,492	4,075,787
Griffin, Ga	29	1,407,562	28	27,969	1,021	229,790	522	263	236	44,981	561,874	1,079,133
Grinnell, Iowa	81	812,940	33	23,207	334	145,664	270	64	.....	37,045	426,632	1,004,642
Griswold, Conn	30	2,175,383	16	33,064	813	329,266	598	176	39	123,772	505,748	1,173,969
Groton, Conn	16	59,070	6	4,800	94	55,820	92	2	.....	6,032	88,781	197,106
Groveland, Mass	11	798,941	8	7,700	415	172,308	243	127	45	34,119	594,025	857,736
Guilford, Conn	41	247,715	5	2,350	182	89,545	140	37	5	7,561	119,083	293,400
Guthrie, Okla	85	415,240	40	32,100	346	139,077	298	43	5	36,706	430,869	837,374
Guttenburg, N. J	43	302,807	8	7,244	125	85,670	120	4	1	62,093	116,433	344,531
Hadley, N. Y	6	101,297	4	4,800	72	24,578	72	.....	.....	1,527	32,018	75,822
Hagerstown, Md	203	1,375,281	96	52,279	1,873	502,307	929	859	85	92,802	1,454,929	2,465,507
Hallowell, Me	38	1,029,678	34	48,760	642	314,614	526	116	.....	127,595	634,957	1,247,687
Hamburg, Pa	62	416,757	11	6,704	369	113,515	242	94	33	20,950	383,291	627,209
Hamden, Conn	25	801,581	34	46,913	494	204,010	398	89	7	35,611	373,190	757,239
Hamilton, Ohio	222	12,575,821	325	413,632	5,850	2,626,084	5,027	758	65	803,481	5,535,568	12,003,316
Hammond, Ind	52	6,326,907	291	331,388	2,738	1,265,521	2,215	519	4	491,449	20,277,354	25,223,536
Hampton, Va	40	189,377	13	7,024	217	110,352	208	6	3	57,477	315,196	578,486
Handsboro, Miss	5	155,221	6	5,900	133	34,280	124	.....	9	4,070	127,833	213,844
Hannibal, Mo	172	1,890,718	145	117,305	1,420	611,859	1,189	216	15	141,634	1,890,909	3,025,349
Hanover, Pa	85	766,387	38	20,513	849	262,267	524	309	16	78,399	557,542	1,153,492
Hardwick, Mass	16	1,442,618	14	23,550	755	289,932	500	209	46	72,438	691,354	1,173,776
Harriman, Tenn	38	473,018	33	21,707	325	87,231	295	9	21	14,408	449,311	615,441
Harrisburg, Pa	446	8,749,516	404	391,086	7,362	2,949,544	5,435	1,812	115	646,950	9,402,516	16,064,597
Harrison, N. J	79	5,210,605	207	237,807	2,983	1,463,265	1,975	911	97	385,948	3,297,663	6,331,783
Harrisonburg, Va	55	521,573	12	15,352	244	78,553	227	8	9	30,187	458,558	682,654
Hartford, Conn	888	30,500,047	1,267	1,475,519	13,363	7,603,809	11,597	1,698	68	3,375,585	14,103,167	31,145,715
Hartford City, Ind	100	1,079,461	49	47,490	950	573,227	822	63	65	56,324	765,340	1,747,090
Harvey, Ill	55	2,582,255	190	180,602	1,581	714,940	1,388	119	74	132,428	1,318,415	2,812,592
Hastings, Mich	57	350,792	14	12,935	347	125,772	269	78	.....	37,413	382,962	691,046
Hastings, Minn	59	238,372	12	10,022	172	70,764	158	11	3	36,872	1,024,625	1,270,209
Hastings, Nebr	111	425,794	6	5,280	337	149,265	243	87	7	35,409	340,094	720,615
Haverhill, Mass	685	6,801,565	501	380,014	10,600	5,035,882	7,270	3,274	56	1,336,232	15,628,972	24,937,073
Haverhill, N. H	44	257,007	20	4,730	170	63,103	162	7	1	8,940	215,528	334,519
Haverstraw, N. Y	110	1,306,235	20	15,753	1,174	510,864	1,116	45	13	177,327	405,601	1,366,158
Havre de Grace, Md	38	831,464	21	17,150	674	332,348	458	144	72	16,491	913,676	1,372,420
Hawley, Pa	28	716,842	12	11,200	448	140,953	288	88	72	21,825	587,627	809,724
Hazelton, Pa	141	1,488,290	78	53,241	1,049	341,769	557	396	96	166,935	520,222	1,478,503
Hearne, Tex	11	149,918	8	6,268	101	27,469	101	.....	.....	23,797	152,652	252,218
Helena, Ark	43	563,146	28	29,667	272	108,702	250	18	4	44,893	437,047	821,011
Helena, Mont	127	1,097,204	66	76,474	566	374,120	458	100	8	96,664	705,776	1,544,485
Henderson, Ky	107	2,913,716	86	68,601	1,475	392,452	867	427	181	199,590	1,842,397	2,915,539
Herkimer, N. Y	73	1,836,979	49	81,664	1,344	515,627	1,016	300	28	159,725	940,818	2,053,605
Hiawatha, Kans	45	111,280	1	500	84	34,256	68	16	.....	9,875	85,822	183,816
High Point, N. C	47	834,673	47	38,918	1,116	205,009	875	95	146	72,386	617,434	1,178,715
Hillsboro, Ohio	48	331,539	28	29,029	293	114,135	260	33	.....	18,140	305,399	574,988
Hillsboro, Ill	27	75,900	2	920	53	17,788	44	9	.....	5,367	45,994	101,429
Hillsdale, Mich	88	606,278	33	28,555	332	152,337	237	93	2	27,701	1,047,550	1,384,462
Hinsdale, Mass	14	340,045	6	8,684	250	88,395	153	84	13	19,602	275,638	434,627
Hoboken, N. J	399	8,331,015	420	510,166	6,443	3,076,235	4,698	1,377	368	878,470	5,724,626	12,092,872
Hollidaysburg, Pa	38	167,649	11	7,051	197	77,736	183	12	2	8,931	190,979	332,022
Holton, Kans	60	163,649	13	5,280	104	36,347	79	23	2	11,021	88,039	201,585
Holyoke, Mass	433	26,760,031	628	843,399	13,454	5,730,998	7,705	5,150	599	1,976,024	13,673,969	26,283,964
Homer, N. Y	36	495,611	10	5,930	280	108,274	214	66	.....	16,750	275,992	622,890
Homestead, Pa	52	2,591,815	87	86,113	1,030	439,247	1,006	16	8	59,737	725,729	1,444,245
Honesdale, Pa	71	1,357,399	60	51,694	680	238,684	350	270	60	90,242	714,659	1,235,425
Honolulu, Hawaii	119	2,964,332	146	224,866	1,708	976,784	1,641	38	29	201,958	2,426,046	4,613,125
Hoosick Falls, N. Y	57	3,070,843	75	79,288	1,405	669,893	1,001	402	2	200,366	1,031,421	2,734,861
Hopedale, Mass	4	3,031,796	50	107,181	1,464	790,439	1,458	6	.....	123,682	1,214,395	3,319,747
Hopkinsville, Ky	73	445,770	68	30,747	547	186,346	481	51	15	50,917	514,404	884,913
Hopkinton, R. I	42	831,126	20	17,378	372	125,621	288	77	7	29,180	255,273	506,209
Hornellsville, N. Y	154	1,952,072	129	103,688	1,757	680,974	1,308	436	13	174,055	1,515,287	2,873,670
Horton, Kans	40	589,952	22	19,860	374	196,386	355	14	5	12,721	291,381	555,024
Houston, Tex	509	6,955,350	309	339,990	4,588	2,409,250	4,295	230	63	663,426	5,792,571	10,641,575
Hudson, Mass	74	1,615,132	48	66,321	1,571	769,625	1,051	493	27	154,641	2,440,180	3,621,137
Hudson, Mich	74	395,090	28	18,105	227	106,360	206	21	.....	29,077	311,418	610,152
Hudson, N. Y	144	2,357,304	84	94,590	1,403	591,430	911	462	30	365,163	1,495,636	3,096,759
Hudson, Wis	41	631,920	24	19,552	422	226,001	414	6	2	18,775	926,230	1,261,569
Humboldt, Tenn	30	177,563	17	3,375	188	51,593	184	2	2	13,290	142,616	267,411
Huntingburg, Ind	51	171,854	15	6,583	173	64,329	165	4	4	11,178	232,087	378,440
Huntingdon, Pa	68	1,062,520	81	23,320	550	208,583	367	171	12	82,972	547,414	971,674
Huntington, Conn	64	3,121,834	98	130,927	1,622	701,333	1,142	426	54	219,959	2,267,661	3,917,477
Huntington, Ind	99	956,803	74	45,844	1,238	521,251	1,165	67	6	45,923	1,106,697	1,922,329
Huntington, W. Va	89	2,286,230	87	71,905	1,861	871,708	1,779	74	8	117,075	2,598,937	3,873,432
Huntsville, Ala	79	1,877,781	53	51,808	1,203	283,575	684	282	237	152,637	890,118	1,728,711
Hutchinson, Kans	140	1,151,138	47	35,476	703	279,188	614	86	3	81,740	1,216,951	1,907,370
Hyde Park, Mass	127	3,740,053	109	155,929	2,792	1,317,684	2,077	696	19	157,816	2,747,589	5,007,409
Ilion, N. Y	47	2,172,209	58	60,826	1,946	1,185,975	1,838	100	8	230,485	564,422	2,944,655
Independence, Iowa	57	312,405	8	5,060	159	57,375	129	21	9	14,766	163,291	314,179

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Independence, Kans..	61	$210,375	12	$6,910	183	$62,658	118	45	20	$14,490	$258,555	$416,991
Independence, Mo....	64	505,645	29	35,737	220	100,982	184	29	7	39,775	604,002	886,354
Indianapolis, Ind.....	1,910	36,828,114	2,636	2,445,785	25,511	10,882,914	21,181	4,065	265	5,389,394	42,055,634	68,607,579
Iowa City, Iowa	129	1,003,969	148	70,399	680	299,314	536	131	13	89,077	781,780	1,511,065
Ipswich, Mass.....	64	826,419	18	24,216	843	382,277	471	341	31	142,446	481,386	1,194,826
Ironton, Ohio.....	112	3,321,219	98	108,457	1,758	767,394	1,670	84	4	178,236	3,299,905	5,715,112
Ironwood, Mich	47	163,090	2	1,720	134	66,288	118	16	.....	8,371	103,224	250,463
Irvington, N. J	60	365,503	15	16,145	331	139,485	290	40	1	67,301	1,188,248	1,773,558
Ishpeming, Mich	55	192,887	5	6,600	191	97,256	165	24	2	17,540	186,010	404,916
Ithaca, N. Y	194	2,998,057	133	98,377	1,286	631,984	1,116	169	1	149,945	1,114,845	2,535,151
Jackson, Mich	291	4,617,656	389	362,462	4,206	1,666,680	2,914	1,270	22	480,757	4,223,891	7,587,526
Jackson, Miss.....	83	953,508	82	60,459	735	263,645	676	50	9	84,053	1,075,845	1,724,395
Jackson, Ohio	43	454,008	14	11,365	147	60,363	128	16	3	16,899	256,791	510,111
Jackson, Tenn.....	84	1,123,632	112	83,234	1,205	467,340	1,074	125	6	75,371	847,514	1,894,149
Jacksonville, Fla	195	2,068,663	119	106,241	1,602	645,921	1,473	97	32	153,295	1,007,924	2,312,209
Jacksonville, Ill	174	1,505,725	138	109,895	1,436	596,189	1,140	254	42	179,043	1,183,693	2,385,547
Jamestown, N. Y	178	8,552,470	386	474,249	4,685	1,800,192	3,201	1,268	216	583,097	4,096,302	8,218,922
Janesville, Wis	184	2,630,833	179	129,127	1,710	685,842	1,278	393	39	249,911	1,980,411	3,670,820
Jasper, Ind	42	162,328	8	3,010	202	80,124	193	7	2	10,412	142,128	297,600
Jefferson, Tex.....	21	395,904	27	20,820	335	94,367	324	6	5	16,006	292,638	498,462
Jefferson, Wis.....	66	629,658	24	19,010	370	129,299	335	33	2	36,970	513,591	828,924
Jefferson City, Mo	99	1,627,434	179	179,345	455	169,124	350	65	40	589,999	2,279,573	3,361,998
Jeffersonville, Ind	78	2,695,007	78	121,410	1,802	877,275	1,779	19	4	143,146	2,579,034	4,099,209
Jersey City, N. J	965	80,327,678	1,676	2,095,778	19,499	9,126,042	14,996	4,139	364	6,528,570	52,254,465	77,225,116
Johnson City, Tenn...	45	1,239,406	34	26,598	549	121,334	494	8	47	29,383	607,688	1,046,537
Johnston, R. I	18	2,026,139	43	45,732	729	230,348	318	345	66	88,745	1,924,454	2,619,146
Johnstown, N. Y.....	214	3,695,819	130	119,696	3,884	1,248,587	1,977	1,877	30	300,845	3,130,043	5,480,072
Johnstown, Pa.....	248	16,940,450	394	449,133	6,116	3,213,189	5,918	98	100	1,922,080	14,445,126	22,559,890
Joliet, Ill.....	455	15,452,196	407	359,105	6,523	3,957,529	6,271	213	39	1,718,339	17,891,836	27,765,104
Joplin, Mo	123	1,411,495	52	53,808	951	516,080	875	66	10	110,962	1,854,817	2,961,793
Junction City, Kans...	66	229,677	3	2,400	184	83,776	145	30	9	13,252	449,507	652,861
Kalamazoo, Mich	268	5,796,195	513	443,407	4,293	1,617,299	2,990	1,267	36	624,914	4,267,010	8,056,908
Kankakee, Ill.....	125	900,739	31	38,136	893	377,863	792	86	15	90,126	578,303	1,334,702
Kansas City, Kans	492	18,633,475	2,075	1,918,251	10,544	4,886,259	9,384	812	348	2,643,077	70,386,491	82,768,943
Kansas City, Mo.....	1,797	26,437,307	1,514	1,449,221	15,381	7,783,652	11,814	3,268	299	3,545,069	18,214,198	36,527,392
Kaukauna, Wis	71	1,315,646	37	41,514	667	300,827	619	45	3	97,158	803,552	1,424,047
Kearney, Nebr.....	84	379,769	18	12,260	364	120,890	209	105	50	22,793	248,223	498,586
Kearney, N. J	33	2,097,861	33	47,520	1,102	417,985	607	333	162	127,612	1,081,948	1,845,587
Keene, N. H	160	2,305,729	115	98,536	1,832	842,373	1,453	350	29	131,557	1,682,221	3,083,149
Kendallville, Ind.....	39	753,180	29	25,165	407	150,511	387	18	2	147,333	306,324	936,880
Kennebunk, Me	45	747,024	33	32,970	579	229,176	432	135	12	69,058	485,372	936,399
Kenosha, Wis.....	71	5,946,975	105	187,801	3,149	1,332,380	2,527	347	275	360,411	5,106,209	7,488,366
Kent, Ohio.....	59	723,218	24	18,836	945	405,237	875	69	1	18,195	1,079,937	1,599,562
Kenton, Ohio	95	886,687	59	47,068	653	266,299	592	61	.....	94,815	540,074	1,118,629
Keokuk, Iowa	188	2,103,335	349	436,067	1,665	614,580	1,145	440	80	196,578	1,882,227	3,660,047
Kewanee, Ill.....	89	2,190,263	135	136,932	2,696	1,070,196	2,364	205	127	84,077	2,895,801	4,468,251
Key West, Fla	92	1,839,194	61	85,319	1,069	1,164,885	1,557	410	2	534,388	1,395,072	3,403,607
Killingly, Conn.....	74	2,174,445	35	46,402	1,263	441,033	793	424	46	131,734	811,679	1,705,997
Kingston, N. Y.....	344	3,657,551	169	158,913	2,685	1,245,557	2,161	503	21	327,143	2,560,822	5,280,478
Kittery, Me	8	8,627	.....	.....	9	3,471	9	.....	.....	314	7,662	16,129
Knoxville, Tenn.....	218	5,151,130	268	257,387	4,714	1,473,543	3,096	1,336	282	306,795	3,877,772	6,943,595
Kokomo, Ind	136	2,533,909	134	101,949	1,747	707,688	1,511	224	12	219,510	1,308,399	2,724,859
Laconia, N. H.....	139	1,964,510	42	49,193	1,682	641,306	1,071	595	16	113,970	1,293,192	2,389,202
La Crosse, Wis.....	255	7,230,360	300	310,436	3,009	1,105,985	2,231	733	45	864,006	4,965,850	8,281,749
Lafayette, Ind	234	3,061,476	316	276,644	1,756	767,079	1,388	361	7	286,049	2,322,364	4,310,780
La Grande, Oreg.....	64	609,082	11	10,426	230	130,953	215	14	1	27,343	300,044	560,535
La Grange, Ga	24	956,899	11	11,150	709	131,684	324	174	211	38,405	459,966	783,867
Lambertville, N. J....	70	1,763,221	72	76,407	913	367,959	808	99	6	130,697	1,383,515	2,264,223
Lancaster, N. H.....	52	303,204	12	10,840	195	86,669	175	20	.....	39,586	272,433	507,298
Lancaster, Ohio.....	100	1,537,272	81	68,017	1,287	614,609	865	319	103	97,284	1,197,266	2,219,695
Lancaster, Pa	738	10,803,464	427	398,934	9,349	3,323,748	5,585	2,954	810	1,193,997	8,342,709	16,370,281
Lansford, Pa	24	208,116	3	2,550	283	119,815	270	9	4	3,728	200,274	348,517
Lansing, Mich	164	2,018,219	176	138,613	1,575	647,788	1,358	212	5	188,327	1,364,831	2,827,842
Lansingburg, N. Y....	127	2,957,650	128	261,345	2,940	1,128,803	913	1,968	59	340,503	1,598,204	3,778,277
Laporte, Ind	96	2,849,165	115	117,289	989	379,097	827	159	3	127,086	1,194,572	2,247,659
Laramie, Wyo	29	323,471	14	16,348	390	207,991	380	4	6	29,252	311,548	644,291
Lasalle, Ill.....	81	2,095,850	68	177,736	1,067	524,261	991	43	23	79,042	2,509,284	3,568,947
Lawrence, Kans	128	875,638	86	46,109	946	335,189	776	157	13	67,859	1,174,357	1,842,199
Lawrence Mass	546	49,914,035	681	1,011,243	22,358	8,972,310	12,998	8,542	818	2,210,145	26,175,644	44,703,278
Lawrenceburg, Ind...	51	1,047,246	48	53,635	674	287,888	624	30	20	90,613	1,632,315	2,250,034
Leadville, Colo.....	115	3,632,766	49	75,468	1,376	854,095	1,352	20	4	94,829	5,061,979	6,436,680
Leavenworth, Kans...	220	3,207,111	232	211,761	1,750	833,576	1,556	140	54	252,029	2,822,127	4,721,373
Lebanon, Ind.....	66	258,720	12	6,542	291	105,958	255	31	5	17,004	343,864	588,879
Lebanon, N. H.....	80	1,351,326	45	39,430	747	277,398	468	277	2	41,659	887,600	1,534,628
Lebanon, Ohio.....	72	228,705	6	2,229	179	84,902	159	18	2	9,400	334,820	571,832
Lebanon, Pa.....	219	7,756,390	201	210,477	5,613	2,245,809	4,554	846	213	350,716	6,512,892	10,167,455
Lee, Mass	71	1,209,509	42	59,611	620	274,004	424	195	1	71,200	483,569	1,168,328
Leetonia, Ohio.....	32	2,121,318	34	41,846	496	280,162	488	6	2	102,977	1,943,900	2,725,457
Lehi City, Utah.....	16	1,267,570	10	19,660	73	103,804	70	2	1	53,680	368,847	721,981
Lehighton, Pa	42	648,281	30	22,105	380	99,715	208	135	37	38,955	414,945	691,705

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Leicester, Mass	20	$970,246	13	$16,217	647	$266,210	376	246	25	$39,781	$641,288	$1,063,669
Le Mars, Iowa	69	555,662	16	16,700	190	85,804	170	20	.....	52,658	690,859	956,680
Lemont, Ill	44	390,308	27	26,462	260	103,597	162	71	27	44,033	89,358	324,162
Leominster, Mass	167	3,987,611	158	167,179	3,623	1,600,186	2,439	1,137	47	368,417	2,986,707	5,856,174
Leroy, N. Y	62	1,956,988	158	101,176	430	158,232	334	94	2	262,162	497,716	1,137,210
Lestershire, N. Y	40	1,577,367	53	29,266	1,891	712,333	1,321	520	50	115,039	2,941,777	3,964,112
Lewisburg, Pa	36	389,487	11	7,564	260	82,927	188	72	.....	11,286	310,212	469,221
Lewiston, Me	282	10,984,871	181	202,483	7,159	2,509,030	3,837	3,164	158	596,854	4,103,801	8,581,354
Lewistown, Pa	64	1,011,949	22	21,337	563	223,705	523	31	9	41,760	562,710	984,234
Lexington, Ky	272	1,707,118	167	117,933	1,464	556,613	1,236	200	28	263,536	1,492,152	3,033,007
Lexington, Va	26	49,658	8	3,770	51	16,039	47	4	.....	7,524	28,874	77,564
Lima, Ohio	195	5,437,584	208	166,716	2,223	1,050,780	1,838	384	1	277,408	4,156,028	6,705,136
Lincoln, Ill	88	470,892	36	18,647	323	140,597	279	40	4	48,197	287,892	642,375
Lincoln, Nebr	250	2,608,992	244	207,544	1,736	789,356	1,485	233	18	266,160	2,173,345	4,105,951
Lincoln, R. I	41	6,134,320	43	99,020	2,645	990,769	1,331	1,145	169	105,449	1,817,256	3,748,875
Lisbon, Me	42	2,480,636	37	53,985	998	364,775	702	278	18	141,628	1,038,116	1,820,291
Litchfield, Ill	54	303,967	11	8,750	216	95,558	192	16	8	18,845	99,024	292,278
Little Falls, Minn	52	2,508,745	32	41,705	603	264,555	587	11	5	93,261	1,416,892	2,139,427
Little Falls, N. Y	124	4,020,573	106	120,499	3,112	1,125,777	1,607	1,385	120	298,162	2,361,593	4,364,994
Little Rock, Ark	171	3,434,393	292	249,943	2,751	1,384,722	2,512	191	48	295,156	1,990,081	4,723,118
Littleton, N. H	71	670,392	16	15,942	675	215,877	426	227	22	27,103	568,993	952,829
Lockland, Ohio	56	2,313,049	68	89,977	596	230,750	559	24	13	228,010	1,232,579	2,300,960
Lockport, Ill	41	634,098	24	31,200	255	113,464	240	12	3	37,053	1,168,118	1,434,046
Lockport, N. Y	243	6,250,709	245	238,799	2,699	1,217,672	2,178	504	17	398,660	3,327,109	5,887,905
Logan, Utah	63	279,952	25	13,430	181	62,081	105	65	11	14,453	218,491	375,055
Logansport, Ind	170	1,969,073	78	54,674	1,627	730,494	1,422	187	18	139,096	1,286,651	2,681,784
Lorain, Ohio	59	12,343,937	116	111,880	2,221	1,115,589	2,098	83	40	615,457	6,544,799	9,547,952
Los Angeles, Cal	1,415	11,742,838	939	840,855	8,044	3,992,733	6,389	1,465	190	1,513,393	10,572,660	21,297,537
Louisiana, Mo	75	453,470	38	63,314	319	90,531	220	94	5	233,318	365,794	908,088
Louisville, Ky	2,307	49,334,701	2,893	2,929,141	29,926	10,945,720	23,348	5,175	1,403	13,145,595	41,016,391	78,746,390
Lowell, Mass	981	46,578,193	820	992,781	31,377	11,821,633	17,082	12,986	1,309	4,639,877	21,727,844	44,774,525
Ludington, Mich	61	1,852,865	30	32,195	763	350,674	674	71	18	83,810	1,188,854	2,188,412
Ludlow, Ky	35	462,807	30	21,411	726	382,995	695	27	4	34,381	566,689	1,077,556
Lynchburg, Va	168	3,445,557	111	109,247	2,452	731,206	1,822	446	184	684,713	2,331,380	4,503,037
Lyndon, Vt	38	159,129	39	18,424	71	20,501	54	16	1	24,352	91,049	221,290
Lynn, Mass	776	17,011,761	1,231	980,868	17,492	8,576,042	12,352	5,035	105	2,270,595	25,456,798	41,633,845
Lyons, N. Y	80	713,840	62	27,807	288	119,395	254	33	1	45,061	546,390	881,939
McKeesport, Pa	180	17,876,016	523	497,822	7,605	4,370,381	7,381	96	178	428,226	22,309,161	37,074,136
McKees Rocks, Pa	34	14,990,471	220	90,188	2,055	1,206,476	2,010	2	43	539,720	2,517,940	4,288,935
McPherson, Kans	35	138,602	7	3,200	67	26,410	55	12	.....	7,279	246,630	330,714
Macomb, Ill	73	425,871	32	22,142	364	142,474	314	29	21	28,417	165,899	465,453
Macon, Ga	182	5,076,005	263	272,138	3,700	1,047,437	2,762	669	269	445,078	3,741,167	6,495,767
Madison, Ind	111	1,553,444	74	63,362	1,011	346,832	699	296	16	107,266	1,176,754	2,145,338
Madison, Wis	195	3,840,042	219	178,080	1,805	826,596	1,616	160	29	347,383	1,457,387	3,508,808
Mahanoy City, Pa	99	607,059	31	20,488	474	131,582	270	180	24	119,879	230,275	648,645
Malden, Mass	242	5,906,279	129	133,575	3,082	1,520,658	1,907	1,132	43	790,518	4,607,400	7,959,292
Malone, N. Y	116	593,853	26	19,114	508	201,364	381	125	2	32,610	581,929	985,797
Manchester, Conn	93	7,330,806	137	217,290	3,118	1,370,656	1,870	1,224	24	194,812	3,084,627	5,939,943
Manchester, N. H	577	22,426,125	344	456,258	19,032	7,030,966	10,302	8,236	494	1,548,205	14,755,640	26,607,600
Manchester, Va	36	763,043	63	56,089	923	372,809	781	114	28	56,641	1,178,131	1,746,192
Manhattan, Kans	50	126,820	8	4,770	82	31,382	64	18	.....	9,468	142,411	253,963
Manheim, Pa	58	157,490	9	3,634	334	76,903	138	179	17	36,158	273,015	450,698
Manistee, Mich	140	5,608,707	105	99,194	1,745	772,354	1,687	76	32	265,974	1,840,630	3,886,420
Manitowoc, Wis	135	2,581,869	84	79,525	1,146	427,218	1,044	99	3	230,858	1,018,440	2,268,348
Mankato, Minn	135	1,371,907	92	78,185	683	242,742	503	137	43	87,620	1,513,182	2,242,000
Mansfield, Mass	52	557,480	23	51,314	571	274,840	412	159	.....	25,428	485,531	1,035,804
Mansfield, Ohio	251	5,760,746	354	317,359	3,160	1,217,457	2,460	692	8	307,182	3,195,033	7,084,509
Marblehead, Mass	100	469,859	15	11,476	1,032	411,372	743	289	.....	35,175	811,180	1,410,406
Marietta, Ga	32	697,254	40	34,719	680	179,457	588	24	68	37,974	385,439	762,688
Marietta, Ohio	278	2,189,345	151	122,607	2,183	938,315	1,912	197	44	214,726	1,399,637	3,895,498
Marietta, Pa	37	849,538	30	24,760	674	210,151	492	153	29	33,986	651,529	1,125,701
Marine City, Mich	38	249,362	9	5,620	148	69,582	141	7	.....	14,847	173,740	298,537
Marinette, Wis	103	8,070,648	92	129,727	1,833	713,937	1,693	128	12	329,036	2,495,581	4,659,712
Marion, Ind	163	3,587,672	190	160,149	3,109	1,475,371	2,513	306	290	296,907	2,487,417	5,170,435
Marion, Iowa	55	113,970	2	1,800	79	35,066	62	17	.....	9,627	117,978	244,545
Marion, Ohio	84	3,340,321	132	126,013	1,552	699,065	1,466	64	22	306,033	1,200,756	2,841,903
Marlboro, Mass	142	2,191,860	74	100,752	2,780	1,304,301	1,791	900	89	183,801	3,057,414	4,986,399
Marlin, Tex	40	232,792	2	2,614	93	37,042	87	5	1	13,063	182,550	330,570
Marquette, Mich	78	1,565,390	61	71,416	645	344,930	604	41	.....	186,411	1,128,736	2,005,486
Marshall, Mich	86	461,692	100	37,940	336	144,280	276	59	1	135,842	322,695	820,254
Marshall, Tex	46	892,316	28	28,555	638	383,315	612	16	10	51,300	674,750	1,283,847
Marshalltown, Iowa	147	5,866,270	107	109,286	1,399	654,227	1,306	89	4	190,154	3,120,658	4,587,240
Marshfield, Wis	68	429,525	19	17,740	372	135,354	334	21	17	46,689	349,313	709,144
Martinsburg, W. Va	101	1,633,024	56	46,384	1,105	282,921	606	442	57	113,757	832,551	1,410,514
Martins Ferry, Ohio	50	1,802,871	59	66,888	967	543,416	836	106	25	90,518	1,953,872	2,968,648
Martinsville, Va	22	461,780	51	41,260	810	110,131	403	141	266	304,280	262,233	781,286
Marysville, Ohio	47	179,325	9	5,950	236	82,699	210	25	1	20,506	165,241	347,283
Maryville, Mo	69	180,075	9	3,890	155	66,789	126	24	5	15,489	160,015	333,883
Mason City, Iowa	89	351,868	26	19,336	376	167,211	322	52	2	21,013	330,110	705,460
Massillon, Ohio	134	4,444,400	122	121,335	1,836	914,245	1,677	53	106	172,156	1,563,257	3,404,012

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS, AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Matteawan, N. Y.	43	$1,119,745	40	$97,449	785	$322,633	580	161	44	$77,365	$643,749	$1,224,025
Mattoon, Ill	138	549,525	41	23,072	866	386,980	775	83	8	80,556	550,616	1,232,821
Mauch Chunk, Pa.	34	366,370	15	14,312	323	143,714	294	28	1	22,802	251,282	506,252
Mayfield, Ky.	45	954,448	10	8,040	324	100,992	149	160	15	13,001	373,253	607,499
Maynard, Mass.	43	2,349,645	26	68,517	838	345,480	566	221	51	48,569	833,742	1,534,003
Maysville, Ky.	95	1,125,147	60	50,793	644	194,055	473	100	71	52,770	621,730	1,207,560
Meadville, Pa.	135	1,415,783	97	74,532	1,445	648,020	1,250	194	1	77,057	1,099,379	2,159,110
Mechanicsburg, Pa	58	482,155	25	13,920	444	173,840	358	71	15	22,811	313,820	636,083
Mechanicsville, N. Y.	66	2,652,410	32	74,356	1,150	505,732	898	246	6	261,641	1,014,400	2,186,005
Medford, Mass	141	1,328,106	65	73,862	968	487,793	884	72	12	117,441	896,460	1,907,624
Media, Pa.	40	235,997	5	4,410	170	75,309	162	8	.....	27,418	87,575	279,436
Medina, N. Y.	54	786,744	41	39,661	568	217,835	511	31	26	31,675	510,854	1,032,632
Melrose, Mass	106	3,296,048	84	88,068	1,428	695,422	865	549	14	456,120	2,403,575	3,945,580
Memphis, Tenn	659	11,189,249	513	625,135	8,433	3,641,436	7,660	586	187	1,078,649	9,656,969	17,923,059
Menasha, Wis.	57	3,439,690	48	68,477	1,575	570,019	1,372	147	56	212,065	1,365,592	2,751,270
Menominee, Mich.	90	5,451,446	93	133,565	1,968	912,016	1,895	63	10	287,816	2,615,528	4,685,324
Menominee, Wis.	50	3,498,474	45	47,196	698	323,412	655	15	28	65,637	977,536	1,533,139
Meriden, Conn.	260	16,699,004	435	690,756	7,531	3,702,240	6,021	1,435	75	1,085,142	5,861,612	13,485,640
Meridian, Miss.	119	1,923,590	70	75,151	1,416	555,409	1,241	97	78	131,938	1,700,655	2,980,217
Merrill, Wis.	69	3,520,126	44	67,158	1,694	667,757	1,540	28	126	130,628	2,329,566	4,150,272
Merrimac, Mass.	40	252,812	9	10,140	252	114,739	250	2	.....	16,924	200,791	391,793
Methuen, Mass.	74	1,203,412	21	23,931	726	302,934	457	243	26	81,315	694,506	1,273,920
Metropolis, Ill	44	259,481	9	8,892	243	86,442	176	25	42	16,100	241,357	461,325
Mexico, Mo	84	261,617	10	5,600	194	68,230	155	32	7	23,423	215,074	415,894
Miamisburg, Ohio	66	1,500,248	53	64,199	1,006	400,143	817	170	19	83,122	1,300,713	2,131,005
Michigan City, Ind	82	4,242,355	91	104,119	2,930	1,045,245	2,430	367	133	267,048	4,007,823	6,129,001
Middleboro, Mass.	110	1,034,730	51	34,870	1,081	510,724	845	227	9	101,421	1,293,425	2,298,946
Middleport, Ohio	38	197,039	19	11,204	225	69,325	200	8	17	13,022	154,866	338,312
Middletown, Conn.	188	5,100,485	155	171,400	2,916	1,199,713	1,969	790	157	237,604	2,636,493	4,825,649
Middletown, Ind	23	430,087	7	5,733	267	185,482	264	2	1	19,733	599,597	926,917
Middletown, N. Y.	108	2,060,834	58	58,778	1,553	650,123	1,159	376	18	97,252	1,443,489	2,426,001
Middletown, Ohio	92	4,207,731	264	319,825	1,951	770,656	1,473	467	11	2,112,601	3,056,601	6,665,226
Middletown, Pa	50	2,323,876	48	52,099	1,572	556,818	1,372	129	71	52,608	3,269,223	5,198,286
Milford, Conn	43	365,464	19	22,833	325	137,326	199	116	10	15,447	244,282	502,036
Milford, Mass	129	1,240,782	84	76,202	1,554	773,144	1,102	420	32	103,886	1,636,739	3,071,493
Milford, N. H	77	856,565	36	31,275	646	276,876	494	138	14	74,915	524,790	1,027,824
Millbury, Mass.	54	1,047,897	18	18,240	694	270,862	439	230	25	43,455	579,605	1,082,294
Millvale, Pa	37	319,149	20	13,862	119	70,609	115	2	2	80,649	174,499	466,389
Millville, N. J	47	3,229,206	154	161,398	2,290	1,115,696	1,569	433	288	177,308	964,554	2,610,332
Milton, Mass	58	291,284	10	5,392	335	189,920	290	41	4	33,278	271,787	675,793
Milton, Pa	60	1,950,893	57	58,398	1,421	534,674	1,228	154	39	86,020	1,885,416	2,912,209
Milwaukee, Wis	3,342	110,363,854	4,352	4,481,829	48,328	20,240,656	37,836	7,501	2,991	16,690,165	65,118,719	123,786,449
Minersville, Pa	36	75,177	1	520	84	25,290	35	46	3	11,821	87,705	167,798
Mingo Junction, Ohio.	12	2,921,086	32	72,530	944	566,645	943	1	.....	131,395	5,526,128	7,563,573
Minneapolis, Minn	2,368	57,708,204	2,606	2,428,396	26,608	12,708,523	22,328	4,090	190	5,237,162	78,175,785	110,943,043
Mishawaka, Ind	56	3,942,030	166	260,754	1,761	843,922	1,627	132	2	184,419	1,474,318	3,176,773
Moberly, Mo	84	551,453	45	41,863	766	353,641	717	34	15	42,120	421,410	950,664
Mobile, Ala	222	3,294,238	203	173,810	2,827	1,139,605	2,686	83	58	272,987	2,046,400	4,451,062
Moline, Ill	157	11,165,701	353	385,237	4,438	2,289,722	4,318	67	53	534,861	4,922,344	10,000,282
Monmouth, Ill.	101	1,076,184	73	67,183	817	386,279	750	56	11	60,020	664,843	1,483,535
Monongahela, Pa.	58	805,861	30	25,944	438	288,310	414	17	7	56,285	337,720	841,155
Monroe, Mich.	86	374,889	32	17,317	372	139,505	338	29	5	40,001	324,186	632,495
Monroe, Wis	62	321,026	14	7,838	217	86,813	189	24	4	58,712	200,530	455,899
Monson, Mass.	43	690,481	14	17,850	523	234,606	355	163	5	64,438	410,372	876,123
Montague, Mass	60	2,653,595	47	81,039	1,208	554,186	887	264	57	113,694	847,319	1,985,693
Montclair, N. J	197	1,037,352	30	29,550	1,092	619,079	1,029	62	1	93,462	1,140,753	2,246,817
Montgomery, Ala	163	2,930,782	204	163,537	2,359	802,188	1,856	360	143	342,890	2,902,054	5,085,190
Montpelier, Ind	60	196,862	5	2,900	238	123,080	219	19	.....	9,611	346,119	638,640
Montpelier, Vt	121	950,624	57	53,433	1,019	510,450	919	99	1	66,065	614,969	1,591,958
Montville, Conn	27	1,229,620	32	42,873	655	215,810	420	203	32	50,514	788,588	1,252,067
Moorhead, Minn.	23	134,034	6	4,310	77	39,010	71	3	3	9,525	372,341	490,243
Morris, Ill	103	848,765	27	50,169	521	162,672	454	29	38	126,896	729,675	1,273,095
Mt. Carmel, Ill.	52	249,527	5	3,661	213	83,506	206	6	1	9,460	181,125	285,066
Mt. Clemens, Mich.	78	403,273	20	13,394	328	130,212	312	14	2	48,410	220,980	533,207
Mt. Holly, N. J	61	460,559	28	21,180	493	167,178	286	185	22	34,014	388,130	699,188
Mt. Morris, N. Y.	51	341,799	15	11,560	247	76,412	148	82	17	25,711	313,038	510,129
Mt. Pleasant, Mich.	58	242,593	17	15,716	262	90,626	245	17	.....	18,178	187,163	389,916
Mt. Sterling, Ky	52	253,825	9	6,004	131	35,168	110	19	2	15,059	140,268	263,954
Mt. Vernon, Ill	45	409,489	15	18,304	384	169,898	358	16	10	17,787	976,524	1,249,744
Mt. Vernon, Ind	86	713,217	22	15,112	362	147,567	347	10	5	31,486	999,168	1,382,349
Mt. Vernon, Ohio	93	830,061	62	52,345	853	383,638	799	54	.....	53,773	1,073,247	1,716,532
Muncie, Ind	347	7,793,832	227	319,109	6,294	3,067,748	5,703	448	143	506,279	6,690,155	12,106,648
Murphysboro, Ill	61	504,139	25	25,338	392	176,925	353	15	24	92,474	455,635	896,741
Muscatine, Iowa	247	3,725,971	140	132,675	2,835	1,055,904	2,312	364	159	212,703	3,773,379	5,791,110
Muskegon, Mich.	200	4,602,390	172	153,976	3,235	1,185,697	2,558	560	122	386,488	2,631,279	5,097,059
Nanticoke, Pa	73	328,414	12	6,166	207	73,161	114	42	51	47,646	194,244	399,673
Napa, Cal	76	1,054,634	31	23,030	534	203,857	359	153	22	86,688	795,285	1,245,105
Napolean, Ohio	78	448,500	13	7,395	233	91,822	205	27	1	25,045	295,390	541,572
Nashua, N. H	251	9,587,390	207	204,657	6,442	2,633,398	4,221	2,134	87	574,497	6,470,716	11,037,676
Nashville, Tenn	489	13,173,422	1,048	888,467	8,447	2,889,241	6,360	1,700	387	1,440,394	10,472,173	18,469,823

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Natchez, Miss	48	$1,389,691	47	$38,418	746	$209,556	493	163	90	$130,764	$704,037	$1,270,885
Natick, Mass	154	1,061,320	40	30,149	1,502	726,137	1,089	397	16	146,368	2,094,150	3,298,777
Naugatuck, Conn	75	6.673,684	83	121,944	3,297	1,665,944	2,224	1,041	32	323,884	6,152,981	9,126,199
Nebraska City, Nebr	108	1,576,857	48	54,840	739	269,796	585	143	11	168,662	3,025,177	4,582,554
Neenah, Wis	74	2,183,170	43	47,256	616	278,096	485	123	8	67,774	980,158	1,642,414
Negaunee, Mich	32	68,467	2	480	68	35,874	56	10	2	5,583	57,417	143,432
Nelsonville, Ohio	39	224,179	11	8,190	200	80,115	182	13	5	12,107	117,257	258,148
Nevada, Mo	81	437,924	30	19,405	403	190,292	370	29	4	38,160	693,372	1,046,616
New Albany, Ind	208	2,996,512	110	107,676	2,430	843,680	1,796	596	38	231,771	2,364,138	4,179,496
Newark, N. J	3,339	103,191,403	4,509	5,534,869	49,550	23,999,442	37,094	11,133	1,323	10,050,907	67,105,944	126,954,049
Newark, N. Y	77	555,332	26	14,059	361	123,893	248	101	12	51,418	517,257	900,974
Newark, Ohio	208	1,793,448	158	124,412	2,364	925,443	2,008	281	75	228,797	1,417,157	3,423,186
New Bedford, Mass	618	29,073,410	487	566,457	16,409	6,730,793	9,704	5,759	946	1,703,408	12,727,776	25,681,671
Newbern, N. C	81	1,027,885	45	36,630	1,162	284,952	1,033	93	36	39,476	1,069,070	1,704,251
Newberry, S. C	34	1,336,625	27	19,840	811	175,178	455	206	150	91,724	640,204	1,200,892
New Brighton, Pa	68	2,903,449	90	119,447	1,482	590,589	1,207	200	75	108,677	1,003,463	2,195,552
New Britain, Conn	226	14,115,610	466	545,057	8,438	3,841,117	6,542	1,681	215	956,848	5,074,396	12,269,782
New Brunswick, N. J	193	6,028,086	218	260,992	3,726	1,256,034	2,095	1,442	189	661,944	2,929,882	5,812,757
Newburg, N. Y	253	5,214,536	310	287,839	3,926	1,665,177	2,622	1,223	81	354,456	3,123,590	6,497,088
Newburyport, Mass	195	3,863,199	212	206,247	3,076	1,326,719	2,073	961	42	358,728	3,258,571	5,685,768
Newcastle, Del	31	1,449,395	26	20,285	608	243,724	480	71	57	50,201	1,450,022	1,838,288
Newcastle, Ind	54	363,190	25	21,878	268	90,589	228	40	.....	22,959	288,376	538,513
Newcastle, Pa	216	13,308,220	198	243,689	4,992	3,226,669	4,754	174	64	491,336	13,646,648	21,046,842
New Decatur, Ala	30	1,348,871	56	51,784	1,521	700,196	1,510	4	7	81,286	1,833,549	2,976,919
New Hartford, Conn	27	870,874	14	17,674	1,006	289,244	489	429	88	37,237	626,927	1,089,322
New Haven, Conn	1,236	30,463,066	1,600	1,590,241	20,536	10,016,571	15,393	4,884	259	3,181,004	18,493,593	40,762,015
New Haven, Pa	22	40,401	1	750	46	20,941	39	7	.....	2,203	44,473	90,002
New Holland, Pa	23	76,843	4	3,782	81	23,894	51	26	4	36,196	78,425	165,687
New London, Conn	238	4,522,003	137	131,401	2,658	1,196,218	1,881	761	16	501,879	2,804,536	5,569,615
Newmarket, N. H	29	1,261,519	9	15,429	790	267,124	379	383	28	57,884	575,577	1,044,793
New Milford, Conn	58	783,294	41	47,053	526	253,231	438	84	4	62,530	412,697	907,907
Newman, Ga	27	824,721	29	25,056	456	102,567	360	49	47	43,451	403,963	679,189
New Orleans, La	1,524	46,003,604	1,837	1,819,458	19,435	7,645,167	13,582	5,135	718	4,759,877	43,361,525	63,514,505
New Philadelphia, Ohio	124	859,493	43	35,179	653	482,182	556	92	5	86,576	905,007	1,820,296
Newport, Ky	272	2,848,435	132	142,404	2,561	1,155,361	1,885	639	37	866,620	2,017,773	4,888,169
Newport, N. H	63	610,424	39	37,524	737	278,771	366	371	.....	39,781	789,017	1,274,829
Newport, R. I	290	2,495,679	79	63,356	1,749	1,012,782	1,532	207	10	357,015	1,406,811	3,442,988
Newport, Vt	23	293,336	12	16,016	245	84,837	184	54	7	19,504	353,444	549,522
Newport News, Va	123	14,999,735	144	214,117	5,675	2,556,938	5,303	49	323	297,411	3,369,545	6,976,670
New Rochelle, N. Y	131	3,837,269	54	38,422	715	457,658	676	35	4	118,898	838,829	1,811,332
Newton, Iowa	86	443,133	64	43,165	312	121,843	225	86	1	44,768	244,402	666,727
Newton, Kans	76	868,413	23	18,441	404	201,415	373	30	1	38,751	652,870	982,475
Newton, Mass	297	5,105,196	134	166,646	3,094	1,581,887	2,624	445	25	388,922	3,065,921	6,322,232
Newtown, Conn	29	449,505	12	21,250	312	146,122	290	22	.....	23,737	597,998	878,610
New Ulm, Minn	90	1,097,616	42	55,279	423	183,987	395	25	3	128,660	1,706,462	2,328,347
New Whatcom, Wash.	71	448,219	20	19,618	359	195,394	338	13	8	31,345	293,237	643,931
New York, N. Y	39,776	921,876,081	48,011	55,645,464	462,763	245,021,881	326,299	130,691	5,773	163,170,343	709,109,412	1,371,358,468
Niagara Falls, N. Y	265	14,821,819	398	420,499	3,518	1,690,195	2,951	557	10	862,125	5,511,437	9,909,228
Niles, Mich	78	901,507	34	26,218	620	223,603	502	117	1	29,273	731,415	1,183,793
Niles, Ohio	64	2,745,374	100	95,241	1,641	1,231,629	1,617	24	.....	123,647	3,441,219	5,758,129
Noblesville, Ind	56	1,016,790	28	33,180	593	242,055	566	26	1	50,885	868,981	1,426,287
Norfolk, Va	445	6,425,099	333	266,227	4,334	1,571,229	3,206	1,023	105	701,597	5,283,975	9,397,355
Normal, Ill	21	170,695	7	6,800	124	45,167	91	32	1	76,378	191,753	349,255
Norristown, Pa	210	4,069,449	168	132,100	3,429	1,168,942	1,744	1,458	227	418,854	2,467,861	4,821,745
North Adams, Mass	231	14,563,492	267	472,324	6,796	2,949,010	4,585	1,890	321	836,345	5,410,262	11,682,663
Northampton, Mass	214	2,728,140	103	112,875	2,406	1,140,655	1,795	581	30	274,017	1,974,433	4,193,486
North Andover, Mass	34	1,225,212	34	41,492	873	420,053	717	139	17	70,511	655,002	1,345,589
North Attleboro, Mass	116	2,014,999	156	157,509	2,162	1,160,052	1,458	694	10	137,087	1,609,569	3,990,731
North Baltimore, Ohio	39	193,793	8	7,820	112	49,048	96	16	.....	16,052	100,695	243,882
North Berwick, Me	21	312,279	5	5,500	229	71,006	152	77	.....	23,307	206,230	343,041
Northbridge, Mass	31	3,826,408	44	143,384	2,648	1,130,404	2,106	434	108	77,821	1,140,798	3,028,661
North Brookfield, Mass	51	962,164	33	52,935	1,307	643,835	947	344	16	79,458	2,073,095	3,018,676
Northfield, Vt	56	356,110	11	9,100	276	112,263	209	67	.....	14,983	339,433	561,673
North Kingstown, R. I.	60	1,182,406	30	23,329	508	211,197	360	135	13	38,200	618,450	1,100,426
North Milwaukee, Wis.	20	1,124,214	65	68,441	944	356,298	910	.....	34	64,018	1,244,288	1,942,777
North Plainfield, N. J.	33	142,524	7	6,024	147	77,704	142	2	3	20,829	148,399	312,816
North Smithfield, R. I.	8	958,082	11	19,880	718	183,742	436	248	34	46,938	242,830	534,224
North Tonawanda, N. Y	75	5,026,841	139	149,761	1,718	786,639	1,591	118	9	282,107	4,321,875	6,445,836
Northumberland, Pa	16	238,768	13	6,196	267	74,940	136	122	9	6,766	224,827	360,928
Norwalk, Conn	247	4,129,841	124	150,776	3,172	1,586,509	2,350	791	31	296,075	2,261,195	5,097,720
Norwalk, Ohio	96	995,025	63	57,056	817	394,585	717	91	9	128,038	561,996	1,336,395
Norway, Me	40	368,801	14	13,040	430	166,027	272	158	.....	23,928	540,371	824,900
Norwich, Conn	278	8,566,437	189	238,460	4,411	1,983,600	3,220	1,051	140	619,238	4,321,078	8,388,343
Norwich, N. Y	109	1,308,683	90	79,053	799	330,166	604	191	4	115,134	801,821	1,556,696
Norwood, Mass	53	2,437,949	48	51,832	1,511	859,242	1,321	186	4	208,085	1,823,438	3,348,974
Norwood, Ohio	52	951,314	39	30,743	467	203,138	422	35	10	52,839	430,221	820,892
Nyack, N. Y	88	796,587	61	50,857	719	364,533	553	157	9	85,233	661,966	1,321,237
Oakland, Cal	752	6,364,651	347	319,263	4,012	2,129,598	2,928	919	165	620,459	4,277,647	9,174,257
Oconto, Wis	44	2,021,860	27	31,716	440	201,303	419	19	2	79,607	1,280,541	1,732,887
Oelwein, Iowa	37	614,599	15	10,660	511	279,922	500	10	1	10,081	337,360	674,637

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Ogden, Utah	157	$1,145,404	82	$58,360	869	$472,100	734	102	33	$97,050	$946,719	$1,801,487
Ogdensburg, N. Y	197	1,855,116	96	72,244	1,052	404,955	756	280	16	103,096	1,661,759	2,668,952
Oil City, Pa	158	4,578,237	119	147,572	1,992	1,038,173	1,872	117	3	161,228	4,742,848	6,710,886
Oklahoma, Okla	101	600,039	35	29,613	458	204,769	435	17	6	34,778	735,556	1,241,987
Olathe, Kans	50	125,780	2	1,004	140	60,676	111	19	10	29,456	170,356	339,098
Oldtown, Me	86	1,893,161	50	44,570	1,182	428,018	937	213	32	132,983	1,467,466	2,239,837
Olean, N. Y	152	5,915,740	152	132,928	2,011	935,932	1,914	62	35	274,447	5,009,818	6,624,390
Omaha, Nebr	838	34,478,014	1,026	907,155	7,537	3,804,076	6,209	1,238	90	3,864,988	22,211,573	43,168,876
Oneida, N. Y	104	1,301,431	69	64,752	790	336,266	618	166	6	149,576	842,851	1,613,572
Oneonta, N. Y	111	1,892,250	67	45,605	887	397,815	727	142	18	118,861	1,308,549	2,118,452
Opelika, Ala	30	148,275	22	12,490	214	48,023	206	6	2	10,943	206,280	335,071
Orange, Conn	52	1,017,066	26	34,296	531	252,425	426	87	18	58,522	1,542,471	2,168,435
Orange, Mass	81	2,770,120	82	116,118	1,315	635,682	1,093	207	15	132,429	1,217,293	2,602,253
Orange, N. J	284	1,937,457	77	79,758	2,712	1,428,284	2,287	391	34	232,632	2,259,135	4,694,335
Orange, Tex	18	3,321,868	31	41,495	764	356,005	756	2	6	50,055	924,243	1,666,203
Orangeburg, S. C	34	239,635	7	6,600	284	65,486	199	46	39	15,303	313,582	493,860
Oregon City, Oreg	37	2,733,966	28	108,197	994	367,904	866	102	26	175,062	1,145,674	2,060,173
Orono, Me	28	1,444,080	21	30,023	575	230,836	557	18	.....	92,186	704,991	1,345,535
Orwigsburg, Pa	27	268,522	45	19,706	453	183,189	248	177	28	15,625	406,423	648,223
Osage, Iowa	37	82,090	1	420	68	29,895	53	15	.....	6,795	120,174	202,405
Osawatomie, Kans	29	168,468	16	15,276	418	250,746	412	4	2	6,360	356,038	649,050
Oshkosh, Wis	285	8,018,038	278	268,479	4,587	1,702,410	3,629	620	338	616,564	4,742,744	8,781,248
Oskaloosa, Iowa	143	552,239	49	29,821	588	262,228	477	91	20	67,753	490,982	1,063,584
Ossining, N. Y[1]	137	1,357,816	52	94,593	892	445,238	752	140	.....	166,229	884,942	2,068,458
Oswego, N. Y	207	7,322,907	273	346,689	3,845	1,543,905	2,829	877	139	667,109	4,611,975	8,137,950
Otsego, Mich	28	531,776	24	19,886	458	143,282	319	139	.....	56,385	358,713	663,451
Ottawa, Ill	120	2,788,357	113	122,290	1,233	523,599	1,061	165	7	148,491	855,034	2,042,148
Ottawa, Kans	67	334,970	9	9,041	341	179,551	314	24	3	13,789	406,584	734,965
Ottumwa, Iowa	160	3,403,321	208	177,022	2,095	804,215	1,721	223	151	200,673	7,093,068	9,129,862
Owatonna, Minn	82	434,260	19	16,720	257	108,935	242	14	1	34,582	486,828	788,927
Owego, N. Y	82	1,023,961	53	47,818	402	183,524	374	22	6	38,602	780,769	1,261,161
Owensboro, Ky	159	3,308,056	189	112,767	1,582	424,736	1,198	269	115	215,675	2,060,368	3,446,605
Owosso, Mich	111	1,685,715	81	86,323	1,260	513,275	1,121	104	35	118,087	1,380,506	2,265,498
Paducah, Ky	171	2,689,121	136	108,137	2,305	918,603	1,967	189	149	233,926	1,703,324	3,627,344
Painesville, Ohio	77	513,621	34	27,872	488	165,403	442	43	3	36,914	319,300	693,949
Palmer, Mass	78	3,104,049	63	71,039	3,053	1,251,992	2,228	718	107	143,323	2,575,330	4,483,036
Pana, Ill	66	142,548	6	1,542	106	38,788	91	13	2	14,354	93,381	204,018
Paola, Kans	50	134,660	3	1,500	110	38,784	86	24	.....	16,729	223,237	331,297
Paris, Ill	107	466,252	39	30,722	420	164,745	371	39	10	32,150	569,131	979,075
Paris, Me	35	258,158	12	10,222	320	104,671	305	6	9	16,288	216,752	386,455
Park City, Utah	22	43,714	.....	.....	24	13,531	20	2	2	3,952	23,264	72,172
Parkersburg, W. Va	181	2,682,887	132	117,963	1,683	677,590	1,566	86	31	219,888	2,350,797	3,926,751
Parsons, Kans	83	584,706	17	11,629	631	292,237	570	52	9	34,325	531,447	1,025,409
Passaic, N. J	185	23,279,421	441	654,094	7,102	2,778,278	4,694	2,192	216	1,199,108	7,971,505	14,031,254
Paterson, N. J	995	43,510,481	1,242	1,617,999	30,190	12,812,538	19,242	9,502	1,446	5,059,521	26,882,183	52,287,975
Pawtucket, R. I	534	22,899,187	552	781,628	12,776	5,230,268	7,464	4,343	969	2,040,261	12,933,104	24,080,328
Peabody, Mass	161	4,437,229	148	150,379	2,881	1,384,126	2,703	174	4	245,513	4,583,297	7,261,647
Peekskill, N. Y	153	1,712,335	102	101,886	1,524	751,833	1,095	423	6	121,718	1,024,282	2,339,370
Pekin, Ill	118	2,481 244	69	83,376	787	384,654	764	21	2	9,458,651	1,929,943	12,268,021
Pembroke, N. H	41	592,855	14	11,275	762	227,820	429	227	106	11,310	417,418	775,563
Pen Argyl, Pa	31	392,615	9	4,660	336	177,873	233	103	.....	46,457	219,184	537,322
Penn Yan, N. Y	34	822,142	65	40,939	382	129,889	317	59	6	49,975	542,395	915,542
Peoria, Ill	871	27,971,613	767	768,574	8,022	3,901,186	6,945	1,021	56	25,122,825	14,986,348	48,871,596
Perth Amboy, N. J	129	6,637,766	161	186,396	2,258	1,053,242	2,182	52	24	435,883	11,631,704	14,730,928
Peru, Ill	49	2,277,845	72	99,298	1,164	541,197	1,047	89	28	274,244	1,787,073	3,114,759
Peru, Ind	103	1,147,288	67	49,589	1,271	470,919	1,127	105	39	81,165	819,593	1,620,889
Petaluma, Cal	86	712,003	19	15,108	366	155,332	265	96	5	59,014	516,814	971,670
Peterboro, N. H	43	643,599	19	11,971	364	133,462	228	134	2	20,469	285,982	531,346
Petersburg, Va	225	3,960,987	251	227,544	4,730	1,043,550	2,729	1,615	386	658,689	3,747,656	6,464,464
Philadelphia, Pa	15,887	476,529,407	19,113	20,154,836	246,445	111,847,076	172,011	61,688	12,746	55,575,685	326,877,441	603,466,526
Phillipsburg, N. J	87	3,411,239	77	106,413	2,560	1,000,331	1,938	611	11	244,560	2,906,360	4,952,277
Phoenix, Ala	6	33,595	2	800	16	4,548	16	.....	.....	5,361	7,644	22,350
Phoenixville, Pa	92	6,482,025	128	134,272	2,556	1,099,719	2,168	258	130	232,963	3,202,965	4,992,772
Pine Bluff, Ark	91	2,470,025	106	89,748	1,111	488,546	1,067	38	6	97,445	873,921	1,815,677
Piqua, Ohio	152	3,609,002	207	203,001	2,103	983,836	1,787	315	1	259,807	3,765,259	5,886,475
Pittsburg, Kans	82	808,055	28	27,037	994	475,772	946	36	12	45,654	986,828	1,616,976
Pittsburg, Pa	1,938	193,162,900	5,064	5,457,443	69,977	36,684,563	62,381	5,873	1,723	15,293,017	116,833,174	203,261,251
Pittsfield, Me	35	1,174,353	17	21,031	589	209,714	415	162	12	85,240	535,447	1,020,258
Pittsfield, Mass	261	6,084,849	229	255,527	3,863	1,627,790	2,380	1,372	111	548,483	3,616,578	7,135,770
Pittsfield, N. H	51	564,373	13	10,013	601	224,213	389	212	.....	16,562	625,112	1,092,069
Pittston, Pa	95	1,038,797	54	41,309	505	222,340	390	104	11	98,686	722,800	1,261,500
Plainfield, Conn	51	2,713,962	22	38,553	1,205	424,147	748	397	60	42,665	989,818	1,641,078
Plainfield, N. J	135	2,683,449	139	150,985	1,751	970,018	1,592	154	5	283,886	1,144,724	3,229,969
Plainville, Conn	35	399,775	13	16,291	337	136,815	213	110	14	17,664	232,533	460,471
Plaquemine, La	23	1,048,364	25	25,194	446	192,280	442	.....	4	19,747	419,023	766,044
Plattsburg, N. Y	131	2,210,045	69	45,424	852	306,284	564	282	6	102,839	716,467	1,455,150
Plattsmouth, Nebr	61	390,575	37	24,381	447	227,571	423	9	15	25,815	356,393	682,979
Plymouth, Ind	52	387,146	26	17,325	300	112,444	269	29	2	33,077	210,348	434,475
Plymouth, Pa	101	579,553	38	20,701	923	213,497	276	418	229	95,935	362,488	803,728
Pomeroy, Ohio	70	852,132	43	31,142	725	341,959	665	43	17	40,898	961,112	1,522,626

[1] Given as Sing Sing in 1890.

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years, and over.	Women, 16 years and over.	Children, under 16 years.			
Pontiac, Ill	52	$367,061	39	$47,580	437	$156,798	314	108	15	$27,878	$446,827	$770,048
Pontiac, Mich	106	1,393,867	110	79,726	1,315	512,161	1,182	180	3	96,587	1,754,582	2,793,499
Portage, Wis	72	468,925	42	32,919	324	104,742	182	125	17	47,560	228,802	502,234
Port Chester, N. Y	79	3,024,814	86	96,047	1,569	646,202	905	628	36	64,231	2,700,829	3,840,732
Port Huron, Mich	186	3,301,954	227	143,447	2,417	1,119,320	2,177	225	15	249,995	2,078,896	4,298,743
Port Jervis, N. Y	83	654,472	44	30,748	977	392,054	728	238	11	57,033	602,107	1,237,286
Portland, Conn	28	463,585	18	19,187	497	184,361	385	93	19	9,822	322,432	594,397
Portland, Ind	72	218,310	9	8,820	398	137,946	346	52	.....	16,001	261,274	592,552
Portland, Me	639	6,991,251	611	519,425	5,699	2,612,817	4,288	1,380	31	759,854	5,566,225	11,440,201
Portland, Oreg	1,064	13,331,500	806	844,847	8,572	4,347,876	7,220	1,211	141	1,186,072	13,312,036	23,451,132
Portsmouth, N. H	176	4,167,545	108	119,658	1,809	884,309	1,383	416	10	851,647	2,204,376	4,813,138
Portsmouth, Ohio	284	4,113,700	381	310,355	4,586	1,556,190	3,444	1,043	99	802,946	3,824,093	7,532,976
Portsmouth, Va	103	1,179,144	107	82,636	1,154	483,763	942	167	45	95,644	968,752	1,854,997
Port Washington, Wis.	65	1,006,926	61	56,337	811	265,298	735	52	24	77,098	508,080	1,037,318
Pottstown, Pa	144	4,922,856	183	148,427	3,059	1,251,229	2,421	459	179	386,985	5,263,759	8,111,486
Pottsville, Pa	206	3,383,237	150	111,198	1,967	671,179	1,303	534	130	383,317	3,626,129	5,354,633
Poughkeepsie, N. Y	877	5,688,058	197	240,593	3,482	1,583,268	2,701	666	65	411,495	3,475,100	6,826,769
Poultney, Vt	49	437,656	9	7,530	349	112,689	343	6	.....	11,789	190,564	405,379
Presque Isle, Me	38	177,595	8	5,810	88	30,270	77	9	2	10,491	162,707	273,716
Preston, Conn	19	650,847	6	3,600	264	96,487	206	58	.....	38,256	288,890	477,428
Princeton, Ind	87	605,351	19	13,294	469	207,789	435	23	11	40,294	535,485	929,270
Proctor, Vt	5	2,465	.....	.....	2	625	.....	2	.....	125	3,079	6,010
Providence, R. I	1,933	83,513,679	2,766	3,239,419	44,978	19,998,362	31,198	12,090	1,690	5,815,066	46,357,130	88,168,897
Provo City, Utah	57	515,496	22	13,637	264	105,408	169	63	32	28,931	216,444	431,120
Pueblo, Colo	241	12,374,248	320	370,428	4,911	3,044,280	4,756	127	28	577,501	22,589,669	30,795,481
Putnam, Conn	93	2,019,685	43	48,009	1,631	587,087	849	664	118	122,876	1,097,136	1,928,803
Quincy, Ill	421	6,879,846	491	400,238	4,509	1,918,452	3,612	771	126	779,653	4,952,797	9,234,988
Quincy, Mass	339	2,208,197	126	108,392	2,546	1,378,823	2,264	281	1	253,703	1,300,260	3,948,932
Racine, Wis	252	16,753,215	876	861,900	6,785	2,994,100	5,531	1,076	178	1,004,165	6,253,372	12,502,796
Rahway, N. J	100	915,208	42	36,184	778	407,490	621	156	1	69,085	502,048	1,149,247
Raleigh, N. C	135	1,611,089	146	97,464	1,358	441,038	981	222	155	107,133	1,203,099	2,204,056
Randolph, Mass	54	441,070	25	24,582	725	359,150	550	168	7	27,307	903,917	1,425,890
Rankin, Pa	12	4,962,354	73	62,535	1,622	983,867	1,574	.....	48	716,589	5,437,357	8,607,680
Raritan, N. J	27	659,471	11	17,400	1,010	299,970	580	314	116	268,974	442,409	1,088,280
Ravenna, Ohio	76	821,127	46	43,845	740	279,153	498	217	25	43,790	550,204	1,210,415
Reading, Mass	72	455,247	20	21,014	448	188,645	283	162	3	32,950	534,621	944,422
Reading, Pa	843	27,975,628	1,073	924,551	19,165	7,544,950	14,351	3,786	1,028	5,085,456	19,089,332	36,902,511
Red Wing, Minn	79	1,657,336	73	78,603	765	297,140	739	24	2	109,907	1,383,140	2,120,303
Reed City, Mich	55	272,790	6	4,095	260	103,051	235	18	7	30,567	291,488	536,451
Reedsburg, Wis	45	411,095	7	7,800	207	66,871	129	77	1	36,151	248,885	430,550
Reidsville, N. C	37	851,705	47	40,950	888	169,545	460	227	201	298,043	563,307	1,234,783
Reno, Nev	51	320,833	5	5,660	122	86,745	107	12	3	16,762	200,350	392,707
Rensselaer, N. Y.[1]	53	711,081	14	17,721	502	252,227	414	76	12	47,564	447,655	920,973
Revere, Mass	82	502,819	9	8,704	255	133,129	248	5	2	26,757	170,181	451,215
Rhinelander, Wis	62	1,366,855	22	28,530	781	307,131	767	14	.....	57,259	1,103,659	1,855,433
Rich Hill, Mo	48	224,609	4	1,797	115	42,659	103	7	5	12,061	164,148	255,132
Richmond, Ind	195	5,175,446	356	327,920	2,991	1,306,921	2,587	398	6	297,605	2,490,180	5,282,040
Richmond, Me	24	194,926	10	6,844	169	43,868	75	75	19	7,664	148,212	225,804
Richmond, Va	763	20,848,620	1,166	1,266,270	16,692	5,181,659	11,565	4,899	728	6,158,301	13,161,697	28,900,616
Ripon, Wis	73	498,531	32	28,276	360	122,344	215	132	13	36,539	485,101	807,087
Roanoke, Va	120	2,057,754	205	169,317	2,688	1,178,542	2,570	84	34	122,145	3,730,926	5,709,817
Rochester, Minn	116	471,994	21	11,506	331	125,891	281	46	4	65,489	386,215	728,166
Rochester, N. H	96	2,095,788	65	59,689	1,913	741,215	1,390	427	96	127,905	2,555,818	3,812,512
Rochester, N. Y	2,616	49,086,212	3,279	3,292,451	33,408	13,882,122	22,560	9,889	959	9,143,154	32,082,063	69,129,820
Rochester, Pa	47	2,228,337	40	56,685	1,433	589,516	927	206	300	104,262	470,450	1,440,567
Rock Falls, Ill	31	1,073,552	72	72,570	448	197,779	428	15	5	81,945	581,826	1,087,775
Rockford, Ill	450	14,126,834	456	422,547	6,620	2,765,709	5,190	1,200	230	821,852	6,928,941	12,586,116
Rock Hill, S. C	29	826,941	36	28,524	1,050	197,080	521	284	245	28,827	566,703	1,007,216
Rockingham, Vt	53	664,902	47	33,920	359	163,457	324	34	1	143,297	504,028	961,023
Rock Island, Ill	181	4,990,336	207	203,432	2,386	1,229,044	2,239	131	16	419,346	3,056,734	5,538,352
Rockland, Me	118	1,708,483	45	33,473	860	358,969	652	187	21	107,276	851,806	1,557,607
Rockland, Mass	81	998,824	58	51,995	1,071	515,974	791	241	39	112,435	1,363,959	2,288,972
Rockport, Ind	45	674,246	17	14,191	211	71,676	193	17	1	15,371	165,126	403,083
Rockport, Mass	41	737,225	23	28,513	566	255,634	561	5	.....	34,390	142,397	634,755
Rome, Ga	64	1,328,118	55	59,854	944	248,249	739	97	108	75,798	857,990	1,570,273
Rome, N. Y	196	3,788,051	154	154,666	2,653	1,014,352	1,951	623	79	299,978	3,722,764	6,093,544
Rushville, Ind	91	531,736	23	13,505	405	168,849	367	31	7	37,523	499,242	850,360
Rutland, Vt	186	2,112,530	139	103,563	1,791	773,304	1,335	451	5	133,616	1,044,566	2,456,677
Saco, Me	71	2,151,434	12	23,897	2,025	619,462	1,339	591	95	195,758	1,120,293	2,244,025
Sacramento, Cal	275	7,369,013	188	216,504	4,365	2,977,764	3,954	380	31	703,922	6,057,837	11,141,896
Saginaw, Mich	480	7,558,806	394	371,741	4,866	1,936,558	4,288	547	31	594,269	5,816,237	10,034,499
St. Albans, Vt	79	1,192,735	95	78,499	1,178	519,292	900	278	.....	98,355	1,034,772	1,850,590
St. Charles, Mo	75	1,940,719	59	59,445	1,275	601,987	1,223	19	33	126,412	1,982,519	3,145,662
St. Clair, Mich	36	395,180	23	17,615	238	101,995	194	42	2	21,354	279,689	515,968
St. Clair, Pa	31	94,863	7	3,780	213	47,506	25	170	18	2,225	57,678	146,277
St. Cloud, Minn	96	789,946	56	39,193	650	343,062	632	18	.....	63,422	1,229,824	1,895,202
St. Johns, Mich	59	476,258	11	13,535	295	95,469	267	27	1	27,507	304,482	539,252
St. Johnsbury, Vt	89	3,790,028	96	93,105	1,195	568,619	1,149	45	1	182,521	951,643	2,838,906
St. Joseph, Mich	75	954,419	84	82,058	933	353,591	682	234	17	73,343	606,969	1,308,277
St. Joseph, Mo	440	11,068,825	562	516,083	7,429	3,109,647	4,994	2,297	138	1,160,912	25,068,215	31,690,736

[1] Given as Greenbush in 1890.

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
St. Louis, Mich	37	$60,040	2	$1,216	47	$16,306	39	6	2	$4,183	$94,818	$149,854
St. Louis, Mo	6,732	162,179,331	9,778	10,994,620	82,672	38,191,076	64,111	15,548	3,013	33,271,804	117,861,443	233,629,733
St. Louis Park, Minn	6	1,228,875	41	60,225	224	133,660	219	4	1	28,601	271,292	606,736
St. Marys, Ohio	57	556,209	44	39,318	453	192,711	410	43	.....	37,786	462,842	893,823
St. Paul, Minn	1,591	28,208,389	2,292	2,012,574	17,593	7,669,805	13,391	3,922	280	3,668,047	19,464,570	38,541,030
St. Peter, Minn	61	374,760	13	10,600	199	77,085	168	27	4	34,815	274,104	509,471
Salamanca, N. Y	62	1,867,289	29	26,376	419	188,656	400	14	5	55,301	1,302,662	1,764,476
Salem, Mass	446	7,450,935	236	214,656	6,424	2,842,678	4,120	2,135	169	464,618	7,159,987	12,257,449
Salem, N. J	75	722,434	36	24,477	933	316,303	580	246	107	34,042	550,093	1,155,099
Salem, N. C	34	1,375,661	68	43,930	1,506	270,927	924	222	360	715,301	854,716	2,067,240
Salem, Ohio	106	2,090,703	121	116,022	977	569,352	843	128	6	135,603	1,230,584	2,380,424
Salem, Oreg	88	651,478	24	18,220	374	148,696	273	95	6	53,556	427,495	808,538
Salem, Va	40	421,478	13	13,310	181	68,315	164	11	6	82,510	533,254	768,435
Salina, Kans	119	634,988	58	31,734	337	132,761	268	56	13	94,333	885,153	1,329,985
Salisbury, Mass	11	11,970	.....	.....	14	6,988	14	.....	.....	578	8,248	24,325
Salisbury, N. C	43	906,275	27	21,980	852	172,501	389	286	177	28,481	559,070	939,954
Salt Lake City, Utah	482	4,048,906	364	282,418	2,977	1,601,253	2,404	485	88	479,684	2,743,674	6,109,409
San Antonio, Tex	312	4,252,197	209	244,252	3,073	1,755,008	2,781	262	30	654,339	3,284,524	6,821,797
San Diego, Cal	208	1,147,712	57	47,703	574	281,786	458	114	2	132,568	556,787	1,309,321
Sandusky, Ohio	176	4,627,981	158	141,637	1,648	650,895	1,397	207	44	379,042	1,394,147	3,190,342
Sandwich, Ill	29	907,994	62	62,353	278	153,934	275	3	.....	106,961	322,000	699,085
Sandy Hill, N. Y	50	3,999,674	89	121,996	939	437,904	890	39	10	218,207	1,663,816	2,974,025
Sanford, Me	67	3,246,015	85	84,645	1,893	698,385	1,011	766	116	240,060	1,891,762	3,254,890
San Francisco, Cal	4,002	80,103,367	4,041	4,619,033	41,978	22,037,527	31,722	9,321	935	8,826,167	79,492,952	33,069,416
San Jose, Cal	349	3,534,136	271	185,958	1,802	853,048	1,243	532	27	351,131	2,447,365	4,584,072
Santa Clara, Cal	36	613,510	22	28,240	248	146,099	222	20	6	26,586	330,155	712,421
Santa Cruz, Cal	84	1,456,753	34	41,161	490	262,187	471	17	2	149,035	873,438	1,648,483
Santa Fe, N. Mex	39	82,053	7	7,970	89	44,740	81	1	7	13,446	88,966	204,123
Santa Rosa, Cal	139	765,547	13	12,486	657	260,667	390	267	.....	98,781	902,579	1,521,343
Saratoga Springs, N. Y.	170	1,863,526	179	130,235	939	369,876	572	364	3	143,770	980,895	2,006,259
Savannah, Ga	155	5,716,491	220	231,377	2,870	1,176,150	2,782	85	3	469,918	3,915,884	6,461,816
Saugerties, N. Y	117	1,202,299	50	60,436	580	264,614	434	143	3	78,090	717,539	1,352,114
Sault Ste. Marie, Mich.	84	723,936	38	22,913	472	262,582	415	54	3	56,234	491,004	1,166,700
Sayre, Pa	46	1,341,905	64	47,908	1,261	591,238	1,192	60	9	40,754	1,170,326	1,945,797
Schenectady, N. Y	388	6,517,864	222	204,977	4,431	2,527,352	3,779	607	45	635,955	4,953,662	9,288,387
Schuylkill Haven, Pa.	53	545,701	15	7,873	702	259,499	413	270	19	15,605	1,105,426	1,497,484
Scituate, R. I	33	1,264,223	14	26,948	600	190,739	313	214	73	61,956	289,342	638,146
Scranton, Miss	15	372,655	5	6,600	167	66,045	165	.....	2	6,532	173,319	326,114
Scranton, Pa	710	19,954,525	661	791,589	12,669	5,191,522	8,776	2,863	1,030	1,857,881	18,411,022	27,646,418
Seattle, Wash	953	10,131,651	768	684,662	8,480	5,575,253	7,870	543	67	1,479,604	14,211,191	26,373,402
Sedalia, Mo	131	1,293,053	79	57,105	1,098	463,787	804	280	14	69,949	811,697	1,599,326
Selma, Ala	98	1,296,308	133	106,400	1,343	392,016	981	248	114	93,034	1,163,936	2,015,777
Seneca Falls, N. Y	65	2,422,256	119	112,001	1,365	611,630	1,210	144	11	136,941	840,702	1,992,115
Seymour, Conn	35	2,148,123	47	70,824	833	439,908	750	79	4	45,071	2,092,580	2,947,463
Seymour, Ind	81	871,746	34	31,437	671	234,860	495	134	42	45,268	1,080,058	1,622,408
Shamokin, Pa	143	971,130	50	39,807	1,068	313,057	503	480	85	130,080	905,421	1,656,606
Sharon, Pa	96	6,140,725	96	131,504	3,145	1,601,748	3,078	50	17	470,574	6,751,895	9,865,039
Sharpsburg, Pa	103	1,053,416	32	33,458	1,213	669,946	1,086	15	112	81,674	1,854,014	2,950,668
Sharpsville, Pa	21	3,657,100	37	42,002	912	531,309	910	1	1	229,576	4,220,805	6,288,801
Sheboygan, Wis	206	7,766,616	202	249,931	5,338	1,678,296	4,684	325	329	678,413	3,995,102	7,469,202
Sheffield, Ala	21	1,226,258	25	34,300	678	246,009	663	3	12	123,390	874,592	1,461,418
Shelburn, Mass	33	182,063	6	5,284	90	39,096	76	12	2	7,053	50,112	140,575
Shelby, Ohio	63	2,409,230	77	88,827	1,045	478,446	860	182	3	134,264	1,770,640	2,625,066
Shelbyville, Ill	60	96,294	2	250	102	30,054	85	12	5	8,574	106,199	203,717
Shelbyville, Ind	122	902,725	43	40,101	829	335,744	764	38	27	74,981	871,033	1,572,536
Shenandoah, Iowa	56	236,623	5	4,330	213	87,078	170	33	10	12,076	200,213	382,740
Shenandoah, Pa	78	374,057	13	13,544	210	88,555	186	22	2	96,929	180,224	479,336
Sheridan, Ind	33	109,111	8	5,476	109	67,248	99	6	4	4,971	99,018	241,567
Sherman, Tex	78	905,742	65	61,880	452	193,582	336	81	35	87,946	1,175,993	1,721,280
Shippensburg, Pa	54	263,081	26	13,809	284	71,437	175	107	2	17,233	186,893	391,727
Shreveport, La	115	1,696,339	89	78,644	1,014	413,562	950	57	7	105,345	1,045,452	1,964,820
Sidney, Ohio	107	1,173,805	84	62,804	935	337,010	774	159	2	101,178	1,088,669	1,858,626
Silver Creek, N. Y	27	626,396	58	55,036	298	146,716	288	10	.....	53,930	217,842	563,662
Sioux City, Iowa	329	5,691,644	322	295,157	3,104	1,485,066	2,610	438	56	664,486	10,669,672	15,469,702
Sioux Falls, S. Dak	148	1,047,899	70	48,025	586	288,919	498	85	3	159,694	563,376	1,411,411
Skowhegan, Me	69	941,681	29	32,019	617	245,314	473	135	9	43,068	761,463	1,252,955
Slatington, Pa	54	756,751	43	29,827	926	362,384	780	65	81	49,291	321,121	947,787
Smithfield, R. I	16	325,933	4	2,350	203	73,519	131	58	14	11,564	196,939	311,723
Snohomish, Wash	22	137,625	11	8,550	130	73,182	125	.....	5	15,976	316,052	484,446
Socorro, N. Mex	19	104,500	2	2,400	85	34,570	83	2	.....	5,100	50,234	126,889
Solvay, N. Y	8	214,116	9	5,235	99	59,153	83	16	.....	39,147	112,215	237,514
Somersworth, N. H	83	3,133,909	24	24,468	2,720	806,320	1,341	1,201	178	185,680	2,062,927	3,605,666
Somerville, Mass	378	10,131,596	294	266,918	4,342	2,199,491	3,877	425	40	706,415	17,346,772	21,776,511
Somerville, N. J	88	1,160,976	58	64,353	402	235,050	353	40	9	100,710	797,606	1,354,373
South Amboy, N. J	44	282,770	13	10,485	238	113,344	226	3	9	11,326	147,865	322,457
South Bend, Ind	302	18,156,638	539	577,520	8,257	3,409,637	6,926	1,120	211	950,093	7,510,806	14,236,331
South Berwick, Me	25	637,153	26	23,870	506	190,047	322	184	.....	39,370	480,533	788,899
South Bethlehem, Pa.	127	8,713,185	281	342,142	5,544	2,390,100	4,828	474	242	931,898	5,301,034	10,964,911
Southbridge, Mass	16[illegible]	4,269,358	67	94,454	2,871	1,225,064	1,989	748	184	222,267	1,947,000	3,854,638
South Glens Falls, N. Y	7	316,085	3	6,000	144	63,402	144	.....	.....	10,216	169,537	267,077

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
South Hadley, Mass	24	$758,186	23	$28,198	254	$109,352	141	113	.....	$35,564	$238,361	$522,810
Southington, Conn	65	2,783,709	70	108,422	1,415	627,604	1,304	111	.....	112,884	797,102	1,994,564
South Kingstown, R. I.	71	1,697,485	45	34,868	810	349,544	554	219	37	72,995	885,192	1,536,535
South Milwaukee, Wis.	29	1,092,523	31	32,714	595	318,149	583	5	7	44,783	553,088	1,028,703
South Omaha, Nebr	139	16,471,329	774	738,429	6,606	3,268,591	6,045	231	330	1,719,920	61,277,486	70,080,941
South Orange, N. J	45	108,664	3	2,720	157	88,740	137	20	.....	12,841	105,912	327,552
South Pittsburg, Tenn.	20	1,664,410	26	27,203	678	205,288	646	12	20	130,725	736,211	1,188,616
South St. Paul, Minn	11	927,504	93	80,954	578	262,485	558	7	8	61,437	5,168,578	5,714,757
South Williamsport, Pa	15	586,673	15	16,164	386	146,218	338	2	46	41,671	342,755	629,446
Sparta, Wis	56	221,172	8	5,645	147	56,865	126	21	.....	12,041	202,928	343,759
Spartanburg, S. C	45	2,351,175	34	41,060	1,375	276,042	679	359	337	83,721	923,217	1,630,275
Spencer, Mass	81	1,519,234	67	45,924	1,665	613,917	1,172	434	59	92,632	1,812,515	2,784,994
Spokane, Wash	213	2,678,823	249	227,905	1,779	1,080,618	1,631	146	2	414,526	2,854,463	5,427,540
Spring City, Pa	47	509,362	20	19,708	482	198,685	260	173	49	19,573	280,290	655,974
Springfield, Ill	320	5,030,438	235	195,622	3,871	1,730,891	3,367	469	35	631,823	3,290,207	6,612,286
Springfield, Mass	817	17,105,947	953	1,035,696	10,123	5,176,299	7,453	2,536	134	2,067,702	9,194,841	21,207,039
Springfield, Mo	245	2,111,048	121	99,110	2,127	1,017,345	1,956	145	26	154,290	2,274,705	4,126,871
Springfield, Ohio	305	14,091,175	1,313	1,113,310	6,638	3,160,119	6,119	496	23	1,286,798	5,569,261	12,777,173
Springfield, Vt	46	985,356	38	47,602	602	286,195	536	65	1	76,870	540,859	1,210,286
Spring Valley, Ill	32	42,741	2	1,082	57	29,439	50	4	3	3,817	59,572	127,804
Springville, Utah	17	156,760	1	225	14	6,860	12	2	.....	4,969	77,242	95,482
Stafford, Conn	75	2,061,474	53	57,457	1,061	399,876	650	341	70	105,606	1,347,148	2,177,535
Stamford, Conn	185	5,189,195	288	264,622	2,841	1,432,540	2,480	276	85	464,452	2,059,725	4,743,704
Staunton, Va	89	438,270	15	10,263	316	90,715	232	73	11	41,727	622,142	900,750
Steelton, Pa	55	6,315,833	273	275,189	4,871	2,127,334	4,756	92	23	941,119	10,006,789	14,204,954
Sterling, Ill	118	1,065,177	55	62,172	704	290,434	638	62	4	102,855	991,892	1,733,144
Steubenville, Ohio	171	2,587,180	100	84,526	2,051	874,095	1,613	246	192	227,624	2,698,875	5,235,161
Stevens Point, Wis	107	2,197,025	51	49,523	979	390,800	796	163	20	98,056	1,391,413	2,171,265
Stillwater, Minn	114	5,451,915	128	144,735	2,803	1,122,330	2,767	35	1	203,523	2,508,559	4,904,792
Stockton, Cal	291	4,810,253	164	165,762	1,649	944,734	1,443	178	28	332,047	4,515,356	6,659,916
Stoneham, Mass	94	822,071	64	75,881	1,290	544,213	751	517	22	75,708	1,894,999	2,856,919
Stonington, Conn	118	3,733,679	84	127,514	1,967	902,740	1,562	356	49	344,536	1,312,285	3,231,423
Stoughton, Mass	56	2,125,321	40	43,336	1,071	451,274	681	367	23	161,183	1,521,417	2,297,798
Stoughton, Wis	14	718,452	31	28,569	263	118,711	257	5	1	43,513	236,825	505,715
Streator, Ill	131	1,050,999	44	45,149	1,564	772,187	1,276	106	182	114,894	578,128	1,761,143
Stroudsburg, Pa	55	461,770	13	12,015	544	232,046	451	43	50	25,142	589,797	959,845
Sturgis, Mich	56	337,252	15	13,726	323	120,507	307	16	.....	14,401	233,542	478,093
Suffolk, Va	67	402,079	28	22,375	881	197,849	478	244	159	48,979	1,060,006	1,499,068
Summit Hill, Pa	14	34,078	.....	.....	29	11,105	25	3	1	745	27,342	51,323
Sumter, S. C	52	308,272	19	12,765	409	79,013	329	58	22	23,689	392,386	590,337
Sunbury, Pa	76	2,101,602	80	55,513	1,140	441,531	867	222	51	177,578	1,360,184	2,254,609
Superior, Wis	185	5,882,562	148	168,714	1,958	925,776	1,786	140	32	378,667	5,396,730	7,527,703
Susquehanna, Pa	82	810,076	18	12,580	1,187	613,508	1,159	17	11	18,988	685,438	1,416,927
Swanton, Vt	46	306,698	27	17,286	259	80,546	192	66	1	23,048	295,193	480,601
Sycamore, Ill	82	503,733	27	26,340	425	202,774	381	43	1	39,444	776,875	1,367,655
Syracuse, N. Y	1,383	31,358,055	1,431	1,424,279	14,917	6,735,177	11,880	2,779	258	3,428,671	14,771,128	31,948,055
Tacoma, Wash	381	8,146,691	293	326,340	4,347	2,356,028	4,104	203	40	461,017	7,339,166	12,029,497
Talladega, Ala	22	848,414	20	14,981	343	77,311	229	54	60	25,979	427,544	583,902
Tampa, Fla	129	3,935,647	187	240,165	4,109	2,009,077	3,537	569	3	591,403	3,542,283	7,481,741
Tamaqua, Pa	64	917,124	28	24,635	564	229,728	419	117	28	87,826	388,937	847,964
Tarentum, Pa	55	2,192,747	59	81,620	1,420	628,233	1,197	85	138	254,885	755,942	1,980,947
Tarrytown, N. Y	77	467,707	24	12,656	375	207,453	298	76	1	35,930	327,008	719,020
Taunton, Mass	284	11,737,899	330	430,818	7,102	3,331,680	5,235	1,541	326	908,180	5,993,237	12,594,814
Tawas City, Mich	11	161,715	7	5,222	108	48,440	107	1	.....	3,513	95,173	173,715
Taylor, Pa	12	170,549	8	6,139	197	30,375	14	145	38	29,742	95,113	166,438
Taylor, Tex	72	184,735	10	11,840	207	92,958	200	7	.....	21,862	206,917	429,955
Taylorville, Ill	60	229,598	7	4,757	140	54,316	123	14	3	15,028	149,734	281,762
Tecumseh, Mich	61	264,815	12	7,640	293	123,348	264	28	1	24,863	190,394	429,085
Tell City, Ind	46	466,979	24	14,310	585	188,005	440	138	7	51,808	320,078	711,849
Temple, Tex	74	700,369	31	32,546	328	158,882	304	20	4	36,403	569,580	908,726
Terre Haute, Ind	429	8,938,107	353	351,127	5,427	2,298,585	4,344	1,067	16	15,358,415	8,029,285	27,784,619
Thomaston, Conn	23	1,778,944	36	51,980	1,154	545,479	890	219	45	95,997	1,486,133	2,374,481
Thomaston, Me	35	501,265	10	9,100	215	108,610	206	9	.....	9,854	226,996	442,716
Thompson, Conn	19	4,511,383	45	64,042	1,766	575,567	1,060	576	130	62,236	928,432	1,645,476
Three Rivers, Mich	67	561,558	31	33,536	491	201,498	454	37	.....	49,347	828,266	1,238,245
Tiffin, Ohio	153	2,319,720	110	77,730	1,368	569,660	1,066	296	6	194,471	900,003	2,107,805
Tilton, N. H	41	180,622	11	8,289	219	90,663	120	99	.....	13,097	153,484	326,055
Tipton, Ind	56	203,087	6	5,700	277	109,605	212	53	12	12,672	357,678	594,161
Titusville, Pa	113	2,550,452	67	92,408	1,204	522,749	1,104	92	8	216,767	1,657,275	2,995,292
Tiverton, R. I	22	749,331	9	13,896	541	192,361	335	156	50	25,655	292,350	730,398
Toledo, Ohio	1,050	25,591,916	1,278	1,224,281	15,383	6,845,687	12,717	2,404	262	3,068,389	21,986,798	37,372,355
Tomah, Wis	47	986,180	13	9,590	212	89,002	210	2	.....	30,746	531,287	743,615
Tomahawk, Wis	33	172,514	5	5,460	180	93,271	166	10	4	26,632	51,609	218,838
Tonawanda, N. Y	60	1,540,789	42	43,517	398	158,851	366	8	24	40,382	1,227,349	1,676,280
Topeka, Kans	399	3,891,530	319	232,602	3,758	2,110,721	3,443	291	24	417,231	6,023,934	9,977,605
Toronto, Ohio	40	649,653	38	33,262	640	315,400	560	68	12	66,130	235,721	809,446
Torrington, Conn	108	6,544,511	152	217,559	3,522	1,704,291	3,106	309	107	409,102	6,687,684	10,017,121
Towanda, Pa	89	678,021	42	30,220	559	185,477	435	96	28	35,655	358,155	732,433
Traverse City, Mich	80	1,004,531	53	44,900	878	374,396	734	127	17	53,601	629,634	1,362,860
Trenton, Mo	86	205,715	23	13,646	252	113,508	224	28	.....	17,817	247,841	459,748

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Trenton, N. J	570	$26,174,895	839	$996,482	14,457	$6,791,026	11,641	2,484	332	$2,057,474	$18,057,504	$31,645,695
Trenton, Tenn	24	312,048	15	11,486	469	165,646	363	46	60	16,761	582,121	930,849
Trinidad, Colo	87	481,451	22	20,672	329	202,422	308	18	3	79,961	238,212	679,649
Troy, Ind	10	104,220	2	1,080	95	19,016	38	55	2	5,582	84,592	128,328
Troy, N. Y	662	23,531,622	917	1,045,237	21,564	8,571,928	7,852	13,457	255	2,350,664	11,291,740	28,209,259
Troy, Ohio	104	1,664,085	81	76,242	899	355,227	723	175	1	197,579	1,135,619	2,019,557
Tulare, Cal	29	79,075	3	1,800	38	16,260	30	6	2	4,943	67,380	118,862
Turtle Creek, Pa	14	14,800	.....	.....	15	9,710	15	.....	.....	1,434	21,825	45,078
Tuscaloosa, Ala	43	353,925	13	16,682	407	104,141	286	71	50	26,918	304,529	511,683
Tuscumbia, Ala	16	46,350	2	396	28	8,040	26	1	1	1,785	51,280	80,787
Two Rivers, Wis	45	836,492	35	40,310	971	250,385	651	184	136	75,126	591,406	1,177,621
Tyrone, Pa	69	1,098,861	40	44,522	560	243,711	459	86	15	62,286	670,868	1,305,899
Uhrichsville, Ohio	78	273,602	24	14,380	271	104,650	227	41	3	25,694	197,070	446,780
Union City, Ind	53	232,807	14	12,700	164	71,069	141	19	4	16,022	237,692	443,847
Union, N. J	159	5,618,279	92	164,086	1,662	841,247	1,067	587	8	899,514	1,650,490	3,986,381
Union City, Tenn	35	215,670	17	11,550	191	59,705	141	50	.....	16,880	383,316	558,470
Uniontown, Pa	130	872,549	37	25,579	743	323,863	650	63	30	90,467	632,288	1,348,936
Upper Sandusky, Ohio	35	288,744	10	6,625	165	60,477	151	13	1	21,655	187,106	357,505
Urbana, Ill	54	463,115	33	24,913	538	260,145	516	18	4	22,480	349,263	728,502
Urbana, Ohio	112	1,122,435	70	58,836	811	273,822	673	134	4	94,404	770,783	1,477,962
Utica, N. Y	733	19,280,502	883	792,574	10,759	4,148,415	6,874	3,272	613	2,133,972	9,405,370	19,550,850
Vallejo, Cal	64	446,696	13	10,720	233	134,994	174	56	3	48,869	419,569	736,629
Valparaiso, Ind	66	189,610	17	14,253	306	92,014	149	154	3	14,991	182,668	399,496
Van Buren, Ark	31	82,560	8	5,614	145	65,278	131	5	9	7,063	56,219	177,579
Van Wert, Ohio	81	434,678	25	14,907	354	150,514	313	41	.....	42,348	313,575	627,672
Vernon, Conn	123	5,743,445	68	107,343	2,449	928,886	1,481	877	91	419,062	3,245,493	5,499,418
Vicksburg, Miss	65	1,360,890	75	70,528	1,222	532,734	1,150	59	13	81,040	949,387	1,876,843
Victor, Colo	69	178,773	7	5,788	281	244,833	275	5	1	76,807	466,833	922,524
Vincennes, Ind	109	1,552,386	75	58,845	970	388,865	825	131	14	130,690	1,098,676	2,282,384
Vineland, N. J	58	840,305	45	28,456	837	369,976	629	191	17	34,532	775,360	1,450,072
Vinton, Iowa	63	198,237	8	6,470	231	76,001	165	59	7	31,884	206,150	440,137
Virginia City, Nev	22	39,255	2	2,270	23	12,354	15	.....	8	5,340	19,392	59,138
Visalia, Cal	43	210,900	5	4,624	236	96,889	106	130	.....	25,623	348,439	571,644
Wabash, Ind	109	2,430,502	87	83,798	1,241	589,355	1,117	124	.....	80,310	1,206,726	2,225,990
Wabasha, Minn	44	349,984	11	10,780	83	39,449	74	9	.....	35,646	581,886	761,165
Waco, Tex	166	2,096,741	106	108,306	1,227	469,129	913	256	58	222,681	1,477,642	2,693,907
Wakefield, Mass	97	3,209,070	81	100,394	1,616	784,644	1,227	382	7	220,168	1,354,253	2,958,656
Waldoboro, Me	41	158,033	6	3,439	195	74,002	174	21	.....	5,988	161,731	313,072
Wallawalla, Wash	70	790,888	21	22,493	266	170,866	254	8	4	74,103	725,685	1,184,513
Wallingford, Conn	73	5,382,134	162	285,197	2,270	1,160,551	1,776	474	20	268,756	2,813,410	5,238,280
Walpole, Mass	44	2,010,385	89	137,051	684	370,945	622	58	4	173,320	325,216	1,972,398
Waltham, Mass	275	9,152,169	198	264,588	5,392	2,630,929	3,263	2,095	34	671,780	2,817,792	6,934,381
Wapakoneta, Ohio	60	462,777	24	14,498	411	142,628	387	18	6	49,629	289,717	604,781
Wappingers Falls, N. Y.	31	1,947,881	12	15,763	944	448,815	781	119	44	23,858	450,623	972,838
Ware, Mass	100	3,284,599	48	64,226	2,777	979,930	1,514	1,084	179	127,775	2,119,178	3,681,069
Warren, Mass	39	1,379,563	22	22,771	1,027	426,594	736	276	15	54,434	688,187	1,275,574
Warren, Ohio	110	2,952,697	133	161,737	1,948	835,718	1,646	286	16	198,109	2,671,115	4,840,160
Warren, Pa	119	2,869,020	74	76,602	1,270	585,590	1,181	84	5	350,190	2,357,681	4,152,859
Warren, R. I	61	2,353,264	19	34,880	1,047	396,010	569	397	81	73,815	753,470	1,647,365
Warsaw, Ind	75	351,872	17	11,221	244	110,822	179	57	8	22,479	335,935	610,465
Warsaw, N. Y	48	3,285,826	47	52,247	329	131,611	256	72	1	61,757	296,820	631,627
Warwick, R. I	104	8,413,333	69	116,239	5,544	1,858,462	3,233	1,761	550	330,774	2,522,789	6,197,506
Waseca, Minn	69	260,614	15	11,360	172	83,292	160	9	3	15,749	767,954	976,007
Washburn, Wis	35	1,566,855	11	19,500	501	260,036	472	17	12	70,250	568,657	1,165,861
Washington, D. C	2,669	24,329,135	1,668	1,314,396	16,297	8,286,337	14,332	1,849	116	4,153,819	16,638,467	37,780,267
Washington, Ind	57	437,177	20	13,165	621	314,742	598	21	2	18,650	433,101	885,062
Washington, N. J	41	759,518	57	35,422	650	258,050	538	102	10	145,327	446,259	999,262
Washington C. H., Ohio	67	403,031	28	20,158	276	101,849	204	69	3	24,376	352,233	659,899
Washington, Pa	150	2,897,671	119	130,468	2,206	1,052,616	1,891	189	126	461,068	2,303,113	4,667,330
Waterbury, Conn	404	23,421,640	699	1,005,814	14,914	7,564,198	10,779	3,787	348	1,664,050	19,821,401	33,778,905
Waterford, N. Y	58	2,593,021	62	88,527	1,921	773,786	865	988	68	152,450	1,544,719	2,966,060
Waterloo, Iowa	147	1,287,056	108	80,014	1,042	471,608	899	118	25	81,642	1,555,578	2,499,361
Waterloo, N. Y	36	1,644,687	33	48,998	736	305,648	508	212	16	141,272	907,222	1,580,395
Watertown, Conn	37	536,524	24	39,255	501	166,340	208	285	8	15,801	629,538	936,266
Watertown, Mass	105	4,549,242	134	178,235	2,304	1,130,099	1,466	800	38	170,131	3,811,808	6,078,902
Watertown, N. Y	289	8,281,845	247	279,900	3,760	1,821,477	3,230	512	18	455,916	4,152,344	7,881,977
Watertown, Wis	86	1,776,312	56	50,241	621	204,305	530	70	21	112,071	949,118	1,625,982
Waterville, Me	89	3,972,016	56	54,512	2,203	779,308	1,235	787	181	196,034	1,256,801	2,802,236
Watervliet, N. Y.[1]	135	1,826,691	69	81,721	1,167	460,352	756	383	28	154,118	849,934	1,809,241
Watsontown, Pa	21	257,571	38	23,588	280	91,651	259	16	5	11,747	298,200	459,670
Waukegan, Ill	102	3,143,918	60	64,496	1,390	771,386	1,261	127	2	269,633	2,990,193	4,609,190
Waupun, Wis	42	493,590	22	23,650	267	87,988	170	97	.....	135,502	793,504	1,200,844
Wausau, Wis	137	3,094,178	100	104,920	1,643	594,626	1,467	49	127	243,637	2,238,730	3,658,439
Wauwatosa, Wis	37	3,110,023	161	152,840	2,312	1,154,948	2,302	10	.....	216,398	1,982,008	3,663,892
Waverly, N. Y	90	477,724	37	17,905	295	112,332	249	42	4	40,780	359,246	656,784
Waynesboro, Pa	61	3,984,774	97	98,069	1,103	507,628	1,086	14	3	265,093	1,072,213	2,731,059
Weatherford, Tex	83	309,550	22	13,017	173	72,671	158	9	6	29,177	368,467	609,415
Webb City, Mo	42	211,090	8	6,934	164	79,294	145	19	.....	12,050	244,851	425,763
Webster, Mass	83	3,733,575	51	52,332	2,490	870,244	1,668	655	167	280,796	2,447,448	4,086,267
Webster City, Iowa	33	348,455	24	14,680	205	78,297	176	16	13	16,863	188,170	415,163

[1] Given as West Troy in 1890.

TABLE 9.—SUMMARY FOR 1,341 CITIES, TOWNS, AND VILLAGES: 1900—Continued.

CITIES, TOWNS, AND VILLAGES.	Number of establishments.	Capital.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.					Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
					Total.		Average number.					
			Number.	Salaries.	Average number.	Wages.	Men, 16 years and over.	Women, 16 years and over.	Children, under 16 years.			
Weir, Kans	22	$145,171	.....	.....	123	$49,686	110	10	3	$7,967	$240,614	$311,654
Wellston, Ohio	41	855,606	17	$15,985	333	169,075	320	10	3	27,327	595,415	1,056,110
Wellsville, N. Y	64	1,344,438	21	19,743	351	131,835	309	40	2	36,285	668,283	1,017,515
Wellsville, Ohio	61	1,233,863	66	59,400	969	511,964	906	62	1	47,624	660,918	1,548,190
West Bay City, Mich	121	2,323,910	56	66,024	2,153	868,504	2,069	48	36	214,327	2,294,668	3,763,522
West Bethlehem, Pa	17	143,990	6	4,000	69	29,214	62	7	.....	19,928	174,573	276,939
Westboro, Mass	57	948,047	19	18,456	843	383,586	642	201	.....	39,752	1,087,315	1,783,298
Westbrook, Me	42	3,950,221	52	72,858	1,405	604,978	1,024	381	.....	347,064	1,372,266	2,851,660
West Chester, Pa	112	1,244,188	69	50,783	740	351,087	695	35	10	164,169	459,559	1,378,362
Westerly, R. I	105	1,587,951	52	36,019	1,561	661,986	1,189	332	40	56,228	811,392	1,934,544
Westfield, Mass	186	4,345,372	258	327,644	2,641	1,229,643	2,080	533	28	328,542	2,401,460	5,072,074
Westfield, N. Y	39	364,409	27	17,420	114	46,556	91	22	1	29,294	136,444	326,918
West Hoboken, N. J	177	4,042,373	173	152,147	3,028	1,248,244	1,479	1,475	74	677,713	2,829,789	5,491,760
West Minneapolis, Minn	15	1,665,907	83	79,807	476	211,129	475	1	.....	134,959	345,070	853,828
Westminster, Md	66	428,567	26	11,151	234	59,735	159	62	13	16,146	344,100	509,243
West Orange, N. J	64	1,373,039	74	68,804	1,034	499,319	967	66	1	67,788	478,645	1,350,170
West Pittston, Pa	35	567,287	31	47,048	299	123,238	206	86	7	127,444	242,730	621,996
West Point, Miss	32	198,328	12	9,197	178	56,738	168	8	2	11,132	190,490	358,863
Westport, Conn	35	343,948	31	46,542	225	101,788	153	70	2	32,129	284,493	556,668
West Rutland, Vt	17	2,134,582	67	74,925	944	487,560	942	2	.....	125,541	474,446	1,440,334
West Springfield, Mass	41	934,945	38	60,816	626	345,776	500	125	1	59,291	561,675	1,142,105
Weymouth, Mass	130	4,427,328	218	287,150	1,998	911,502	1,478	516	4	298,022	3,246,899	5,583,144
What Cheer, Iowa	41	132,408	15	7,931	58	25,927	50	6	2	6,578	93,167	184,436
Wheeling, W. Va	406	13,224,577	465	439,582	7,219	3,096,730	5,302	1,775	142	1,954,205	9,076,978	16,747,544
Whitehall, N. Y	47	643,228	29	37,469	408	125,816	257	128	18	37,346	320,424	596,971
Whiting, Ind	6	12,701,598	159	159,772	1,836	1,144,113	1,823	13	.....	350,933	13,420,494	16,674,285
Whitman, Mass	65	2,054,815	102	100,877	2,059	1,092,024	1,513	501	45	140,286	3,160,456	5,009,786
Wichita, Kans	328	2,108,524	144	110,935	1,505	639,271	1,284	200	21	176,146	3,060,661	4,724,068
Wilbraham, Mass	15	711,426	9	19,460	171	81,100	94	76	1	24,365	558,198	736,173
Wilkesbarre, Pa	438	10,501,537	340	406,823	5,977	2,286,676	3,727	1,780	470	1,142,358	5,167,777	10,758,348
Wilkinsburg, Pa	131	1,049,083	15	6,048	655	464,107	623	31	1	644,594	897,931	2,295,846
Williamsport, Pa	396	9,863,811	397	352,348	5,595	2,065,930	3,679	1,614	302	517,059	6,420,337	11,199,600
Williamstown, Mass	38	815,368	12	12,619	365	141,864	246	91	28	20,059	182,511	434,371
Wilmerding, Pa	10	19,546,553	109	241,595	2,015	1,353,869	1,997	14	4	636,488	2,592,726	9,171,381
Wilmington, Del	759	28,372,043	1,051	1,138,361	16,055	7,439,210	13,725	1,835	495	1,658,908	19,451,815	34,053,324
Wilmington, N. C	131	2,968,199	120	103,178	1,850	568,250	1,495	260	95	158,723	1,734,054	2,960,028
Wilmington, Ohio	61	247,783	14	12,916	188	78,635	179	8	1	21,860	241,511	440,237
Winchenden, Mass	53	1,454,853	33	38,760	1,238	462,582	973	148	117	45,207	861,523	1,745,925
Winchester, Conn	133	2,971,429	156	170,199	1,746	753,192	1,136	581	29	169,955	1,529,704	2,923,822
Winchester, Ky	50	216,203	6	3,300	111	35,799	87	21	3	13,516	324,629	436,434
Winchester, Mass	52	3,724,461	124	183,098	1,155	606,064	1,113	37	5	178,284	1,855,159	3,257,172
Winchester, N. H	34	551,793	13	11,000	350	144,878	347	3	.....	27,103	488,512	787,829
Winchester, Va	72	561,640	42	27,325	635	128,176	220	336	79	36,101	582,306	890,493
Windham, Conn	114	5,856,194	90	97,980	2,514	948,041	1,240	1,112	162	209,638	1,520,562	3,436,033
Windsor, Conn	40	1,016,549	49	43,200	482	227,127	357	118	7	35,448	508,427	921,829
Windsor Locks, Conn	37	2,117,159	38	53,051	831	331,402	465	350	16	87,298	631,785	1,311,768
Winfield, Kans	75	588,481	26	25,026	209	86,852	190	18	1	24,343	869,327	1,136,346
Winona, Minn	162	6,192,386	204	192,051	2,214	928,400	2,042	147	25	404,187	4,292,845	6,576,382
Winston, N. C	46	4,800,421	247	293,945	3,420	461,214	1,700	1,056	664	2,411,259	1,982,964	5,436,030
Winthrop, Mass	43	106,445	3	1,490	118	60,543	114	4	.....	12,909	100,643	242,111
Woburn, Mass	123	2,983,705	56	65,217	1,596	757,670	1,332	248	16	183,489	3,064,985	4,450,566
Wolfeboro, N. H	32	343,456	14	9,923	276	114,595	202	74	.....	20,163	394,326	586,210
Woodbury, N. J	81	1,129,715	45	41,625	451	258,457	398	9	44	115,420	378,191	988,612
Woonsocket, R. I	242	14,279,361	166	258,715	8,093	3,080,280	4,972	2,635	486	589,795	7,563,204	15,627,539
Wooster, Ohio	97	626,188	47	29,501	447	169,490	360	86	1	37,114	463,725	985,579
Worcester, Mass	1,071	42,966,743	1,480	1,791,000	25,593	12,894,784	20,421	4,589	583	4,258,926	26,666,176	53,348,783
Wrightsville, Pa	34	462,672	30	15,673	427	133,735	336	74	17	31,909	470,759	781,452
Wyandotte, Mich	50	679,947	31	36,555	493	187,822	360	122	11	88,743	542,419	956,055
Xenia, Ohio	106	1,819,614	53	72,051	1,105	394,386	897	207	1	139,647	2,171,360	3,122,797
Yankton, S. Dak	68	217,811	9	3,879	139	63,016	121	12	6	33,568	166,975	350,736
Yoakum, Tex	23	201,097	14	15,580	271	156,782	267	.....	4	8,741	165,378	371,093
Yonkers, N. Y	387	13,097,205	329	453,426	8,615	3,888,892	5,564	2,782	269	1,059,522	10,555,218	19,580,324
York, Pa	464	9,640,784	404	438,281	7,785	2,679,175	5,802	1,501	482	798,453	6,078,070	11,961,706
Youngstown, Ohio	260	22,360,097	434	492,823	9,150	4,951,460	8,905	226	19	968,636	23,541,769	34,801,101
Ypsilanti, Mich	110	898,161	64	54,619	681	233,013	367	314	.....	95,235	725,907	1,318,793
Zanesville, Ohio	293	5,162,067	424	319,864	4,603	1,786,005	3,590	1,000	13	365,338	3,756,489	7,408,839

Twelfth Census of the United States.

CENSUS BULLETIN.

No. 151. WASHINGTON, D. C. March 20, 1902.

AGRICULTURE.

MARYLAND.

Hon. WILLIAM R. MERRIAM,
Director of the Census.

SIR: I have the honor to transmit herewith, for publication in bulletin form, the statistics of agriculture in the state of Maryland, taken in accordance with the provisions of section 7 of the act of March 3, 1899. This section requires that—

> The schedules relating to agriculture shall comprehend the following topics: Name of occupant of each farm, color of occupant, tenure, acreage, value of farm and improvements, acreage of different products, quantity and value of products, and number and value of live stock. All questions as to quantity and value of crops shall relate to the year ending December thirty-first next preceding the enumeration.

A "farm," as defined by the Twelfth Census, includes all the land, under one management, used for raising crops and pasturing live stock, with the wood lots, swamps, meadows, etc., connected therewith. It includes also the house in which the farmer resides, and all other buildings used by him in connection with his farming operations.

The farms of Maryland, June 1, 1900, numbered 46,012, and had a value of $175,178,310, of which amount $54,810,760, or 31.3 per cent, represents the value of buildings, and $120,367,550, or 68.7 per cent, the value of the land and of improvements other than buildings. On the same date the value of farm implements and machinery was $8,611,220, and of live stock, $20,855,877. These values, added to that of farms, give the "total value of farm property," $204,645,407. The products derived from domestic animals, poultry, and bees, including animals sold and animals slaughtered on farms, are referred to in this bulletin as "animal products." The total value of all such products, together with the value of all crops, is termed "total value of farm products." This value for 1899 was $43,823,419, of which amount $13,606,450, or 31.0 per cent, represents the value of animal products, and $30,216,969, or 69.0 per cent, the value of crops, including forest products. The total value of farm products for 1899 exceeds that for 1889 by $17,380,055, or 65.7 per cent.

The "gross farm income" is obtained by deducting from the total value of farm products the value of the products fed to live stock on the farms of the producers. In 1899 the reported value of products fed was $8,769,890, leaving $35,053,529 as the gross farm income. The percentage which this latter amount is of the "total value of farm property" is referred to in the text as the "percentage of gross income upon investment." For Maryland in 1899 it was 17.1 per cent. As no reports of expenditures for taxes, interest, insurance, feed for stock, and similar items have been obtained by any census, no statement of net farm income can be given.

The statistics presented in this bulletin will be treated in greater detail in the final report on agriculture in the United States, which will be published about June 1, 1902. The present publication is designed to present a summarized advance statement for Maryland.

Very respectfully,

L. G. Powers.
Chief Statistician for Agriculture.

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AGRICULTURE IN MARYLAND.

GENERAL STATISTICS.

Maryland has a total area of 12,210 square miles, comprising 2,350 square miles of water surface, including Chesapeake Bay and various water courses, and 9,860 square miles of land surface. Of the latter, 8,078 square miles, or 81.9 per cent, are included in farms.

Topographically, the state may be divided into three sections. The western part, which is traversed by the nearly parallel ranges of the Appalachian system, contains fertile wheat lands and fine peach orchards. The north central region, known as the Piedmont plateau, has a strong, fertile soil, adapted to the cultivation of wheat and corn, and is well suited to grazing. In the southern part of the state and east of the bay the soil is light, and well adapted to truck farming and horticulture. The Washington and Baltimore markets render gardening, fruit raising, and dairying especially remunerative. The excellent transportation facilities afforded by railroads and steamship lines have been of great importance in developing the agricultural resources of the state.

NUMBER AND SIZE OF FARMS.

The following table gives, by decades since 1850, the number of farms, the total and average acreage, and the per cent of farm land improved.

TABLE 1.—FARMS AND FARM ACREAGE: 1850 TO 1900.

YEAR.	Number of farms.	NUMBER OF ACRES IN FARMS.				Per cent of farm land improved.
		Total.	Improved.	Unimproved.	Average.	
1900	46,012	5,170,075	3,516,352	1,653,723	112.4	68.0
1890	40,798	4,952,390	3,412,908	1,539,482	121.4	68.9
1880	40,517	5,119,831	3,342,700	1,777,131	126.4	65.3
1870	27,000	4,512,579	2,914,007	1,598,572	167.1	64.6
1860	25,494	4,835,571	3,002,267	1,833,304	189.7	62.1
1850	21,860	4,634,350	2,797,905	1,836,445	212.0	60.4

Between 1850 and 1900 the number of farms more than doubled. During the last decade there was an increase of 5,214 farms, or 12.8 per cent. The total acreage of farm land, however, has increased but 11.6 per cent since 1850. The increase in the number of farms has been accompanied, therefore, by a decrease in the average size of farms, and the table shows that this decrease has been continuous throughout the period covered.

The acreage of improved land has steadily increased, except during the decade from 1860 to 1870. The rate of increase for the last decade was 3.0 per cent. In 1900 over one-half of the entire land surface of the state was reported as improved farm land.

FARM PROPERTY AND PRODUCTS.

Table 2 presents a summary of the principal statistics relating to farm property and products for each census year, beginning with 1850.

TABLE 2.—VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, AND OF FARM PRODUCTS: 1850 TO 1900.

YEAR.	Total value of farm property.	Land, improvements, and buildings.	Implements and machinery.	Live stock.	Farm products.[1]
1900	$204,645,407	$175,178,310	$8,611,220	$20,855,877	$43,823,419
1890	200,792,960	175,058,550	6,540,090	19,194,320	26,443,364
1880	187,157,266	165,503,341	5,788,197	15,865,728	28,839,281
1870[2]	194,072,058	170,369,684	5,268,676	18,433,698	[3] 35,343,927
1860	164,652,059	145,973,677	4,010,529	14,667,853	----------
1850	97,639,622	87,178,545	2,463,443	7,997,634	----------

[1] For year preceding that designated.
[2] Values for 1870 were reported in depreciated currency. To reduce to specie basis of other figures they must be diminished one-fifth.
[3] Includes betterments and additions to live stock.

Since 1850 the total value of farm property has increased $107,005,785, and in the last ten years, $3,852,447. Of the latter amount, $119,760, or 3.1 per cent, represents the increase in the value of farms; $2,071,130, or 53.8 per cent, in that of implements and machinery; and $1,661,557, or 43.1 per cent, in that of live stock. The value of farm products for 1899 exceeds that reported for 1889 by $17,380,055, or 65.7 per cent. Part of this increase, and of that in implements and machinery, and in live stock, is doubtless the result of a more detailed enumeration in 1900 than heretofore.

COUNTY STATISTICS.

Table 3 gives an exhibit of general agricultural statistics by counties.

TABLE 3.—NUMBER AND ACREAGE OF FARMS, AND VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, JUNE 1, 1900, WITH VALUE OF PRODUCTS OF 1899 NOT FED TO LIVE STOCK, AND EXPENDITURES IN 1899 FOR LABOR AND FERTILIZERS, BY COUNTIES.

COUNTIES.	NUMBER OF FARMS.		ACRES IN FARMS.		VALUES OF FARM PROPERTY.				Value of products not fed to live stock.	EXPENDITURES.	
	Total.	With buildings.	Total.	Improved.	Land and improvements (except buildings).	Buildings.	Implements and machinery.	Live stock.		Labor.	Fertilizers.
The State	46,012	45,364	5,170,075	3,516,352	$120,367,550	$54,810,760	$8,611,220	$20,855,877	$35,053,529	$5,715,520	$2,618,890
Allegany	894	881	160,348	75,905	1,945,000	669,940	136,730	338,974	519,327	58,600	16,480
Anne Arundel	1,889	1,835	206,967	148,325	3,659,970	1,885,740	275,470	598,679	1,882,241	331,670	183,970
Baltimore	4,496	4,422	340,206	244,806	23,190,670	9,295,710	1,235,380	2,259,295	4,850,962	866,030	313,560
Baltimore city	159	154	3,131	2,438	1,527,110	417,010	33,080	69,386	339,034	55,270	3,830
Calvert	1,077	1,046	136,625	88,605	1,546,070	659,100	100,840	306,412	557,196	66,820	46,480
Caroline	1,863	1,849	183,501	125,908	2,874,970	1,051,050	243,080	579,514	1,126,075	125,240	93,290
Carroll	3,352	3,297	276,953	227,693	7,210,730	4,501,850	719,340	1,496,895	2,437,966	336,560	160,000
Cecil	1,633	1,616	200,629	141,401	4,773,490	3,024,820	440,610	984,644	1,507,383	301,840	146,430
Charles	1,900	1,877	263,255	153,465	2,775,240	1,216,610	191,650	578,843	823,675	68,240	48,500
Dorchester	2,007	1,990	243,497	128,160	2,761,440	1,087,720	218,740	628,417	1,049,181	138,960	76,800
Frederick	3,747	3,729	374,381	308,041	12,394,570	5,645,840	855,380	2,160,795	2,735,448	502,250	190,560
Garrett	1,788	1,765	243,510	123,932	2,900,670	992,210	226,210	822,072	869,714	63,600	23,220
Harford	2,481	2,400	248,925	174,255	5,519,510	4,160,860	570,600	1,460,396	2,154,353	372,010	272,960
Howard	1,214	1,198	146,039	110,546	3,494,690	2,275,470	321,990	676,286	1,041,271	217,660	108,410
Kent	941	917	169,288	138,944	4,258,300	1,365,050	276,780	774,715	1,454,329	303,010	112,500
Montgomery	2,085	2,070	283,469	212,840	9,491,930	3,525,170	576,010	1,486,558	2,160,751	418,060	198,370
Prince George	2,374	2,315	265,003	174,273	5,710,630	2,577,410	323,820	712,118	1,482,749	263,210	74,310
Queen Anne	1,456	1,437	224,143	172,396	4,558,610	1,590,780	384,450	1,049,553	1,400,201	288,880	130,330
St. Mary	1,292	1,280	192,503	109,553	1,825,470	870,550	158,530	450,554	686,465	103,570	63,230
Somerset	1,521	1,496	144,970	82,650	1,622,690	995,000	157,020	381,843	770,197	131,070	42,030
Talbot	1,199	1,193	164,792	119,266	4,200,570	1,690,700	304,220	759,581	1,361,877	241,480	89,040
Washington	2,393	2,358	249,221	197,948	8,223,320	3,552,060	516,250	1,221,620	1,967,389	309,750	111,540
Wicomico	2,314	2,278	207,284	122,453	1,923,360	882,320	171,640	469,069	949,203	79,380	60,560
Worcester	1,987	1,961	241,435	132,549	1,978,540	878,290	173,400	589,658	926,542	72,360	52,490

Increases in the number of farms are shown for all counties except Anne Arundel and Howard, which show decreases of 0.8 per cent and 2.9 per cent, respectively. Baltimore city shows the highest percentage of increase, 54.4; next in order come the following counties: Charles, 53.6 per cent; Caroline, 47.5 per cent; and Prince George, 31.8 per cent.

The portion of the land surface included in farms varies from 16.3 per cent in Baltimore city to 99.0 per cent in Carroll county. The average size of farms ranges from 19.7 acres in Baltimore city to 179.9 acres in Kent county. The total acreage in farms increased, in the last decade, in all counties except Anne Arundel, Howard, St. Mary, Baltimore, and Kent, which show decreases of 12.5, 3.5, 2.1, 1.6, and 0.5 per cent, respectively. The decrease in Baltimore city was 11.9 per cent—greater than that in any county except Anne Arundel. The highest percentage of increase was in Allegany county, where it amounted to 22.8 per cent.

More than one-half of the counties in Maryland show increases in the area of improved land, the relative gains being greatest in Caroline, Allegany, Charles, Calvert, Garrett, and Wicomico counties. The greatest relative decreases are shown for Baltimore city, and for Anne Arundel, St. Mary, Worcester, and Howard counties. The per cent of farm land improved varies from 82.3 in Frederick county to 47.3 in Allegany county.

Baltimore, Charles, and Montgomery counties, in the order named, show the largest increases in the value of farms, while the greatest decreases are shown for Queen Anne, Anne Arundel, Talbot, and Howard counties. The average value of farms for the state is $3,807, and varies from $1,212 in Wicomico county to $12,227 in Baltimore city. The ratio of the value of farm buildings to that of farm land ranges from 75.4 per cent in Harford county to 27.3 per cent in Baltimore city.

Anne Arundel county alone shows a decrease, amounting to 1.2 per cent, in the value of implements and machinery. The greatest percentages of increase are for Baltimore city, 202.4, and Calvert county, 122.3. The per cent of increase for the state is 31.7. The average values per farm vary from $74 in Wicomico county to $294 in Kent county.

Decreases in the value of live stock are shown in two instances only, Anne Arundel county, 13.0 per cent, and Baltimore city, 7.4 per cent. The most marked increases are for Charles county, 40.3 per cent; Calvert county, 35.7 per cent; and Worcester county, 35.0 per cent.

The average value per farm of the products of 1899 not fed to live stock varies from $410 in Wicomico county to $2,132 in Baltimore city. Greatest average gross incomes per acre are shown by Baltimore city, $108; Baltimore county, $14; and Anne Arundel county, $9. The lowest average, $3, is shown for Charles county.

The average expenditure per farm for labor, including the value of board furnished, ranges from $34 in Wicomico county to $348 in Baltimore city.

Nearly all of the counties report larger expenditures for fertilizers than in 1890. The greatest increase, 213.6 per cent, is shown for Garrett county. The average expenditure per farm ranges from $13 in Garrett county to $120 in Kent county.

FARM TENURE.

Table 4 gives a comparative exhibit of farm tenure for 1880, 1890, and 1900. In Table 5 the tenure of farms for 1900 is given by race of farmer, the farms operated by owners being subdivided into four groups, designated as farms operated by "owners," "part owners," "owners and tenants," and "managers." These groups comprise, respectively: (1) Farms operated by individuals who own all the land they cultivate; (2) farms operated by individuals who own a part of the land and rent the remainder from others; (3) farms operated under the joint direction and by the united labor of two or more individuals, one owning the farm or a part of it, and the other, or others, owning no part, but receiving for supervision or labor a share of the products; and (4) farms operated by individuals who receive for their supervision and other services a fixed salary from the owners.

The farms operated by tenants are divided into two groups, designated as farms operated by "cash tenants" and "share tenants." These groups comprise, respectively: (1) Farms operated by individuals who pay a rental in cash or a stated amount of labor or farm produce; (2) farms operated by individuals who pay as rental a stated share of the products.

TABLE 4.—NUMBER AND PER CENT OF FARMS OF SPECIFIED TENURES: 1880 TO 1900.

YEAR.	Total number of farms.	NUMBER OF FARMS OPERATED BY—			PER CENT OF FARMS OPERATED BY—		
		Owners.[1]	Cash tenants.	Share tenants.	Owners.[1]	Cash tenants.	Share tenants.
1900	46,012	30,565	4,056	11,391	66.4	8.8	24.8
1890	40,798	28,154	3,245	9,399	69.0	8.0	23.0
1880	40,517	27,978	3,878	8,661	69.0	9.6	21.4

[1] Including "part owners," "owners and tenants," and "managers."

TABLE 5.—FARMS OF SPECIFIED TENURES, JUNE 1, 1900, CLASSIFIED BY RACE OF FARMER, WITH PERCENTAGES.

PART 1.—NUMBER OF FARMS OF SPECIFIED TENURES.

RACE.	Total number of farms.	Owners.	Part owners.	Owners and tenants.	Managers.	Cash tenants.	Share tenants.
The State	46,012	27,838	1,495	180	1,052	4,056	11,391
White	40,169	24,956	1,124	171	947	3,493	9,478
Colored[1]	5,843	2,882	371	9	105	563	1,913

PART 2.—PER CENT OF FARMS OF SPECIFIED TENURES.

The State	100.0	60.5	3.2	0.4	2.3	8.8	24.8
White	100.0	62.1	2.8	0.4	2.4	8.7	23.6
Colored[1]	100.0	49.3	6.4	0.2	1.8	9.6	32.7

[1] Including 1 Chinese.

The number of farms operated by owners has increased 9.2 per cent since 1880, each decade showing a gain. The number of cash tenants reported in 1890 was less than in 1880, but in the last decade it has increased 25.0 per cent. The number of share tenants increased in both decades, the rate for the twenty years being 31.5 per cent. The percentages show that the number of farms operated by owners has not increased so rapidly since 1880 as the number operated by share tenants, or so rapidly since 1890 as the number operated by cash tenants.

Of the farms of the state, 87.3 per cent are operated by white farmers and 12.7 per cent by colored farmers. Of the white farmers, 65.3 per cent own all or part of the farms they operate, and 34.7 per cent operate farms owned by others; for colored farmers the corresponding percentages are 55.9 and 44.1.

No previous census has reported the number of farms operated by "part owners," "owners and tenants," or "managers," but it is believed that the number of farms conducted by the last-named class is constantly increasing.

OWNERSHIP OF RENTED FARMS.

The ownership of 14,608 of the 15,447 rented farms in Maryland was ascertained by the enumerators; that of 839 was not reported. Titles to the 14,608 farms are vested in 11,792 owners, an average of approximately 124 farms to every 100 owners. Of the 11,792 owners or landlords, 10,235 possess one farm each; 1,007 own 2 each; 311, 3; 96, 4; 42, 5; 26, 6; 27, 7; 18, 8; 17, 9; 2, 10; 3, 11; 3, 13; and the remaining 5 own 12, 15, 19, 20, and 32 farms, respectively.

Of these landlords, 10,375, possessing 12,928 rented farms, reside in Maryland. The owners of 10,725 of these farms live in the counties in which their farms are located. Of the nonresident owners, 783 live in the South Atlantic states, 552 in the North Atlantic states, 55 in the North Central states, 14 in the South Central states, 9 in the Western states, and 4 in foreign countries.

FARMS CLASSIFIED BY RACE OF FARMER AND BY TENURE.

Tables 6 and 7 present the principal statistics for farms classified by race of farmer and by tenure.

TABLE 6.—NUMBER AND ACREAGE OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY RACE OF FARMER AND BY TENURE, WITH PERCENTAGES.

RACE OF FARMER, AND TENURE.	Number of farms.	NUMBER OF ACRES IN FARMS.			VALUE OF FARM PROPERTY.	
		Average.	Total.	Per cent.	Total.	Per cent.
The State	46,012	112.4	5,170,075	100.0	$204,645,407	100.0
White farmers	40,169	119.4	4,795,774	92.8	196,435,535	96.0
Colored farmers[1]	5,843	64.1	374,301	7.2	8,209,872	4.0
Owners	27,838	93.9	2,615,068	50.6	106,956,612	52.3
Part owners	1,495	105.9	158,332	3.0	6,185,489	3.0
Owners and tenants	180	145.8	26,242	0.5	896,103	0.4
Managers	1,052	195.6	205,754	4.0	13,905,084	6.8
Cash tenants	4,056	96.5	391,494	7.6	20,362,690	10.0
Share tenants	11,391	155.7	1,773,185	34.3	56,339,429	27.5

[1] Including 1 Chinese.

TABLE 7.—AVERAGE VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, AND AVERAGE GROSS INCOME PER FARM, WITH PER CENT OF GROSS INCOME ON TOTAL INVESTMENT IN FARM PROPERTY, CLASSIFIED BY RACE OF FARMER AND BY TENURE.

RACE OF FARMER, AND TENURE.	AVERAGE VALUES PER FARM OF—					Per cent of gross income on total investment in farm property.
	Farm property, June 1, 1900.				Gross income (products of 1899 not fed to live stock).	
	Land and improvements (except buildings).	Buildings.	Implements and machinery.	Live stock.		
The State	$2,616	$1,191	$187	$454	$762	17.1
White farmers	2,876	1,314	206	494	832	17.0
Colored farmers[1]	830	348	57	170	280	19.9
Owners	2,098	1,144	183	417	701	18.2
Part owners	2,369	1,158	171	439	750	18.1
Owners and tenants	2,753	1,544	210	471	862	17.3
Managers	8,369	3,616	384	849	1,274	9.6
Cash tenants	3,513	989	150	368	697	13.9
Share tenants	3,060	1,153	195	538	886	17.9

[1] Including 1 Chinese.

The value of the farms owned by colored people, including implements, machinery, and live stock, is $2,859,822; the value of the implements, machinery, and live stock on farms operated by colored managers and tenants is $739,330. The total, $3,599,152, is doubtless somewhat in excess of the actual wealth of the colored farmers of Maryland, as it is improbable that the colored managers and tenants own all of the machinery and live stock on the farms which they operate.

Farms operated by owners have the smallest average area, 93.9 acres, and those conducted by managers the largest, 195.6 acres. A number of the farms operated by managers are adjuncts of public institutions, while others are conducted for wealthy individuals, in connection with their summer homes. These farms are, as a rule, favorably located and highly improved, and the average values of their several forms of farm property, shown in Table 7, are much larger than those of any other class of farms grouped by tenure. The ratio which the gross income bears to the total value of farm property is, however, smaller than for any other group. This is due to the high average valuation of the farm property, and to the fact that some of these farms are not cultivated for profit.

FARMS CLASSIFIED BY AREA.

Tables 8 and 9 present the principal statistics for farms classified by area.

TABLE 8.—NUMBER AND ACREAGE OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY AREA, WITH PERCENTAGES.

AREA.	Number of farms.	NUMBER OF ACRES IN FARMS.			VALUE OF FARM PROPERTY.	
		Average.	Total.	Per cent.	Total.	Per cent.
The State	46,012	112.4	5,170,075	100.0	$204,645,407	100.0
Under 3 acres	442	2.3	1,006	(1)	717,439	0.4
3 to 9 acres	3,393	6.6	22,439	0.4	4,284,225	2.1
10 to 19 acres	4,315	13.7	59,329	1.2	7,753,748	3.8
20 to 49 acres	7,683	33.1	254,342	4.9	19,264,010	9.4
50 to 99 acres	9,307	70.8	658,833	12.7	30,971,499	15.1
100 to 174 acres	11,543	129.4	1,494,118	28.9	57,728,199	28.2
175 to 259 acres	5,389	208.9	1,125,588	21.8	38,782,935	19.0
260 to 499 acres	3,270	330.5	1,080,882	20.9	33,447,440	16.3
500 to 999 acres	591	600.4	354,853	6.9	9,248,458	4.5
1,000 acres and over	79	1,502.3	118,685	2.3	2,447,454	1.2

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

TABLE 9.—AVERAGE VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, AND AVERAGE GROSS INCOME PER FARM, WITH PER CENT OF GROSS INCOME ON TOTAL INVESTMENT IN FARM PROPERTY, CLASSIFIED BY AREA.

AREA.	AVERAGE VALUES PER FARM OF—					Per cent of gross income on total investment in farm property.
	Farm property, June 1, 1900.				Gross income (products of 1899 not fed to live stock).	
	Land and improvements (except buildings).	Buildings.	Implements and machinery.	Live stock.		
The State	$2,616	$1,191	$187	$454	$762	17.1
Under 3 acres	714	730	70	109	374	23.1
3 to 9 acres	555	541	60	107	215	17.1
10 to 19 acres	937	643	78	139	279	15.6
20 to 49 acres	1,398	796	103	210	393	15.7
50 to 99 acres	1,874	964	155	335	564	16.9
100 to 174 acres	2,915	1,315	226	545	926	18.5
175 to 259 acres	4,383	1,733	298	783	1,251	17.4
260 to 499 acres	6,445	2,327	374	1,083	1,706	16.7
500 to 999 acres	10,027	3,586	526	1,510	2,401	15.3
1,000 acres and over	21,151	6,913	802	2,114	3,191	10.3

The group of medium-sized farms, containing from 100 to 174 acres each, comprises a larger total acreage than any other group and represents a greater value in farm property.

Except for farms of less than 3 acres, the average values for the groups of farms given in Table 9 rise in unbroken series as the farms increase in size. For the group of farms of less than 3 acres each, the average values are relatively high, as this group includes 70 of the 121 florists' establishments of the state, and a large number of city dairies. It should be borne in mind that the incomes from these industries are determined not so much by the acreage of

land used as by the amount of capital invested and the amounts expended for labor and fertilizers.

The average gross incomes per acre for the various groups classified by area are as follows: Farms under 3 acres, $165; 3 to 9 acres, $33; 10 to 19 acres, $20; 20 to 49 acres, $12; 50 to 99 acres, $8; 100 to 174 acres, $7; 175 to 259 acres, $6; 260 to 499 acres, $5; 500 to 999 acres, $4; 1,000 acres and over, $2. It will be noted that the average gross income per acre decreases as the farms increase in size.

FARMS CLASSIFIED BY PRINCIPAL SOURCE OF INCOME.

In Tables 10 and 11 the farms are classified by principal source of income. If the value of the hay and grain raised on any farm exceeds that of any other crop and constitutes at least 40 per cent of the total value of products not fed to live stock, the farm is classified as a hay and grain farm. If vegetables are the leading crop, constituting 40 per cent of the value of the products, it is a vegetable farm. The farms of the other groups are classified in accordance with the same general principle. "Miscellaneous" farms are those whose operators do not derive 40 per cent of their income from any one class of farm products. Farms with no income in 1899 are classified according to the agricultural operations upon other farms in the same locality.

TABLE 10.—NUMBER AND ACREAGE OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY PRINCIPAL SOURCE OF INCOME, WITH PERCENTAGES.

PRINCIPAL SOURCE OF INCOME.	Number of farms.	NUMBER OF ACRES IN FARMS.			VALUE OF FARM PROPERTY.	
		Average.	Total.	Per cent.	Total.	Per cent.
The State	46,012	112.4	5,170,075	100.0	$204,645,407	100.0
Hay and grain	10,458	170.7	1,785,521	34.5	78,076,656	38.2
Vegetables	4,718	70.4	331,970	6.4	18,228,834	8.9
Fruit	1,694	66.3	112,377	2.2	4,595,662	2.2
Live stock	11,897	80.6	958,339	18.5	32,895,634	16.1
Dairy produce	3,041	96.1	292,259	5.7	20,730,657	10.1
Tobacco	3,056	148.8	454,716	8.8	8,939,594	4.4
Sugar	15	161.4	2,421	0.1	59,648	(1)
Flowers and plants	121	7.6	924	(1)	877,098	0.4
Nursery products	15	245.7	3,685	0.1	309,468	0.2
Miscellaneous	10,997	111.7	1,227,863	23.7	39,932,156	19.5

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

TABLE 11.—AVERAGE VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, AND AVERAGE GROSS INCOME PER FARM, WITH PER CENT OF GROSS INCOME ON TOTAL INVESTMENT IN FARM PROPERTY, CLASSIFIED BY PRINCIPAL SOURCE OF INCOME.

PRINCIPAL SOURCE OF INCOME.	AVERAGE VALUES PER FARM OF—					Per cent of gross income on total investment in farm property.
	Farm property June 1, 1900.				Gross income (products of 1899 not fed to live stock).	
	Land and improvements (except buildings).	Buildings.	Implements and machinery.	Live stock.		
The State	$2,616	$1,191	$187	$454	$762	17.1
Hay and grain	4,678	1,777	294	717	1,186	15.9
Vegetables	2,411	1,044	169	240	821	21.3
Fruit	1,547	819	121	226	739	27.3
Live stock	1,432	850	130	353	439	15.9
Dairy produce	4,108	1,765	250	694	1,020	15.0
Tobacco	1,607	817	107	394	590	20.2
Sugar	2,293	840	327	517	757	19.0
Flowers and plants	3,766	3,200	194	89	2,909	40.1
Nursery products	16,127	3,127	496	881	9,116	44.2
Miscellaneous	2,026	1,044	170	391	627	17.3

For the several classes of farms the average values per acre of products not fed to live stock are: Flowers and plants, $380.88; nursery products, $37.11; vegetables, $11.67; fruit, $11.14; dairy produce, $10.61; hay and grain, $6.95; live stock, $5.45; sugar, $4.69; tobacco, $3.97; and miscellaneous, $5.61.

The wide variations shown in the average gross income and in percentage of gross income upon investment are due largely to the fact that in computing gross income no deduction is made for expenditures. For florists' establishments, nurseries, and market gardens the average expenditure for such items as labor and fertilizers represents a far larger percentage of the gross income than in the case of "hay and grain," "live stock," or "miscellaneous" farms. Were it possible to present the average net incomes, the variations shown would be comparatively slight.

FARMS CLASSIFIED BY REPORTED VALUE OF PRODUCTS NOT FED TO LIVE STOCK.

Tables 12 and 13 present data relating to farms classified by reported value of products not fed to live stock.

TABLE 12.—NUMBER AND ACREAGE OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY REPORTED VALUE OF PRODUCTS NOT FED TO LIVE STOCK, WITH PERCENTAGES.

VALUE OF PRODUCTS NOT FED TO LIVE STOCK.	Number of farms.	NUMBER OF ACRES IN FARMS.			VALUE OF FARM PROPERTY.	
		Average.	Total.	Per cent.	Total.	Per cent.
The State	46,012	112.4	5,170,075	100.0	$204,645,407	100.0
$0	233	86.4	20,121	0.4	508,660	0.2
$1 to $49	1,160	28.1	32,554	0.6	1,057,930	0.5
$50 to $99	2,442	35.1	85,657	1.7	2,662,970	1.3
$100 to $249	8,987	50.1	449,907	8.7	13,417,950	6.6
$250 to $499	11,030	81.2	895,781	17.3	27,267,340	13.3
$500 to $999	10,934	125.7	1,374,914	26.6	48,601,470	23.8
$1,000 to $2,499	9,359	185.9	1,739,808	33.7	79,050,367	38.6
$2,500 and over	1,867	306.0	571,333	11.0	32,078,720	15.7

TABLE 13.—AVERAGE VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, AND AVERAGE GROSS INCOME PER FARM, WITH PER CENT OF GROSS INCOME ON TOTAL INVESTMENT IN FARM PROPERTY, CLASSIFIED BY REPORTED VALUE OF PRODUCTS NOT FED TO LIVE STOCK.

VALUE OF PRODUCTS NOT FED TO LIVE STOCK.	AVERAGE VALUES PER FARM OF—					Per cent of gross income on total investment in farm property.
	Farm property, June 1, 1900.				Gross income (products of 1899 not fed to live stock).	
	Land and improvements (except buildings).	Buildings.	Implements and machinery.	Live stock.		
The State	$2,616	$1,191	$187	$454	$762	17.1
$0	1,381	651	50	101		
$1 to $49	518	308	26	60	32	3.5
$50 to $99	591	366	50	83	74	6.8
$100 to $249	800	490	59	144	172	11.5
$250 to $499	1,358	751	106	257	360	14.5
$500 to $999	2,568	1,221	196	460	707	15.9
$1,000 to $2,499	5,055	2,147	362	882	1,542	18.3
$2,500 and over	10,951	3,893	653	1,685	3,831	22.3

There are 233 farms, ranging in area from 3 to 1,000 acres, which report no income. The comparatively high average values of the land and buildings of these farms indicate that many of them are summer homes held for pleasure and not for profit. Some, however, are farms which were partially abandoned in 1899, while others had changed owners or tenants, and the persons in charge, June 1, 1900, were unable to give definite information concerning the products of the preceding year. To this extent the reports fall short of giving a complete exhibit of farm income in 1899.

LIVE STOCK.

At the request of the various live-stock associations of the country, a new classification of domestic animals was adopted for the Twelfth Census. The age grouping for neat cattle was determined in accordance with their present and prospective relations to the dairy industry and the supply of meat products. Horses and mules are classified by age, and neat cattle and sheep by age and sex. The new classification permits a very close comparison with the figures published in previous census reports.

Table 14 presents a summary of live-stock statistics.

TABLE 14.—NUMBER OF DOMESTIC ANIMALS, FOWLS, AND BEES ON FARMS, JUNE 1, 1900, WITH TOTAL AND AVERAGE VALUES, AND NUMBER OF DOMESTIC ANIMALS NOT ON FARMS.

LIVE STOCK.	Age in years.	ON FARMS.			NOT ON FARMS.
		Number.	Value.	Average value.	Number.
Calves	Under 1	55,465	$453,971	$8.18	1,164
Steers	1 and under 2	13,693	219,247	16.01	284
Steers	2 and under 3	14,068	385,354	27.39	166
Steers	3 and over	13,689	494,255	36.11	1,053
Bulls	1 and over	10,027	246,334	24.57	117
Heifers	1 and under 2	28,930	495,742	17.14	761
Cows kept for milk	2 and over	147,284	4,339,777	29.47	10,282
Cows and heifers not kept for milk.	2 and over	9,490	218,441	23.02	287
Colts	Under 1	8,942	231,074	25.84	300
Horses	1 and under 2	9,938	455,204	45.80	280
Horses	2 and over	130,114	8,666,416	66.61	39,154
Mule colts	Under 1	405	15,192	37.51	4
Mules	1 and under 2	1,136	66,408	58.46	68
Mules	2 and over	15,970	1,312,922	82.21	2,151
Asses and burros	All ages	69	6,810	98.70	72
Lambs	Under 1	79,581	268,248	3.37	627
Sheep (ewes)	1 and over	101,006	381,448	3.78	2,133
Sheep (rams and wethers)	1 and over	10,514	46,835	4.45	215
Swine	All ages	317,902	1,329,143	4.18	41,910
Goats	All ages	1,179	4,023	3.41	384
Fowls:[1]					
Chickens[2]		2,113,544	1,158,020		
Turkeys		101,782			
Geese		33,389			
Ducks		56,930			
Bees (swarms of)		28,013	61,013	2.18	
Value of all live stock on farms.			20,855,877		

[1] The number reported is of fowls over 3 months old. The value is of all old and young.
[2] Including Guinea fowls.

The total value of all live stock on farms, June 1, 1900, was $20,855,877. Of this amount 44.8 per cent represents the value of horses; 20.8 per cent, that of dairy cows; 12.1 per cent, that of other neat cattle; 6.7 per cent, that of mules and asses; 6.4 per cent, that of swine; 5.6 per cent, that of poultry; 3.3 per cent, that of sheep; and 0.3 per cent, that of all other live stock.

No reports were received concerning the value of live stock not on farms, but it is probable that such animals have higher average values than those on farms. Allowing the same averages, however, the total value of all live stock in the state, exclusive of the poultry and bees not on farms, is approximately $24,240,000.

CHANGES IN LIVE STOCK ON FARMS.

The following table shows the changes since 1850 in the number of the most important domestic animals.

TABLE 15.—NUMBER OF SPECIFIED DOMESTIC ANIMALS ON FARMS: 1850 TO 1900.

YEAR.	Dairy cows.	Other neat cattle.	Horses.	Mules and asses.	Sheep.[1]	Swine.
1900	147,284	145,362	148,994	17,580	111,520	317,902
1890	142,198	124,991	130,395	14,161	132,329	312,020
1880	122,907	139,633	117,796	12,561	171,184	335,408
1870	94,794	120,565	89,696	9,830	129,697	257,893
1860	99,463	153,778	93,406	9,829	155,765	387,756
1850	86,856	132,730	75,684	5,644	177,902	352,911

[1] Lambs not included.

In every decade except 1860 to 1870, there has been an increase in the number of dairy cows, the gain for the last

decade being 5,086, or 3.6 per cent. The number reported in 1900 is exclusive of 9,490 "cows not kept for milk" (see Table 14), many of which were doubtless milch cows dry at the time of enumeration. The number of "other neat cattle" in 1900 includes 55,465 calves. It is uncertain whether calves were reported under this head in 1890. If not, their number should be deducted when making comparisons with reports for previous years, in which case a decrease of 35,094, or 28.1 per cent, would be shown for the last decade in the number of "other neat cattle."

In many parts of the state the gradual transfer of labor and capital from general farming to horticulture and market gardening, has necessitated the introduction of new and improved machinery and consequently of more work horses. The number of horses has increased 96.9 per cent since 1850. This increase has been almost continuous, and in the last decade amounted to 14.3 per cent. Mules and asses have increased steadily in number since 1850. The census of 1900 shows 24.1 per cent more than were reported in 1890.

Sheep and swine have fluctuated in number from decade to decade, but since 1890 a decrease of 15.7 per cent is shown for sheep, and an increase of 1.9 per cent for swine.

In comparing the poultry report for 1900 (see Table 14) with that for 1890, it should be borne in mind that in 1900 the enumerators were instructed not to report fowls less than three months old, while in 1890 no such limitation was made. This fact explains to a great extent the decrease shown in the number of fowls of all kinds. Compared with the figures for 1890, the present census shows decreases in the number of fowls as follows: Chickens, 38.4 per cent; geese, 63.4 per cent; turkeys, 63.5 per cent; and ducks, 75.5 per cent.

ANIMAL PRODUCTS.

Table 16 is a summarized exhibit of the animal products of 1899.

TABLE 16.—QUANTITIES AND VALUES OF SPECIFIED ANIMAL PRODUCTS, AND VALUES OF POULTRY RAISED, ANIMALS SOLD, AND ANIMALS SLAUGHTERED ON FARMS, IN 1899.

PRODUCTS.	Unit of measure.	Quantity.	Value.
Wool	Pounds	632,119	$142,966
Milk	Gallons	[1] 64,040,517	5,228,698
Butter	Pounds	9,096,662	
Cheese	Pounds	338,453	
Eggs	Dozens	12,511,450	1,572,682
Poultry			2,077,490
Honey	Pounds	306,788	38,857
Wax	Pounds	7,860	
Animals sold			2,372,560
Animals slaughtered			2,173,197
Total			13,606,450

[1] Includes all milk produced.

The value of the animal products of the state in 1899 was $13,606,450, or 31.0 per cent of the value of all farm products and 38.8 per cent of the gross farm income. Of the above amount, 38.4 per cent represents the value of dairy products; 33.4 per cent, that of animals sold and animals slaughtered on farms; 26.8 per cent, that of poultry and eggs; and 1.4 per cent, that of wool, honey, and wax.

DAIRY PRODUCTS.

In 1899 the proprietors of 3,041 farms, or 6.6 per cent of the farms of the state, derived their principal income from dairy produce. The production of milk in 1899 was 17,439,299 gallons greater than in 1889, a gain of 37.4 per cent.

The quantity of milk sold was 20,654,446 gallons. The milk sold in 1889 was not separately reported, but since 1879 there has been a gain of 15,931,502 gallons, or 337.3 per cent, the quantity sold having greatly increased in every county except Howard, which shows a small decrease, due, doubtless, to the lack of facilities for transportation in most parts of the county.

Of the $5,228,698 given in Table 16 as the value of all dairy products in 1899, $1,709,854, or 32.7 per cent, represents the value of such products consumed on farms, and $3,518,844, or 67.3 per cent, the amount derived from sales. Of the latter sum, $2,364,319 was realized from 20,654,446 gallons of milk; $1,069,755, from 5,828,684 pounds of butter; $70,041, from 135,169 gallons of cream; and $14,729, from 328,577 pounds of cheese.

In 1879, 7,485,871 pounds of butter were made on farms; in 1889, 9,999,602 pounds; and in 1899, 9,096,662 pounds. The decrease in the last decade is due chiefly to the transfer of butter making from the farm to the creamery, and to the increased demand for milk and cream in cities.

POULTRY AND EGGS.

Of the $3,650,172 given as the value of the products of the poultry industry, 56.9 per cent represents the value of poultry raised, and 43.1 per cent the value of eggs. The total number of dozens of eggs produced in 1879 was 4,984,776; in 1889, 8,718,593; and in 1899, 12,511,450. The increase in the last decade tends to confirm the statement, made elsewhere, that the decrease in the number of chickens reported in 1900 as compared with the number reported in 1890 is only apparent, being a result of a difference in the methods of enumeration.

WOOL.

Garrett county leads in the production of wool. The production for the state was greatest in 1880, when 850,084 pounds were reported. Since that time there has been a decrease, although the production is now 16.4 per cent greater than it was in 1890.

HONEY AND WAX.

In 1889, 301,157 pounds of honey and 5,946 pounds of wax were reported, while in 1899 the production of honey was 306,788 pounds, and of wax 7,860 pounds. In both years the counties having the greatest production were Garrett, Washington, Baltimore, Frederick, and Wicomico.

HORSES AND DAIRY COWS ON SPECIFIED CLASSES OF FARMS.

Table 17 presents, for the leading groups of farms, the number of farms reporting horses and dairy cows, the

total number of these animals, and the average number per farm. In computing the averages presented, only those farms which report the kind of stock under consideration are included.

TABLE 17.—HORSES AND DAIRY COWS ON SPECIFIED CLASSES OF FARMS, JUNE 1, 1900.

CLASSES.	HORSES.			DAIRY COWS.		
	Farms reporting.	Number.	Average per farm.	Farms reporting.	Number.	Average per farm.
Total	41,598	148,994	3.6	36,009	147,284	4.1
White farmers	36,856	138,789	3.8	33,208	142,037	4.3
Colored farmers	4,742	10,205	2.2	2,801	5,247	1.9
Owners[1]	26,462	85,333	3.2	23,068	86,683	3.8
Managers	987	5,165	5.2	877	4,964	5.7
Cash tenants	3,463	10,822	3.1	2,692	11,490	4.3
Share tenants	10,686	47,674	4.5	9,372	44,147	4.7
Under 20 acres	5,961	9,267	1.6	4,042	7,411	1.8
20 to 99 acres	15,429	36,832	2.4	13,153	36,144	2.7
100 to 174 acres	11,041	44,314	4.0	10,209	46,976	4.6
175 to 259 acres	5,287	29,455	5.6	4,958	29,152	5.9
260 acres and over	3,880	29,126	7.5	3,647	27,601	7.6
Hay and grain	9,777	55,739	5.7	8,860	49,815	5.6
Vegetable	3,164	7,294	2.3	2,154	6,244	2.9
Fruit	1,407	2,637	1.9	1,271	1,550	1.2
Live stock	10,933	28,812	2.6	9,130	27,417	3.0
Dairy	2,732	10,455	3.8	3,041	26,538	8.7
Tobacco	2,847	11,607	4.1	2,429	5,587	2.3
Miscellaneous[2]	10,738	32,450	3.0	9,124	30,138	3.3

[1] Including "part owners" and "owners and tenants."
[2] Including sugar farms, florists' establishments, and nurseries.

CROPS.

The following table gives the statistics of the principal crops grown in 1899.

TABLE 18.—ACREAGES, QUANTITIES, AND VALUES OF THE PRINCIPAL FARM CROPS IN 1899.

CROPS.	Acres.	Unit of measure.	Quantity.	Value.
Corn	658,010	Bushels	19,766,510	$7,462,594
Wheat	634,446	Bushels	9,671,800	6,484,088
Oats	44,625	Bushels	1,109,560	340,475
Barley	1,515	Bushels	42,560	18,776
Rye	21,621	Bushels	279,550	141,433
Buckwheat	8,047	Bushels	115,950	58,623
Kafir corn	1	Bushels	6	3
Flaxseed	3	Bushels	50	41
Clover seed		Bushels	10,484	45,761
Grass seed		Bushels	616	1,019
Hay and forage	374,848	Tons	507,042	4,709,072
Tobacco	42,911	Pounds	24,589,480	1,438,169
Hops	(1)	Pounds	280	21
Broom corn	93	Pounds	35,910	1,658
Peanuts	7	Bushels	143	137
Dry beans	605	Bushels	4,754	7,088
Dry pease	947	Bushels	12,459	12,725
Potatoes	26,472	Bushels	1,991,357	1,020,003
Sweet potatoes	6,469	Bushels	677,348	317,462
Onions	503	Bushels	56,148	33,308
Miscellaneous vegetables	99,900			3,944,959
Maple sugar		Pounds	264,160	20,561
Maple sirup		Gallons	5,825	3,622
Sorghum cane	63	Tons	[2]91	314
Sorghum sirup		Gallons	4,058	1,559
Small fruits	17,516			1,181,054
Grapes	[3]775	Centals	16,859	[4]43,282
Orchard fruits	[3]91,073			[5]1,266,047
Tropical fruits				2
Nuts				2,055
Forest products				1,170,362
Flowers and plants	174			355,862
Seeds	54			7,183
Nursery products	1,275			123,474
Willows	23	Pounds	284,000	2,838
Miscellaneous				1,389
Total	2,031,976			30,216,969

[1] Less than 1 acre.
[2] Sold as cane.
[3] Estimated from number of vines or trees.
[4] Including value of raisins, wine, etc.
[5] Including value of cider, vinegar, etc.

Of the total value of crops, cereals contributed 48.0 per cent; vegetables, including potatoes, sweet potatoes, and onions, 17.6 per cent; hay and forage, 15.6 per cent; fruits and nuts, 8.2 per cent; tobacco, 4.8 per cent; and all other products, 5.8 per cent.

The average values per acre of the various crops are as follows: Flowers and plants, $2,045; nursery products, $97; small fruits, $67; onions, $66; sweet potatoes, $49; miscellaneous vegetables, $39; potatoes, $39; tobacco, $34; orchard fruits, $14; hay and forage, $13; and cereals, $11. The crops yielding the highest average returns per acre were grown upon very highly improved land. Their production requires a relatively great amount of labor, and large expenditures for fertilizers.

CEREALS.

The following table is an exhibit of the changes in cereal production since 1849.

TABLE 19.—ACREAGE AND PRODUCTION OF CEREALS: 1849 TO 1899.

PART 1.—ACREAGE.

YEAR.[1]	Barley.	Buckwheat.	Corn.	Oats.	Rye.	Wheat.
1899	1,515	8,047	658,010	44,625	21,621	634,446
1889	818	7,569	586,817	99,195	34,302	510,727
1879	226	10,294	664,928	101,127	32,405	569,296

[1] No statistics of acreage were secured prior to 1879.

PART 2.—BUSHELS PRODUCED.

1899	42,560	115,950	19,766,510	1,109,560	279,550	9,671,800
1889	18,778	96,747	14,928,142	2,019,658	352,596	8,348,177
1879	6,097	136,667	15,968,533	1,794,872	288,067	8,004,804
1869	11,315	77,867	11,701,817	3,221,643	307,089	5,774,503
1859	17,350	212,338	13,444,922	3,959,298	518,901	6,103,480
1849	745	103,671	10,749,858	2,242,151	226,014	4,494,680

The total area devoted to cereals in 1879 was 1,378,276 acres; in 1889, 1,239,428 acres; and in 1899, 1,368,264 acres. There was a gain in the last decade of 10.4 per cent, and a loss in the last twenty years of 0.7 per cent. Of the total area in cereals in 1899, 48.1 per cent was devoted to corn, 46.4 per cent to wheat, 3.2 per cent to oats, 1.6 per cent to rye, 0.6 per cent to buckwheat, and 0.1 per cent to barley.

The principal cereal crops are corn and wheat, which are grown throughout the state. Corn was raised on 41,249 farms, or 89.6 per cent of the total number; wheat on 26,312 farms, or 57.2 per cent of the total. The acreage in each of these cereals increased during the last decade in every county except Calvert, which showed a slight decrease in wheat. Frederick county reported the largest acreage and production of both wheat and corn.

Most of the barley and rye is raised in Carroll, Frederick, Baltimore, and Montgomery counties. The total acreage in barley increased 85.2 per cent in the last decade, 99.4 per cent of the gain being in the four counties named. The total acreage in rye shows a loss of 37.0 per cent, decreases being shown by nearly all counties.

An increase since 1890 of 6.3 per cent in the acreage in buckwheat, and a decrease of 55.0 per cent in the acreage

in oats, are shown. Garrett county leads in the production of these cereals, having reported 64.3 per cent of the acreage devoted to buckwheat, and 23.2 per cent of the acreage in oats.

The 658,010 acres given in Table 19 as the area devoted to corn in 1899 is exclusive of 100,409 acres of corn, nonsaccharine sorghum, and similar crops grown for forage or ensilage.

ORCHARD FRUITS.

The changes in orchard fruits since 1890 are shown in the following table:

TABLE 20.—ORCHARD TREES AND FRUITS: 1890 AND 1900.

FRUITS.	NUMBER OF TREES.		BUSHELS OF FRUIT.	
	1900.	1890.	1899.	1889.
Apples	1,824,183	1,297,239	3,150,673	1,410,413
Apricots	2,010	912	313	101
Cherries	70,014	34,541	60,452	12,575
Peaches	4,017,854	6,113,287	172,303	803,019
Pears	690,483	274,543	301,702	60,292
Plums and prunes	100,695	13,865	19,945	2,359

The most noteworthy changes between 1890 and 1900 are an increase of 40.6 per cent in the number of apple trees and a decrease of 34.3 per cent in the number of peach trees. In 1890, 16.8 per cent of all fruit trees in the state were apple trees, and 79.0 per cent were peach trees, while in 1900 the corresponding percentages were 27.2 and 59.9. The number of apple trees increased in every county except Kent, the largest relative increases being in Baltimore city and in Wicomico, Charles, Washington, and Garrett counties.

The largest numbers of peach trees are grown in Washington, Caroline, Queen Anne, Kent, and Anne Arundel counties. These counties reported in 1899, 70.8 per cent of all the peach trees in the state. The production of peaches for the state was only 172,303 bushels from 4,017,854 trees, the frosts of 1899 having almost wholly destroyed the crop. Kent and Queen Anne counties reported 1,995,612 fewer trees than in 1889.

Every county shows a large increase in the number of pear trees. In Baltimore city there has been a large decrease. Kent, Queen Anne, Baltimore, Anne Arundel, Cecil, Caroline, and Prince George are the leading pear-growing counties, and report the largest gains for the decade.

The gain in the number of cherry trees, 102.7 per cent, was widely distributed, being everywhere apparent except in Kent, St. Mary, Worcester, Dorchester, and in Baltimore city. The number of plum and prune trees increased 626.3 per cent, Talbot being the only county to report a decrease.

In addition to the number of trees shown in Table 20, unclassified orchard trees to the number of 7,305 were reported, with a yield of 5,278 bushels of fruit. The value of orchard products given in Table 18 includes the value of 42,539 barrels of cider, 12,655 barrels of vinegar, and 89,770 pounds of dried and evaporated fruits.

GRAPES.

Grapes were grown by 6,592 farmers, who obtained, in 1899, 16,859 centals of fruit from 387,492 vines. The total value of grapes grown, including the value of 15,524 gallons of wine and 440 pounds of raisins made on farms, was $43,282. Washington, Frederick, and Baltimore counties lead in the cultivation of grapes, reporting in 1900 about one-half of the vines of the state.

VEGETABLES AND SMALL FRUITS.

The value of the vegetables grown in 1899, including potatoes, sweet potatoes, and onions, was $5,315,732, or 15.2 per cent of the gross farm income. Of the total value, 19.2 per cent represents that of potatoes, and 6.0 per cent that of sweet potatoes. Aside from the land devoted to potatoes, sweet potatoes, and onions, 99,900 acres were used in the growing of miscellaneous vegetables. The products of 16,386 acres of this area were not reported in detail; of the remaining area, 43,612 acres were devoted to tomatoes, 16,575 to sweet corn, 7,903 to pease, 4,854 to cabbages, 4,348 to watermelons, 3,461 to muskmelons, 1,090 to beans, and 1,671 to other vegetables.

The total area devoted to the cultivation of small fruits in 1899 was 17,516 acres, distributed among 8,833 farms. The value of the fruits grown was $1,181,054, an average of $134 per farm. Of the total area, 13,980 acres, or 79.8 per cent, were devoted to strawberries. The total production of strawberries for the state was 24,035,640 quarts, of which nearly one-third was reported by Anne Arundel county. Other leading counties in the cultivation of this fruit are Somerset, Wicomico, Caroline, Worcester, and Baltimore. In southern Maryland, east of the bay, the soil and climate are especially well adapted to the raising of small fruits, and, as transportation facilities increase, the industry is being rapidly extended. The acreage and production of other berries were as follows: Blackberries and dewberries, 1,501 acres and 1,713,680 quarts; raspberries and Logan berries, 1,384 acres and 1,450,250 quarts; gooseberries, 234 acres and 332,140 quarts; currants, 65 acres and 63,460 quarts; and other berries, 352 acres and 362,420 quarts.

FLORICULTURE.

The florists of Maryland number 121, most of them being located in or near Baltimore. They had invested in the aggregate, $877,098, of which $455,635 represents the value of land, and improvements other than buildings; $387,178, that of buildings; $23,495, that of implements and machinery; and $10,790, that of live stock. The value of their products, in 1899, was $354,490, of which $334,310 represented the value of flowers and plants, and $20,180 that of other products. During 1899 the florists expended $78,363 for labor and $4,936 for fertilizers.

A large amount of glass was used by both florists and truck gardeners in Anne Arundel and Baltimore counties and in Baltimore city, there being 2,184,390 square feet of land under glass, reported by 1,044 proprietors. The 121 florists used 1,510,844 square feet of glass surface, or 1,133,133 square feet of land under glass.

NURSERIES.

The 15 nurseries in the state had $288,800 invested in land, buildings, and improvements; $7,450 in implements and machinery; and 13,218 in live stock. In 1899 their products were valued at $142,877, of which $114,512 represented nursery stock, and $28,365, other products. The expenditure for labor was $30,695, and for fertilizers $4,755. The total area reported by nurserymen was 3,685 acres, the average gross income being $37.11 per acre.

LABOR AND FERTILIZERS.

The total expenditure for labor on farms in 1899, including the value of board furnished, was $5,715,520, an average of $124 per farm. The average was highest on the most intensively cultivated farms, being $2,046 for nurseries, $648 for florists' establishments, $216 for hay and grain farms, $174 for dairy farms, $147 for vegetable farms, $137 for fruit farms, $92 for sugar farms, $73 for tobacco farms, $58 for live-stock farms, and $89 for miscellaneous farms. "Managers" expended, on an average, $420; "share tenants," $131; "cash tenants," $113; and "owners," $112. White farmers expended $138 per farm, and colored farmers $26.

Fertilizers purchased in 1899 cost $2,618,890, an average of $57 per farm and an increase since 1890 of 8.2 per cent. The average expenditure was greatest for nurseries, amounting to $317. For hay and grain farms the average was $93; for vegetable farms, $89; for fruit farms, $64; for dairy farms, $50; for miscellaneous farms, $46; for sugar farms, $44; for florists' establishments, $41; for tobacco farms, $36; and for live-stock farms, $29.

Twelfth Census of the United States.

CENSUS BULLETIN.

No. 152. WASHINGTON, D. C. March 17, 1902.

MANUFACTURES.

MISSOURI.

Hon. WILLIAM R. MERRIAM,
Director of the Census.

SIR: I transmit herewith, for publication in bulletin form, the statistics of manufacturing and mechanical industries for the state of Missouri for the census year 1900, taken in accordance with the provisions of section 7 of the act of March 3, 1899. This section requires that "The schedules of inquiries relating to the products of manufacturing and mechanical establishments shall embrace the name and location of each establishment; character of organization, whether individual, cooperative, or other form; date of commencement of operations; character of business or kind of goods manufactured; amount of capital invested; number of proprietors, firm members, copartners, or officers, and the amount of their salaries; number of employees, and the amount of their wages; quantity and cost of materials used in manufactures; amount of miscellaneous expenses; quantity and value of products; time in operation during the census year; character and quantity of power used; and character and number of machines employed."

In each of the above particulars the requirements of the law have been observed, but certain of the data thus elicited are reserved for publication in the final volumes.

There were 25 cities in the state withdrawn from the enumerators and their manufacturing statistics collected by special agents, in accordance with the further provision of section 7 of the census act. Wherever the phrase "urban manufactures" is used in this bulletin, it applies only to those cities which were withdrawn from the enumerators and committed to special agents, and only to manufacturing establishments within the corporate limits of such places.

Five cities in Missouri contain a population exceeding 20,000 each: Joplin, Kansas City, St. Joseph, St. Louis, and Springfield. The manufacturing statistics of these 5 cities are presented by specified industries, and the statistics of Kansas City, St. Joseph, St. Louis, and Springfield are presented in comparison with the returns of the Eleventh Census. The statistics of Joplin were not shown separately in 1890, and comparisons with that year are, therefore, not possible in this case.

Mr. J. S. Higgins, of St. Louis, rendered valuable assistance in the preparation of the text for the accompanying report.

The statistics of Missouri are presented in 9 tables: Table 1 showing comparative figures for the state at the several censuses; Table 2 showing all the industries of the state divided between hand trades and the manufactures proper, and also the statistics of a governmental establishment, educational and penal institutions, and establishments with a product of less than $500, which three latter classes were not reported at previous censuses; Table 3 showing the statistics of the 14 leading industries of the state for 1890 and 1900; Table 4 showing the totals for the cities of Kansas City, St. Joseph, St. Louis, and Springfield at the censuses of 1890 and 1900; Table 5 showing the urban manufactures of the state in comparison with the totals for the entire state and the state exclusive of the cities withdrawn from the enumerators; Table 6 showing the statistics for the state by counties; Table 7 showing the statistics for the state by specified industries; Table 8 showing the statistics for the cities of Joplin, Kansas City, St. Joseph, St. Louis, and Springfield by specified industries; and Table 9 showing the totals for all industries in each of the cities withdrawn from the enumerators (exclusive of those shown in Table 8).

Table 1 shows the growth of manufactures in Missouri for the half century which terminates with the Twelfth Census. The manufacturing statistics of the censuses prior to 1850 were too imperfect and fragmentary in character to make it proper to reproduce them in such a table as a measure of industrial growth in the first half of the century. Owing to changes in the method of taking the census, comparisons between the earlier and later decades, represented in Table 1, should be drawn only in the most general way. Nevertheless, the rate of growth in Missouri manufactures may be fairly inferred from the figures given.

In drafting the schedules of inquiry for the census of

1900 care was taken to preserve the basis of comparison with prior censuses. Comparison may be made safely with respect to all the items of inquiry except those relating to capital, salaried officials, clerks, etc., and their salaries, the average number of employees, and the total amount of wages paid. Live capital, that is, cash on hand, bills receivable, unsettled ledger accounts, raw materials, stock in process of manufacture, finished products on hand, and other sundries, was first called for at the census of 1890. No definite attempt was made, prior to the census of 1890, to secure a return of live capital invested.

Changes were made in the inquiries relating to employees and wages in order to eliminate defects found to exist on the form of inquiry adopted in 1890. At the census of 1890 the average number of persons employed during the entire year was called for, and also the average number employed at stated weekly rates of pay, and the average number was computed for the actual time the establishments were reported as being in operation. At the census of 1900 the greatest and least numbers of employees were reported, and also the average number employed during each month of the year. The average number of wage-earners (men, women, and children) employed during the entire year was ascertained by using 12, the number of calendar months, as a divisor into the total of the average numbers reported for each month. This difference in the method of ascertaining the average number of wage-earners during the entire year may have resulted in a variation in the number, and should be considered in making comparisons.

At the census of 1890 the number and salaries of proprietors and firm members actively engaged in the business or in supervision were reported, combined with clerks and other officials. In cases where proprietors and firm members were reported without salaries, the amount that would ordinarily be paid for similar services was estimated. At the census of 1900 only the number of proprietors and firm members actively engaged in the industry or in supervision was ascertained, and no salaries were reported for this class. It is therefore impossible to compare the number and salaries of salaried officials of any character for the two censuses.

Furthermore, the schedules for 1890 included in the wage-earning class, overseers, foremen, and superintendents (not general superintendents or managers), while the census of 1900 separates from the wage-earning class such salaried employees as general superintendents, clerks, and salesmen. It is possible and probable that this change in the form of the question has resulted in eliminating from the wage-earners, as reported by the present census, many high-salaried employees included in that group for the census of 1890.

In some instances, the number of proprietors and firm members, shown in the accompanying tables, falls short of the number of establishments reported. This is accounted for by the fact that no proprietors or firm members are reported for corporations or cooperative establishments.

The reports show a capital of $249,888,581 *invested in* manufactures and mechanical industries in the 18,754 establishments reporting for the state of Missouri. This sum represents the value of land, buildings, machinery, tools, and implements, and the live capital utilized, but does not include the capital stock of any of the manufacturing corporations of the state. The value of the products is returned at $385,492,784, to produce which involved an outlay of $14,569,606 for salaries of officials, clerks, etc.; $60,719,428 for wages; $41,396,905 for miscellaneous expenses, including rent, taxes, etc.; and $214,988,018 for materials used, mill supplies, freight, and fuel. It is not to be assumed, however, that the difference between the aggregate of these sums and the value of the products is, in any sense, indicative of the profits in the manufacture of the products during the census year. The census schedule takes no cognizance of the cost of selling manufactured articles, or of interest on capital invested, or of the mercantile losses incurred in the business, or of depreciation in plant. The value of the product given is the value as obtained or fixed at the shop or factory. This statement is necessary in order to avoid erroneous conclusions from the figures presented.

The value of products for the state of Missouri, $385,492,784, is the gross value, and not the net or true value. The difference between these two should be carefully noted. The gross value is found by adding the value of products in the separate establishments. But the finished product of one establishment is often the raw material for another. In such cases the value of the former reappears in the latter, and thus the original cost of certain materials may be included several times in the gross value. The net or true value is found by subtracting from the gross value the value of all materials purchased in a partly manufactured form. In this way the duplications in the gross value are eliminated.

At the census of 1890 the schedule was so framed that it was impossible to find the net or true value. In the present census the schedule asked for the value of the materials in two classes, those purchased in the crude state and those purchased in the partly manufactured form. From the answers to these questions the net or true value of products may be computed. Thus, for Missouri, the gross value of products for 1900 was $385,492,784. The value of materials purchased in a partly manufactured form was $128,820,943. The difference, $256,671,841, is the net or true value of products, and represents the *increase in the* value of raw materials resulting from the various processes of manufacture.

Very respectfully,

S. N. D. North

Chief Statistician for Manufactures.

MISSOURI.

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

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

	DATE OF CENSUS.						PER CENT OF INCREASE.				
	1900	1890	1880	1870	1860	1850	1890 to 1900	1880 to 1890	1870 to 1880	1860 to 1870	1850 to 1860
Number of establishments	18,754	14,052	8,592	11,871	3,157	2,923	33.5	63.5	[1]27.6	27.6	8.0
Capital	$249,888,581	$189,558,546	$72,507,844	$80,257,244	$20,034,220	$8,576,607	31.8	161.4	[1]9.7	300.6	133.6
Salaried officials, clerks, etc., number	13,900	[2]18,936	(3)	(3)	(3)	(3)	[1]26.6	------	------	------	------
Salaries	$14,569,606	[2]$16,773,935	(3)	(3)	(3)	(3)	[1]13.1	------	------	------	------
Wage-earners, average number	134,975	124,203	63,995	65,354	19,681	15,808	8.7	94.1	[1]2.1	232.1	24.5
Total wages	$60,719,428	$59,643,429	$24,309,716	$31,055,445	$6,669,716	$4,692,648	1.8	145.3	[1]21.7	365.6	42.1
Men, 16 years and over	106,782	102,418	54,200	55,904	18,628	14,880	4.3	89.0	[1]3.0	200.1	25.2
Wages	$53,921,296	$54,527,944	(3)	(3)	(3)	(3)	[1]1.1	------	------	------	------
Women, 16 years and over	23,683	18,294	5,474	3,884	1,053	928	29.5	234.2	40.9	268.9	13.5
Wages	$6,041,960	$4,603,128	(3)	(3)	(3)	(3)	31.3	------	------	------	------
Children, under 16 years	4,510	3,491	4,321	5,566	(3)	(3)	29.2	[1]19.2	[1]22.4	------	------
Wages	$756,172	$512,357	(3)	(3)	(3)	(3)	47.6	------	------	------	------
Miscellaneous expenses	$41,396,905	$22,885,565	(4)	(4)	(4)	(4)	80.9	------	------	------	------
Cost of materials used	$214,988,018	$177,582,882	$110,798,892	$115,533,269	$23,849,941	$12,798,351	21.1	60.3	[1]4.1	384.4	86.4
Value of products, including custom work and repairing	$385,492,784	$324,561,993	$165,386,205	$206,213,429	$41,782,731	$24,324,418	18.8	96.2	[1]19.8	393.5	71.8
Total population	3,106,665	2,679,184	2,168,380	1,721,295	1,182,012	682,044	16.0	23.6	26.0	45.6	73.3
Wage-earners engaged in manufactures	134,975	124,203	63,995	65,354	19,681	15,808	8.7	94.1	[1]2.1	232.1	24.5
Per cent of total population	4.3	4.6	3.0	3.8	1.7	2.3	------	------	------	------	------
Assessed value of real estate	[5]$1,001,766,464	$599,859,331	$381,985,112	$418,527,535	$153,450,577	$66,802,223	67.0	57.0	[1]8.7	172.7	129.7
Value of land and buildings invested in manufactures[6]	$63,506,339	$46,579,111	(3)	(3)	(3)	(3)	36.3	------	------	------	------
Per cent of assessed value	6.3	7.8	------	------	------	------	------	------	------	------	------

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

Table 1 shows that there has been a large growth in the manufacturing and mechanical industries of Missouri during the half century. The population during these years increased from 682,044 to 3,106,665, while the average number of wage-earners employed in manufacturing establishments increased from 15,808 to 134,975, embracing, in 1900, 4.3 per cent of the entire population, compared with 2.3 per cent in 1850. Probably the best indication of the importance of the wage-earning class is afforded by the greatest number employed at any one time during the year. In 1900 this was 186,631, or 6 per cent of the total population of the state. Both the greatest percentage of increase in the value of products, 393.5, and the greatest absolute increase, $164,430,698, are shown for the decade ending with 1870. Missouri occupies a most favored position in the Mississippi and Missouri valleys and is richly endowed with natural resources, including an abundance of coal, large deposits of minerals, and extensive timber areas. The mineral belt, called the Ozarks, from the Ozark Mountains, is in the southern and southwestern parts of the state, and its products are noted for variety and purity. They include lead, nickel and cobalt, iron ore, zinc, barytes, granite, marble, limestone, glass or silica sand, and kaolin and other clays. The state has extensive facilities for distributing its products by both rail and water.

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

TABLE 2.—SUMMARY FOR ALL ESTABLISHMENTS.

CLASSES.	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	COST OF MATERIALS USED. Total.	COST OF MATERIALS USED. Purchased in raw state.	COST OF MATERIALS USED. Purchased in partially manufactured form.	COST OF MATERIALS USED. Fuel, freight, etc.	Value of products, including custom work and repairing.
Total	23,950	$251,343,381	26,332	136,763	$60,792,173	$41,499,635	$215,383,791	$79,754,117	$129,149,683	$6,479,991	$386,737,134
Hand trades[1]	8,599	12,961,322	9,747	22,036	11,286,344	7,243,378	19,169,641	710,770	18,069,146	389,725	49,932,349
Governmental establishment	1	700		3	2,210	300	510		510		3,015
Educational and penal institutions	4	18,900		109			7,971		6,820	1,151	18,541
Establishments with a product of less than $500	5,191	1,435,200	5,673	1,676	70,535	102,430	387,292	62,739	321,410	3,143	1,222,794
All other establishments	10,155	236,927,259	10,912	112,939	49,433,084	34,153,527	195,818,377	78,980,608	110,751,797	6,085,972	335,560,435

[1] Includes bicycle and tricycle repairing, 96; blacksmithing and wheelwrighting, 2,380; boots and shoes, custom work and repairing, 785; carpentering, 1,104; clothing, men's, custom work and repairing, 745; clothing, women's, dressmaking, 314; dyeing and cleaning, 76; furniture, cabinetmaking, repairing, and upholstering, 204; lock and gun smithing, 105; masonry, brick and stone, 378; millinery, custom work, 695; painting, house, sign, etc., 562; paper hanging, 130; plastering and stuccowork, 171; plumbing, and gas and steam fitting, 358; sewing machine repairing, 19; taxidermy, 2; typewriter repairing, 18; watch, clock, and jewelry repairing, 462.

Of the 23,950 establishments of all classes shown in this table, 13,790, or 57.6 per cent, were small shops included in the groups of "hand trades" and "establishments with a product of less than $500." The value of the products of these establishments, consisting principally of the sums received for custom work and repairing, amounted to $51,155,143, or only 13.2 per cent of the total value of the products of the state.

In addition to the 23,950 active establishments in the state during the census year, with a capital of $251,343,381, shown in Table 2, there were 107 idle establishments, with a capital of $2,156,423, divided as follows:

INDUSTRIES.	Number of idle establishments.	Capital.	INDUSTRIES.	Number of idle establishments.	Capital.
Ammunition	1	$32,000	Liquors, distilled	6	$295,320
Brick and tile	16	220,859	Lumber and timber products	18	25,654
Cooperage	2	48,580	Lumber, planing mill products, including sash, doors, and blinds	5	90,481
Flouring and grist mill products	16	97,755	Pottery, terra cotta, and fire-clay products	2	10,000
Foundry and machine shop products	2	22,326	Slaughtering, wholesale, not including meat packing	1	185,000
Fruits and vegetables, canning and preserving	3	41,890	Tinsmithing, coppersmithing, and sheet-iron working	2	87,000
Furniture, factory product	2	10,935	Woolen goods	1	11,250
Ice, manufactured	1	82,500	All other industries	25	42,870
Iron and steel	2	180,003			
Iron and steel, nails and spikes, cut and wrought, including wire nails	1	285,000			
Lead, smelting and refining	1	386,500			

TABLE 3.—COMPARATIVE SUMMARY OF FOURTEEN LEADING INDUSTRIES.

INDUSTRIES.	Year.	Number of establishments.	Capital.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Total for selected industries for state	1900	5,139	$113,326,395	59,057	$26,401,101	$25,871,034	$122,972,261	$203,494,824
	1890	3,667	85,918,067	50,674	23,144,690	13,239,315	93,055,297	155,920,549
Increase, 1890 to 1900		1,472	27,408,328	8,383	3,256,411	12,631,719	29,916,964	47,574,275
Per cent of increase		40.1	31.9	16.5	14.1	95.4	32.1	30.5
Per cent of total of all industries in state	1900	27.4	45.4	43.8	43.5	62.5	57.2	52.8
	1890	26.1	45.3	40.8	38.8	57.8	52.4	48.0
Boots and shoes, factory product	1900	50	4,183,979	5,915	2,052,114	643,942	7,993,026	11,253,202
	1890	29	3,712,915	2,716	1,119,390	305,194	2,521,027	4,841,004
Carriages and wagons	1900	377	4,019,087	2,583	1,310,560	251,744	2,733,960	5,583,364
	1890	425	3,963,675	3,026	1,499,133	232,244	2,441,925	5,233,324
Cars and general shop construction and repairs by steam railroad companies.	1900	43	3,645,260	5,581	3,182,753	102,500	3,019,574	6,524,121
	1890	27	1,394,974	2,859	1,737,771	1,637	2,082,326	3,890,542
Cars, steam railroad, not including operations of railroad companies.	1900	4	4,530,982	2,772	1,373,353	198,160	5,101,335	7,722,768
	1890	5	1,442,927	1,854	1,147,604	75,773	2,655,320	3,974,173
Clothing, men's, factory product	1900	148	4,651,882	6,129	1,693,725	685,073	5,095,150	8,925,088
	1890	59	4,966,073	6,113	1,772,799	369,911	4,566,017	8,113,852
Coffee and spice, roasting and grinding	1900	27	2,517,482	499	176,420	212,681	4,303,097	5,266,264
	1890	15	1,089,088	252	113,551	82,406	3,290,476	3,892,792
Confectionery	1900	99	2,842,164	2,058	662,513	439,566	3,476,112	5,554,384
	1890	75	1,440,173	1,454	520,767	149,497	2,120,762	3,584,958
Flouring and grist mill products	1900	1,145	11,402,827	1,654	851,377	520,468	21,937,507	26,393,928
	1890	710	12,530,645	3,011	1,249,091	966,124	29,210,639	34,486,795
Foundry and machine shop products	1900	261	11,606,445	7,084	3,882,749	916,851	6,732,008	15,073,005
	1890	186	11,708,878	6,754	3,807,974	991,125	5,819,009	13,680,773

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

INDUSTRIES.	Year.	Number of establishments.	Capital.	WAGE-EARNERS. Average number.	WAGE-EARNERS. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
Liquors, malt	1900	49	$25,731,930	3,150	$1,890,100	$6,137,846	$3,073,011	$13,776,905
	1890	30	16,689,575	2,834	1,847,195	3,114,676	6,563,536	16,954,137
Lumber and timber products	1900	1,197	11,089,799	6,043	2,012,659	321,300	6,410,216	11,177,529
	1890	830	8,245,425	6,703	1,930,504	391,926	4,328,903	8,359,925
Printing and publishing: Total	1900	1,100	11,149,288	7,256	3,774,832	2,167,852	4,706,287	15,355,949
	1890	778	8,052,275	7,423	4,050,989	1,439,861	3,503,733	13,004,440
Book and job	1900	283	4,636,888	3,496	1,717,664	780,325	2,500,782	6,095,752
	1890	176	3,441,785	3,066	1,537,802	391,890	1,785,161	5,039,953
Music	1900	3	4,650	2	1,020	2,187	720	6,100
	1890	6	32,000	19	10,916	4,151	10,444	43,600
Newspapers and periodicals	1900	814	6,507,800	3,758	2,056,148	1,385,340	2,204,785	9,254,097
	1890	596	4,578,490	4,338	2,502,271	1,043,820	1,708,128	7,920,887
Slaughtering: Total	1900	37	7,944,033	3,102	1,440,742	364,267	39,108,137	43,040,885
	1890	68	4,986,780	1,264	645,322	386,743	15,142,352	18,320,193
Slaughtering and meat packing, wholesale	1900	31	7,844,054	3,043	1,416,680	350,599	38,391,243	42,229,127
	1890	41	4,611,745	1,128	557,878	368,108	12,439,412	14,789,012
Slaughtering, wholesale, not including meat packing	1900	6	99,979	59	24,062	13,668	716,894	811,758
	1890	27	375,035	136	87,444	18,635	2,702,940	3,531,181
Tobacco: Total	1900	602	8,011,237	5,231	2,097,204	12,908,784	9,282,841	27,847,432
	1890	430	5,594,664	4,411	1,702,600	4,782,198	8,809,272	17,583,646
Chewing, smoking, and snuff	1900	22	7,020,479	3,720	1,402,549	12,511,008	8,255,857	25,101,446
	1890	26	4,533,925	3,117	1,117,610	4,456,979	8,030,780	15,428,764
Cigars and cigarettes	1900	580	990,758	1,511	694,655	397,776	1,026,934	2,745,986
	1890	404	1,060,739	1,294	584,990	275,219	778,492	2,154,882

The 14 leading industries of the state in 1900, as shown in Table 3, embraced 5,139 establishments, or 27.4 per cent of the total number in the state; used a capital of $113,326,395, or 45.4 per cent of the total; gave employment to 59,057 wage-earners, or 43.8 per cent of the total number; and paid $26,401,101, or 43.5 per cent of the total wages. The value of their products was $203,494,824, or 52.8 per cent of the total. In the discussion of Table 3, which follows, these industries are ranked with reference to the value of their products.

Table 3 shows that slaughtering and meat packing is the most important industry in the state. The 37 establishments reported in 1900 gave employment to 3,102 wage-earners, or 2.3 per cent of the wage-earners employed in the state, and the products were valued at $43,040,885, or 11.2 per cent of the total value of the products of the state. In 1890 there were 68 establishments, 1,264 wage-earners, and products valued at $18,320,193. The increase in the value of products during the decade was $24,720,692, or 134.9 per cent. This is a greater percentage of increase than is shown for any other selected industry in the state. St. Joseph and St. Louis are principal centers, in the order named. Missouri has profited by the trend of the industry toward the corn states and the great cattle ranges.

The manufacture of tobacco ranks second among the industries of the state, with 602 establishments, 5,231 wage-earners, and products valued at $27,847,432. In 1890 there were 430 establishments, 4,411 wage-earners, and products valued at $17,583,646. The increase in the value of products during the decade was $10,263,786, or 58.4 per cent. Missouri is not one of the great tobacco-growing states, although it raised 9,370,000 pounds in 1898,[1] but it has become a great center for the manufacture of chewing and smoking tobacco and snuff.

There were 1,145 establishments engaged in 1900 in the manufacture of flouring and grist mill products, the industry third in rank, with 1,654 wage-earners, and products valued at $26,393,928. In 1890 there were 710 establishments, 3,011 wage-earners, and products valued at $34,486,795. The decrease in the value of products during the decade was $8,092,867, or 23.5 per cent. Although this industry shows a decline, it is still important. In the state, exclusive of St. Louis, there was a slight increase. The decrease in St. Louis is accredited to the opening up of less developed country to the west and southwest by railway facilities, which connect the great grain-producing centers with the markets by shorter freight lines. One milling firm in St. Louis, which, prior to 1890, shipped annually 150,000 barrels of flour to Texas, now manufactures 1,200 barrels daily in that state. In other instances also the manufacture of flouring and grist mill products is carried on either near the markets or the grain centers.

There were 1,100 establishments engaged in printing and publishing in 1900, with 7,256 wage-earners, and products valued at $15,355,949. In 1890 there were 778 establishments, 7,423 wage-earners, and products valued at $13,004,440. The increase in the value of products during the decade was $2,351,509, or 18.1 per cent.

There were 261 establishments engaged in the manufacture of foundry and machine shop products in 1900, with

[1] Report of the Missouri State Board of Agriculture, 1899, page 6.

7,084 wage-earners, and products valued at $15,073,005. In 1890 there were 186 establishments, 6,754 wage-earners, and products valued at $13,680,773. The increase in the value of products during the decade was $1,392,232, or 10.2 per cent.

There were 49 establishments engaged in the manufacture of malt liquors in 1900, with 3,150 wage-earners, and products valued at $13,776,905. In 1890 there were 30 establishments, 2,834 wage-earners, and products valued at $16,954,137. The decrease in the value of products during the decade was $3,177,232, or 18.7 per cent. Although the value of products decreased from the value reported in 1890, there was an increase in the quantity of products and in the number of establishments, capital, number of wage-earners, and wages paid. There are a number of notable malt liquor establishments in the state, particularly at St. Louis.

There were 50 establishments engaged in the factory manufacture of boots and shoes in 1900, with 5,915 wage-earners, and products valued at $11,253,202. In 1890 there were 29 establishments, 2,716 wage-earners, and products valued at $4,841,004. The increase in the value of products during the decade was $6,412,198, or 132.5 per cent. Although this is a comparatively new industry in the West, Missouri has made a rapid advance. Only one other manufacture in the state exceeds this in percentage of increase in value of products. Missouri is now eighth in rank in the United States in the factory manufacture of boots and shoes; it was ninth in 1890.

There were 1,197 establishments engaged in the manufacture of lumber and timber products in 1900, with 6,043 wage-earners, and products valued at $11,177,529. In 1890 there were 830 establishments, 6,703 wage-earners, and products valued at $8,359,925. The increase in the value of products during the decade was $2,817,604, or 33.7 per cent.

There were 148 establishments engaged in the factory manufacture of men's clothing in 1900, with 6,129 wage-earners, and products valued at $8,925,088. In 1890 there were 59 establishments, 6,113 wage-earners, and products valued at $8,113,852. The increase in the value of products during the decade was $811,236, or 10 per cent.

There were 4 establishments, not operated by steam railroad companies, engaged in the manufacture of steam railroad cars in 1900, with 2,772 wage-earners, and products valued at $7,722,768. In 1890 there were 5 establishments, 1,854 wage-earners, and products valued at $3,974,173. The increase in the value of products during the decade was $3,748,595, or 94.3 per cent. There are only 2 industries in the state that show a larger percentage of increase in value of products.

There were 43 establishments engaged in car construction and general shop work of steam railroad companies in 1900, with 5,581 wage-earners, and products valued at $6,524,121. In 1890 there were 27 establishments, 2,859 wage-earners, and products valued at $3,890,542. The increase in the value of products during the decade was $2,633,579, or 67.7 per cent. These establishments are located at railway centers, and the remarkable increase in all particulars shows that Missouri is not only a great distributing center, but a highway for the transportation of commodities.

There were 377 establishments engaged in the manufacture of carriages and wagons in 1900, with 2,583 wage-earners, and products valued at $5,583,364. In 1890 there were 425 establishments, 3,026 wage-earners, and products valued at $5,233,324. The increase in the value of products during the decade was $350,040, or 6.7 per cent.

There were 99 establishments engaged in the manufacture of confectionery in 1900, with 2,058 wage-earners, and products valued at $5,554,384. In 1890 there were 75 establishments, 1,454 wage-earners, and products valued at $3,584,953. The increase in the value of products during the decade was $1,969,431, or 54.9 per cent.

There were 27 establishments engaged in roasting and grinding coffee and spice in 1900, with 499 wage-earners, and products valued at $5,266,264. In 1890 there were 15 establishments, 252 wage-earners, and products valued at $3,892,792. The increase in the value of products during the decade was $1,373,472, or 35.3 per cent.

URBAN MANUFACTURES.

Table 4 shows the totals for the manufacturing and mechanical industries of the cities of Kansas City, St. Joseph, St. Louis, and Springfield, as returned at the censuses of 1890 and 1900, with the percentages of increase.

TABLE 4.—COMPARATIVE SUMMARY, KANSAS CITY, ST. JOSEPH, ST. LOUIS, AND SPRINGFIELD, 1890 AND 1900, WITH PER CENT OF INCREASE.

	Year.	Number of establishments.	Capital.	Wage-earners. Average number.	Wage-earners. Total wages.	Miscellaneous expenses.	Cost of materials used.	Value of products, including custom work and repairing.
The State	1900	18,754	$249,888,581	134,975	$60,719,428	$41,396,905	$214,988,018	$335,492,784
	1890	14,052	189,558,546	124,203	59,643,429	22,385,565	177,582,382	324,561,993
Per cent of increase		33.5	31.8	8.7	1.8	80.9	21.1	18.8
Kansas City	1900	1,797	26,437,307	15,381	7,783,652	3,545,069	18,214,198	36,527,392
	1890	1,478	14,104,620	12,611	7,445,326	1,901,313	16,361,184	31,936,366
Per cent of increase		21.6	87.4	22.0	4.5	86.5	11.3	14.4
St. Joseph	1900	440	11,068,825	7,429	3,109,647	1,160,912	25,068,215	31,690,736
	1890	276	5,230,697	4,579	1,970,231	496,472	7,848,353	11,916,141
Per cent of increase		59.4	111.6	62.2	57.8	133.8	219.4	165.9
St. Louis	1900	6,732	162,179,331	82,672	38,191,076	33,271,804	117,861,443	233,629,733
	1890	6,148	141,872,386	82,911	41,794,734	17,734,350	122,216,570	229,157,343
Per cent of increase		9.5	14.3	[1]0.3	[1]8.6	87.6	[1]3.6	2.0
Springfield	1900	245	2,111,048	2,127	1,017,345	154,290	2,274,705	4,126,871
	1890	277	1,454,613	1,296	584,353	270,601	1,657,877	3,062,095
Per cent of increase		[1]11.6	45.1	64.1	74.1	[1]43.0	37.2	34.8
Total for 4 cities	1900	9,214	201,796,511	107,609	50,101,720	38,132,075	163,418,561	305,974,732
	1890	8,179	162,662,316	101,397	51,794,644	20,402,736	148,083,984	276,071,945
Per cent of increase		12.7	24.1	6.1	[1]3.3	86.9	10.4	10.8
Per cent of 4 cities to total for state	1900	49.1	80.8	79.7	82.5	92.1	76.0	79.4
	1890	58.2	85.8	81.6	86.8	89.2	83.4	85.1

[1] Decrease.

It appears from Table 4 that there has been a considerable increase during the past decade in the combined manufactures of these 4 cities. The number of establishments increased from 8,179 to 9,214, or 12.7 per cent; the average number of wage-earners, from 101,397 to 107,609, or 6.1 per cent; and the value of products from $276,071,945 to $305,974,732, or 10.8 per cent. The percentage of increase in each of these particulars was smaller in these 4 cities than in the state as a whole. The city of St. Joseph shows the most rapid growth, the value of products having increased from $11,916,141 to $31,690,736, or 165.9 per cent. This phenomenal increase was caused by the location there of large slaughtering and meat packing plants and industries incident thereto. In St. Louis, the leading city, the number of establishments increased from 6,148 to 6,732, or 9.5 per cent, and the value of products from $229,157,343 to $233,629,733, or 2 per cent, while the average number of wage-earners decreased from 82,911 to 82,672, or three-tenths of 1 per cent. The number of establishments, number of wage-earners, and value of products, in this city in 1900, constituted 35.9, 61.2, and 60.6 per cent, respectively, of the totals for the state. That the increase in the value of products of St. Louis is small, is due, in part, to the removal of manufactures to more favorable localities for fuel and transportation, notably to East St. Louis, Madison, and Granite City, manufacturing points situated opposite St. Louis, on the Mississippi River, and to the West.

Table 5 presents the totals for the manufacturing industries of the 25 cities withdrawn from the enumerators, places them in comparison with the totals for the entire state and the state exclusive of these cities, and shows their rank in population and in value of products.

TABLE 5.—URBAN MANUFACTURES.

	Number of establishments.	Capital.	Proprietors and firm members.	WAGE-EARNERS.		Miscellaneous expenses.	Cost of materials used.	PRODUCTS.			POPULATION.		
				Average number.	Total wages.			Value.	Rank.	Per cent of total.	Total.	Rank.	Per cent of total.
Total for state	18,754	$249,888,581	20,659	134,975	$60,719,428	$41,396,905	$214,988,018	$385,492,784	-------	100.0	3,106,665	-------	100.0
Total for urban manufactures	11,017	215,555,313	11,353	117,179	54,296,344	39,819,437	177,327,402	329,635,915	-------	85.5	1,032,732	-------	33.2
Boonville	97	299,128	119	203	89,426	28,129	271,425	473,455	17	0.1	4,377	23	0.1
Brookfield	64	101,293	74	193	89,698	12,109	195,336	329,889	23	0.1	5,484	16	0.2
Cape Girardeau	94	431,170	115	282	105,009	35,871	331,749	612,259	15	0.2	4,815	21	0.2
Carrollton	48	215,760	60	120	41,445	11,525	185,757	311,368	24	0.1	3,854	25	0.1
Carthage	94	859,385	107	528	217,237	90,658	543,592	1,176,981	10	0.3	9,416	9	0.3
Chillicothe	111	323,685	133	290	114,007	20,154	309,296	608,767	16	0.1	6,905	15	0.2
Clinton	62	333,364	72	172	69,099	15,747	195,664	372,194	21	0.1	5,061	20	0.2
Hannibal	172	1,890,718	170	1,420	611,859	141,634	1,890,909	3,025,349	7	0.8	12,780	7	0.4
Independence	64	505,645	63	220	100,982	39,775	604,002	886,354	14	0.2	6,974	14	0.2
Jefferson City	99	1,627,434	100	455	169,124	589,999	2,279,578	3,361,998	5	0.9	9,664	8	0.3
Joplin	123	1,411,495	146	951	516,080	110,962	1,854,817	2,961,793	8	0.8	26,023	4	0.8
Kansas City	1,797	26,437,307	1,949	15,381	7,783,052	3,545,069	18,214,198	36,527,392	2	9.5	163,752	2	5.3
Louisiana	75	453,470	82	319	90,531	233,318	365,794	908,088	18	0.2	5,131	18	0.2
Maryville	69	180,075	84	155	66,789	15,489	160,015	338,388	22	0.1	4,577	22	0.1
Mexico	84	261,617	94	194	68,230	23,423	215,074	415,894	20	0.1	5,099	19	0.2
Moberly	84	551,458	91	766	353,641	42,120	421,410	950,664	12	0.2	8,012	11	0.3
Nevada	81	437,924	91	403	190,232	38,160	693,372	1,046,616	11	0.3	7,461	13	0.2
Rich Hill	48	224,609	60	115	42,659	12,061	164,148	255,182	25	0.1	4,053	24	0.1
St. Charles	75	1,940,719	80	1,275	601,987	126,412	1,982,519	3,145,662	6	0.8	7,982	12	0.3
St. Joseph	440	11,068,825	462	7,429	3,109,647	1,160,912	25,068,215	31,690,736	3	8.2	102,979	3	3.3
St. Louis	6,732	162,179,331	6,657	82,672	38,191,076	33,271,804	117,861,443	233,629,783	1	60.6	575,238	1	18.5
Sedalia	131	1,293,053	131	1,098	463,787	69,949	811,697	1,599,326	9	0.4	15,231	6	0.5
Springfield	245	2,111,048	273	2,127	1,017,345	154,290	2,274,705	4,126,871	4	1.1	23,267	5	0.7
Trenton	86	205,715	98	252	113,508	17,817	247,841	459,748	18	0.1	5,896	17	0.2
Webb City	42	211,090	42	164	79,294	12,060	244,851	425,763	19	0.1	9,201	10	0.3
Total for state exclusive of urban manufactures	7,737	34,333,268	9,306	17,796	6,423,084	1,577,468	37,660,616	55,856,869	-------	14.5	2,073,933	-------	66.8
Per cent of urban manufactures to total for state	58.7	86.3	55.0	86.8	89.4	96.2	82.5	85.5	-------	-------	33.2	-------	-------

Of the 18,754 establishments in the state, 11,017, or 58.7 per cent, were located in these 25 cities. They furnished employment to 117,179 wage-earners, or 86.8 per cent of the total number; and the value of their products, $329,635,915, formed 85.5 per cent of the total for the state.

Table 6 shows the totals for the state by counties.

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

Table 8 shows the totals for the cities of Joplin, Kansas City, St. Joseph, St. Louis, and Springfield by specified industries.

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

TABLE 6.—MANUFACTURES

	COUNTIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	The State	18,754	$249,888,581	$26,757,573	$36,748,766	$70,040,656	$116,341,586	20,659	13,900	$14,569,606	134,975	$60,719,428
2	Adair	71	174,357	30,285	27,950	61,150	54,972	86	6	5,180	175	65,166
3	Andrew	66	194,687	15,060	36,615	75,677	67,395	88	4	2,025	98	29,853
4	Atchison	58	135,839	9,553	26,595	50,865	48,826	68	2	600	94	32,888
5	Audrain	144	346,250	34,740	58,435	117,367	135,708	169	14	6,190	247	84,952
6	Barry	68	206,807	20,548	50,335	104,605	31,319	80	6	5,055	140	65,396
7	Barton	86	127,383	7,170	23,375	48,920	47,918	93	1	675	80	27,480
8	Bates	167	430,110	35,978	80,320	221,390	92,422	200	9	8,336	229	78,047
9	Benton	52	73,779	4,870	13,320	36,110	19,479	64	------	------	31	9,183
10	Bollinger	40	89,176	13,775	12,695	36,626	26,080	56	2	1,440	99	30,795
11	Boone	118	405,468	41,425	64,405	144,744	154,894	129	8	5,160	279	100,359
12	Buchanan	473	13,411,636	1,018,705	2,388,022	3,601,067	6,403,842	500	612	559,768	8,292	3,482,585
13	Butler	51	1,084,308	217,373	113,903	381,052	371,980	58	32	34,775	761	239,697
14	Caldwell	100	173,495	12,785	41,090	54,005	65,615	119	4	450	119	38,298
15	Callaway	94	324,727	51,767	70,250	98,620	104,090	111	12	8,832	186	63,012
16	Camden	45	103,791	44,591	12,905	39,475	6,820	56	------	------	30	10,070
17	Cape Girardeau	170	824,740	102,527	127,987	211,801	382,425	195	40	28,689	428	157,482
18	Carroll	119	335,096	23,921	62,795	101,140	147,240	143	9	4,760	191	63,904
19	Carter	19	1,290,620	313,550	111,150	335,235	530,685	17	17	9,868	519	185,503
20	Cass	131	222,579	22,225	54,095	84,066	62,193	161	2	610	90	31,900
21	Cedar	75	126,997	17,835	18,630	53,096	37,436	98	1	720	56	20,141
22	Chariton	110	328,932	35,789	74,516	119,975	98,652	187	4	1,530	120	40,248
23	Christian	48	102,255	9,052	16,835	46,040	30,328	58	7	1,875	79	16,036
24	Clark	88	156,795	17,082	39,075	58,684	41,954	45	2	1,020	101	36,715
25	Clay	70	254,643	19,090	42,909	84,896	107,748	79	13	6,825	126	42,348
26	Clinton	81	179,165	18,750	23,095	60,323	81,997	92	5	3,260	100	41,721
27	Cole	140	1,713,055	76,540	105,273	324,974	1,206,268	151	179	179,345	509	188,480
28	Cooper	149	421,427	29,025	98,991	145,494	147,917	186	13	7,759	272	112,858
29	Crawford	34	75,112	6,830	10,929	29,875	27,478	37	4	692	17	5,523
30	Dade	71	157,506	11,615	46,347	56,131	43,413	89	4	2,244	54	20,053
31	Dallas	31	63,393	4,970	7,570	30,350	20,503	44	------	------	24	7,103
32	Daviess	99	167,108	18,744	22,147	65,061	61,156	122	3	825	87	32,738
33	Dekalb	51	83,146	5,065	15,690	34,641	27,750	57	------	------	40	13,889
34	Dent	54	392,122	56,033	136,520	56,629	142,940	66	18	11,565	295	80,891
35	Douglas	39	96,151	29,300	8,390	37,895	20,566	60	1	300	50	13,907
36	Dunklin	51	476,601	76,550	48,170	190,543	161,338	54	30	21,224	566	181,520
37	Franklin	168	750,873	62,047	217,684	180,056	291,086	185	51	34,677	468	179,842
38	Gasconade	75	396,417	27,096	154,070	66,857	148,394	90	10	7,525	57	17,415
39	Gentry	103	284,528	25,430	53,930	117,646	87,522	132	4	4,080	236	99,264
40	Greene	318	2,666,143	184,625	598,466	767,678	1,115,374	349	155	113,065	2,520	1,129,609
41	Grundy	129	252,584	19,315	48,564	88,745	95,960	149	23	13,646	282	121,777
42	Harrison	124	200,010	24,735	37,200	77,850	60,225	160	6	3,698	121	33,748
43	Henry	166	501,540	45,044	102,708	203,796	149,992	190	21	16,667	270	98,169
44	Hickory	37	50,873	3,560	12,410	26,250	8,653	45	------	------	20	6,951
45	Holt	90	267,137	35,332	51,460	89,053	91,292	103	17	6,056	144	40,611
46	Howard	92	248,029	18,975	52,835	87,471	88,748	123	7	4,590	115	39,047
47	Howell	75	185,423	13,400	24,755	81,120	66,148	103	2	576	102	35,822
48	Iron	55	549,231	125,200	80,795	238,807	104,429	59	18	16,202	288	96,055
49	Jackson	1,913	27,290,249	2,333,517	2,416,367	12,152,331	10,388,034	2,069	1,560	1,504,706	15,771	7,969,358
50	Jasper	348	2,951,140	349,916	464,881	712,528	1,423,815	385	121	110,283	1,825	909,958
51	Jefferson	107	2,044,111	184,876	586,517	875,008	397,710	110	49	39,853	962	491,165
52	Johnson	124	335,668	31,278	73,430	124,408	106,552	149	7	3,810	149	56,556
53	Knox	45	114,508	8,545	17,165	33,307	55,491	60	------	------	46	16,844
54	Laclede	48	100,307	9,015	17,380	46,485	27,427	60	------	------	37	12,364
55	Lafayette	169	557,775	63,755	111,235	181,946	200,839	181	32	18,205	303	96,283
56	Lawrence	143	465,483	31,463	89,033	150,338	194,649	170	20	8,796	310	106,329
57	Lewis	90	215,704	12,593	40,852	83,516	78,743	105	8	4,750	180	46,599
58	Lincoln	72	175,107	14,325	26,500	59,475	74,807	91	5	375	98	30,543
59	Linn	173	374,761	25,436	66,368	180,508	102,449	208	12	6,754	391	160,730
60	Livingston	150	395,203	42,812	61,863	131,585	158,943	182	13	10,000	324	125,078
61	McDonald	58	125,179	8,735	25,385	51,525	39,534	75	1	600	85	27,295
62	Macon	122	487,543	34,157	50,335	138,203	264,848	150	22	13,125	250	92,745
63	Madison	47	242,649	21,840	45,225	71,050	104,534	64	10	7,160	158	53,305
64	Maries	30	41,809	2,832	7,115	20,225	11,637	31	1	500	14	4,692
65	Marion	222	2,013,110	143,212	285,448	509,658	1,074,797	236	146	118,055	1,470	630,523
66	Mercer	53	92,239	10,050	18,680	35,185	28,324	70	------	------	35	12,147
67	Miller	38	83,265	5,800	16,615	37,895	22,955	47	2	1,100	31	10,547
68	Mississippi	33	525,405	96,760	37,225	161,455	229,965	40	9	8,170	196	61,895
69	Moniteau	90	235,267	24,800	45,690	60,230	104,547	119	18	5,748	114	43,299
70	Monroe	86	149,985	6,005	24,145	47,140	72,695	102	1	800	80	28,890
71	Montgomery	72	175,966	46,580	29,885	52,656	46,845	85	5	1,030	77	24,192
72	Morgan	30	44,075	10,295	11,025	16,760	5,995	35	1	400	16	6,212
73	New Madrid	45	691,778	283,990	31,925	121,236	254,627	59	14	14,550	420	135,675
74	Newton	93	309,399	40,277	50,138	98,474	120,510	120	17	12,000	197	84,394
75	Nodaway	173	341,229	38,343	79,890	105,945	117,051	210	12	4,336	248	95,478
76	Oregon	50	77,385	16,730	10,920	33,090	16,645	61	3	1,170	67	22,264

BY COUNTIES: 1900.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
106,782	$53,921,296	23,683	$6,041,960	4,510	$756,172	$41,396,905	$3,339,156	$1,164,351	$29,328,853	$7,569,545	$214,988,018	$210,666,211	$4,321,807	$385,492,784	1
147	59,847	18	4,540	10	779	9,277	4,536	747	3,979	15	290,852	286,978	3,874	452,286	2
82	27,521	13	2,060	3	272	6,868	2,576	828	3,464	----------	149,201	145,198	4,003	264,041	3
83	31,057	3	945	8	836	6,643	1,968	717	3,758	200	66,308	61,896	4,412	153,190	4
199	77,492	39	6,764	9	696	28,206	8,797	1,413	17,996	----------	295,141	285,432	9,709	562,122	5
131	63,959	6	1,223	3	214	7,183	1,323	1,315	4,545	----------	303,532	297,106	6,426	451,872	6
67	25,606	7	1,269	6	605	9,319	2,751	587	5,790	191	104,303	101,715	2,588	200,079	7
199	73,363	20	4,037	10	647	21,065	9,428	2,327	9,275	35	334,235	327,546	6,689	566,623	8
25	8,263	4	770	2	150	3,648	1,266	565	1,742	75	84,030	82,097	1,933	133,215	9
97	30,645	----------	----------	2	150	3,188	432	559	2,117	75	99,800	98,530	1,270	180,616	10
216	88,667	53	10,434	10	1,258	26,828	7,820	1,672	17,261	75	280,531	270,233	10,298	559,290	11
5,780	2,858,313	2,298	587,252	214	37,020	1,229,339	116,479	45,853	871,455	195,552	34,905,720	34,640,831	264,889	42,467,681	12
697	227,204	5	1,094	59	11,399	42,686	3,468	4,677	34,541	----------	564,235	560,780	3,455	1,036,307	13
92	33,960	22	3,888	5	450	10,039	3,864	852	5,323	----------	261,848	256,484	5,364	410,516	14
159	57,633	20	4,588	7	791	11,533	3,483	1,061	6,189	200	217,607	205,660	11,947	393,532	15
30	10,070	----------	----------	----------	----------	1,976	760	377	839	----------	70,886	69,513	1,373	113,847	16
410	155,193	5	1,033	13	1,256	59,415	6,913	4,397	47,855	250	933,776	912,682	21,094	1,414,121	17
165	57,773	24	5,931	2	200	16,628	5,800	1,614	9,116	8	274,730	266,831	7,899	474,172	18
511	183,268	3	1,000	5	1,235	25,523	98	11,218	14,207	----------	936,331	936,035	296	1,270,276	19
77	29,393	12	2,357	1	150	8,931	3,343	1,403	4,185	----------	153,982	149,441	4,541	287,560	20
46	17,796	7	1,970	3	375	6,269	2,793	1,041	2,435	----------	127,401	125,202	2,199	215,940	21
97	36,305	14	2,941	9	1,002	21,384	2,875	1,397	17,012	100	259,893	253,823	6,070	412,481	22
33	10,687	29	3,661	17	1,688	4,621	1,355	610	2,656	----------	131,712	128,945	2,767	190,757	23
91	35,082	4	757	6	876	13,407	797	693	11,552	365	161,004	158,378	2,626	262,482	24
103	37,237	16	4,324	7	787	11,886	3,986	895	6,480	525	248,147	239,627	8,520	400,880	25
84	37,555	16	4,166	----------	----------	10,221	4,865	1,009	4,097	250	142,424	140,471	1,953	269,646	26
403	170,433	65	14,172	41	3,875	592,283	11,776	5,519	159,767	415,221	2,364,590	2,342,660	21,930	3,514,143	27
223	104,141	29	5,909	20	2,808	31,569	7,058	2,617	21,282	612	399,273	390,794	8,479	676,260	28
13	4,823	1	200	3	500	2,799	1,128	420	1,251	----------	93,246	91,861	1,385	127,804	29
48	19,153	4	750	2	150	5,832	1,307	806	3,664	55	201,061	193,956	7,105	303,112	30
17	5,754	6	1,229	1	120	2,254	648	380	1,226	----------	96,305	94,546	1,759	135,614	31
72	29,673	10	2,405	5	660	9,702	3,642	1,187	4,823	50	156,697	153,571	3,126	280,069	32
32	12,304	7	1,385	1	200	4,128	1,528	504	2,096	----------	65,932	64,108	1,824	124,246	33
285	79,752	3	491	7	648	26,255	1,065	2,401	9,789	13,000	247,357	198,928	48,429	423,377	34
50	13,907	----------	----------	----------	----------	3,163	200	525	2,438	----------	81,315	80,312	1,003	125,759	35
549	179,520	----------	----------	17	2,000	22,749	847	2,406	19,456	40	423,121	417,318	5,803	812,358	36
407	171,009	27	4,910	34	3,923	58,670	2,807	4,802	49,756	1,305	642,575	624,000	18,575	1,089,401	37
50	16,185	5	950	2	280	20,283	914	1,514	17,625	230	174,456	169,148	5,308	288,820	38
215	95,714	15	2,840	6	710	14,887	3,319	1,632	9,219	717	155,009	142,697	12,312	353,733	39
2,224	1,075,429	249	48,367	47	5,813	175,052	29,408	16,668	85,337	43,139	2,916,206	2,823,594	92,612	5,020,119	40
248	115,272	32	6,269	2	236	19,700	7,761	2,353	8,973	613	277,357	267,580	9,777	524,112	41
82	27,584	29	4,909	10	1,255	9,995	3,188	1,181	5,626	----------	197,839	193,806	4,033	338,990	42
216	87,820	28	6,333	26	4,016	33,084	7,411	2,820	22,853	----------	320,017	297,395	22,622	613,556	43
18	6,796	----------	----------	2	155	1,616	522	361	733	----------	56,610	55,170	1,440	86,570	44
98	34,623	36	5,032	10	956	14,366	2,992	1,039	9,681	654	218,185	211,951	6,234	359,421	45
86	33,224	21	4,696	8	1,127	13,814	3,861	1,453	8,400	100	305,781	300,363	5,418	447,469	46
87	33,030	9	2,036	6	756	8,540	2,102	1,002	5,436	----------	295,783	291,228	4,555	430,251	47
278	94,496	3	625	7	934	21,830	5,567	1,958	14,305	----------	241,599	238,835	2,764	492,911	48
12,160	7,074,169	3,304	840,385	307	54,804	3,603,863	502,173	131,761	1,953,046	1,016,883	19,025,175	18,555,174	470,001	37,827,405	49
1,597	859,874	201	46,441	27	3,643	232,163	40,410	14,052	132,123	45,578	3,207,858	3,115,212	92,646	5,461,913	50
950	488,095	8	2,870	4	700	31,065	3,985	5,052	20,123	1,305	2,204,838	2,096,409	108,429	2,896,996	51
124	52,410	19	3,401	6	745	19,392	7,184	2,707	9,101	400	325,658	319,897	5,761	509,789	52
39	15,751	4	758	3	335	4,355	1,022	514	2,804	15	67,150	65,310	1,840	133,657	53
32	11,691	2	400	3	273	5,200	1,171	596	3,370	63	112,049	110,093	1,956	165,182	54
204	79,193	75	14,185	24	2,905	35,222	8,037	4,104	22,606	475	639,182	625,235	13,947	993,480	55
236	96,421	55	8,069	19	1,839	27,871	4,413	3,959	19,207	292	646,353	631,266	15,087	962,106	56
115	37,166	54	8,087	11	1,346	10,994	2,256	1,055	7,683	----------	144,502	139,828	4,674	292,738	57
69	27,410	21	2,254	8	879	5,853	1,915	912	2,986	40	192,758	188,699	4,059	306,489	58
346	153,128	35	6,092	10	1,510	25,113	11,305	1,839	11,469	----------	359,044	316,540	42,504	729,562	59
259	111,363	55	12,450	10	1,265	21,687	9,177	2,155	9,983	372	382,759	376,141	6,618	729,665	60
83	27,078	----------	----------	2	217	5,291	1,486	629	3,176	----------	192,483	189,231	3,252	289,739	61
209	84,464	29	6,201	12	2,080	30,448	11,625	1,853	15,815	1,155	265,061	253,499	11,562	522,132	62
156	53,100	1	130	1	75	4,325	892	1,374	2,059	----------	293,140	286,145	6,995	469,671	63
12	4,342	----------	----------	2	350	666	166	189	311	----------	39,394	38,551	843	65,242	64
1,232	588,908	222	39,964	16	1,651	146,863	19,346	8,727	116,940	1,850	1,968,275	1,924,594	43,681	3,178,255	65
31	11,597	1	260	3	290	3,493	1,138	586	1,729	40	88,515	86,233	2,282	141,428	66
30	10,366	----------	----------	1	181	1,784	176	550	1,058	----------	98,259	95,953	2,306	148,701	67
190	60,857	----------	----------	6	1,038	10,361	897	1,520	7,944	----------	288,447	286,518	1,929	482,409	68
101	40,971	6	1,346	7	982	14,424	3,279	1,559	4,566	5,020	193,969	189,623	4,346	336,827	69
73	27,670	2	400	5	820	7,156	3,888	652	2,416	200	88,259	85,322	2,937	138,070	70
55	20,937	11	2,025	11	1,280	3,473	958	1,000	1,430	85	143,080	139,796	3,284	242,999	71
16	6,212	----------	----------	----------	----------	613	126	299	188	----------	38,185	37,270	915	65,999	72
401	132,605	1	130	18	2,940	23,014	608	3,421	18,985	----------	288,499	286,379	2,120	561,608	73
172	79,784	24	4,580	1	80	12,179	4,144	1,364	6,671	----------	449,455	442,230	7,225	749,900	74
189	84,941	40	8,036	19	2,501	20,108	8,200	1,991	9,917	----------	316,055	303,215	12,840	606,711	75
59	21,274	2	350	6	640	2,892	919	489	1,484	----------	148,451	145,921	2,530	227,911	76

TABLE 6.—MANUFACTURES

	COUNTIES AND MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL.					Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC.		AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES.	
			Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.		Number.	Salaries.	Total.	
											Average number.	Wages.
77	Osage	60	$145,699	$14,515	$26,425	$50,075	$54,684	71	1	$500	43	$15,758
78	Ozark	28	50,538	7,105	5,485	27,715	10,233	36			20	7,602
79	Pemiscot	43	818,723	370,983	28,818	204,314	214,608	55	15	12,200	458	151,482
80	Perry	65	177,172	10,290	25,915	60,674	80,293	76	3	1,884	50	22,690
81	Pettis	174	1,348,263	130,308	300,402	452,370	465,183	184	80	57,905	1,121	470,977
82	Phelps	67	99,821	11,490	19,709	44,140	24,482	79	1	1,140	60	22,946
83	Pike	166	1,560,115	78,145	167,049	277,365	1,037,556	187	130	120,023	687	217,776
84	Platte	72	184,052	10,205	41,015	84,985	47,847	76	7	5,750	98	33,977
85	Polk	83	274,960	14,505	45,510	78,915	136,030	108	12	4,130	114	29,168
86	Pulaski	37	74,730	6,735	17,620	36,905	13,470	41	3	900	25	8,383
87	Putnam	49	136,843	12,630	17,935	38,700	67,578	65	7	6,600	60	19,007
88	Ralls	23	65,014	3,205	19,380	16,969	25,460	30	4	3,400	108	34,320
89	Randolph	130	661,643	68,895	184,100	237,189	171,459	148	50	43,743	818	368,809
90	Ray	70	149,835	18,430	33,100	55,570	47,735	84	2	350	90	28,948
91	Reynolds	35	69,525	9,795	6,060	36,245	17,425	43	1	250	74	23,915
92	Ripley	46	417,267	142,637	21,672	161,497	91,461	52	34	20,563	337	82,314
93	St. Charles	129	2,127,078	95,565	413,740	488,712	1,129,061	136	64	62,003	1,333	620,624
94	St. Clair	85	128,942	10,295	26,438	57,090	35,119	97	6	2,510	62	17,775
95	Ste. Genevieve	61	321,875	55,040	65,530	99,099	102,206	76	14	3,300	95	34,586
96	St. Francois	76	507,537	49,815	89,585	63,097	305,040	104	16	12,712	312	142,212
97	St. Louis	183	1,143,912	214,425	273,656	189,541	466,290	188	51	69,826	664	295,801
98	St. Louis city	6,732	162,179,331	17,360,313	23,899,872	39,870,415	81,048,731	6,657	9,778	10,994,620	82,672	38,191,076
99	Saline	136	448,749	36,818	90,150	173,250	148,531	159	17	11,720	209	74,459
100	Schuyler	51	121,420	9,540	20,745	59,055	32,080	66	1	468	47	14,578
101	Scotland	72	121,565	9,270	24,530	46,735	41,030	91	6	2,914	101	31,499
102	Scott	37	150,955	21,645	20,680	53,032	55,598	42	5	2,520	110	39,328
103	Shannon	37	1,036,700	390,421	30,080	251,947	364,252	53	31	29,958	366	146,356
104	Shelby	64	164,990	19,205	45,400	48,785	51,600	85			74	23,189
105	Stoddard	79	444,591	53,518	44,940	129,278	216,855	101	21	17,294	407	153,702
106	Stone	22	38,220	7,655	3,685	15,235	6,645	27			15	6,600
107	Sullivan	76	155,471	17,415	28,261	62,206	47,589	108	6	2,194	70	18,345
108	Taney	28	52,499	5,580	6,850	26,390	13,679	37			21	6,403
109	Texas	70	145,373	27,190	18,250	77,462	22,471	84	1	480	84	27,440
110	Vernon	149	534,856	42,640	150,350	181,805	160,061	172	31	19,705	459	212,098
111	Warren	30	75,178	4,673	14,050	20,555	35,895	38			24	7,925
112	Washington	33	144,157	65,955	20,060	35,041	23,101	34	9	3,200	71	23,132
113	Wayne	49	1,575,205	399,045	179,601	593,287	403,272	59	25	20,579	458	159,427
114	Webster	37	67,109	4,270	15,240	30,190	17,409	54			15	5,081
115	Worth	52	92,325	10,505	19,460	38,925	23,435	65			44	15,323
116	Wright	54	123,005	11,088	19,980	49,883	42,054	71	1	150	38	10,091

TABLE 7.—MANUFACTURES BY

1	All industries	18,754	$249,888,581	$26,757,573	$36,743,766	$70,040,656	$116,341,586	20,659	13,900	$14,569,606	134,975	$60,719,428
2	Agricultural implements	26	1,412,165	129,735	176,565	288,845	822,020	25	81	101,977	493	242,307
3	Ammunition	3	106,000	30,000	28,000	13,600	34,400	1	5	8,400	21	11,550
4	Artificial limbs	7	12,200	20	80	3,100	9,000	6	3	1,200	12	7,463
5	Awnings, tents, and sails	19	265,156		500	35,842	228,814	19	72	49,228	371	111,672
6	Babbitt metal and solder	4	660,310	41,001	79,765	36,186	503,358	3	32	47,730	64	35,070
7	Baking and yeast powders	17	170,962	13,250	3,150	20,335	134,227	14	54	60,610	105	31,084
8	Baskets, and rattan and willow ware	8	442,638	40,000	37,000	27,246	288,392	8	15	17,100	269	103,892
9	Belting and hose, leather	4	112,000	15,000	25,000	10,500	61,500	1	14	14,900	25	13,072
10	Bicycle and tricycle repairing	96	72,963	1,925	3,000	28,453	39,585	112	2	1,560	84	38,507
11	Billiard tables and materials	5	11,825			1,375	10,450	4	3	1,550	18	10,400
12	Blacksmithing and wheelwrighting	2,380	2,273,290	399,151	565,589	428,808	879,742	2,778	13	10,702	1,557	715,660
13	Bookbinding and blank book making	24	234,352			93,015	141,337	25	22	24,276	346	141,390
14	Boot and shoe cut stock	3	29,810			1,864	27,946	1	6	8,800	43	12,124
15	Boots and shoes, custom work and repairing	785	269,642	37,430	69,030	63,633	99,549	807	3	1,549	302	136,633
16	Boots and shoes, factory product	50	4,183,979	89,250	456,877	804,568	2,833,284	25	330	346,877	5,915	2,052,114
17	Bottling	16	702,597	87,070	96,940	95,607	422,980	10	24	30,050	1,256	331,587
18	Boxes, cigar	5	42,600	5,500	4,000	13,200	19,900	4	7	9,560	83	27,285
19	Boxes, fancy and paper	12	322,898			125,875	197,023	6	42	47,760	658	134,228
20	Boxes, wooden packing	27	668,275	87,920	82,701	143,091	354,563	19	51	58,288	850	320,611
21	Brass castings and brass finishing	12	360,475	29,380	18,500	82,580	230,015	11	26	33,218	190	95,933
22	Brassware	3	39,250	4,000	8,000	10,100	17,150	4	4	3,360	75	38,780
23	Bread and other bakery products	582	3,748,077	284,250	523,450	1,894,779	1,045,598	609	390	273,809	2,264	985,472
24	Brick and tile	219	6,051,078	1,196,076	1,050,303	849,871	2,954,328	260	97	112,717	2,440	866,946
25	Bridges	7	195,021	1,500	2,500	28,224	162,797	4	29	27,220	622	369,367
26	Brooms and brushes	98	182,487	16,440	15,610	19,285	131,152	111	30	24,017	264	102,991
27	Buttons	11	39,495	600	3,150	12,188	23,557	15	4	1,236	83	23,881
28	Carpentering	1,104	2,291,154	218,762	220,277	321,851	1,530,264	1,270	107	111,649	5,558	2,708,842
29	Carpets, rag	21	5,620	145	490	2,337	2,648	21			26	8,493
30	Carriage and wagon materials	32	649,287	47,850	68,100	185,022	348,315	28	36	39,725	465	196,685
31	Carriages and wagons	377	4,019,087	461,954	558,648	314,923	2,683,567	462	190	210,305	2,588	1,310,560

BY COUNTIES: 1900—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
42	$15,701			1	$52	$3,682	$858	$676	$2,098	$50	$190,914	$187,080	$3,834	$260,397	77
19	7,482			1	120	3,080	160	415	2,505		103,518	102,247	1,271	148,312	78
441	149,331			17	2,151	29,964	5,715	6,521	17,728		375,607	371,760	3,847	718,138	79
48	22,240	2	$450			5,002	1,678	1,042	2,282		174,996	171,008	3,988	251,922	80
825	410,685	282	57,855	14	2,437	71,266	19,882	8,468	42,474	442	873,066	839,308	33,758	1,699,163	81
54	21,846	2	425	4	675	7,910	3,387	844	3,479	200	134,248	131,532	2,716	227,750	82
539	193,146	124	20,368	24	4,262	327,892	8,901	4,550	301,367	13,074	1,247,156	1,215,509	31,647	2,359,437	83
68	29,443	19	3,194	11	1,340	21,335	2,014	711	18,575	35	191,150	185,248	5,902	346,948	84
57	20,850	36	5,980	21	2,338	28,098	3,790	1,331	22,702	275	256,657	250,964	5,693	466,292	85
24	8,287			1	96	1,622	524	468	630		74,232	72,924	1,308	113,365	86
34	12,673	21	5,800	5	534	23,011	1,755	648	20,608		91,750	90,294	1,456	183,153	87
104	33,675	1	160	3	485	2,178	557	316	1,305		59,786	49,085	10,701	117,465	88
762	359,680	40	7,810	16	1,319	45,555	9,766	5,596	27,464	2,729	494,123	472,151	21,972	1,098,309	89
65	24,313	17	3,380	8	1,255	9,836	3,744	868	5,174	50	126,210	123,326	2,884	244,396	90
72	23,770			2	145	1,956	154	364	1,438		76,617	76,352	265	139,682	91
331	81,189	1	300	5	825	14,648	642	3,800	10,206		179,236	178,047	1,189	382,381	92
1,279	613,863	20	2,484	34	4,277	130,905	11,966	4,040	114,199	700	2,126,678	2,068,710	57,968	3,375,065	93
45	15,377	7	1,256	10	1,142	5,138	2,647	708	1,778		138,360	134,417	3,943	215,428	94
71	31,000	17	2,700	7	836	19,554	1,033	1,189	17,332		307,899	298,811	9,088	438,209	95
302	140,515	5	1,138	5	559	13,258	2,510	3,512	7,216	20	974,090	946,386	27,704	1,264,013	96
598	276,778	49	15,974	17	3,049	142,625	10,118	4,326	116,476	11,705	701,350	654,437	46,913	1,441,463	97
64,111	33,587,466	15,548	4,113,863	3,013	539,747	33,271,804	2,262,390	745,815	24,489,616	5,773,983	117,861,443	115,458,275	2,403,168	233,629,733	98
170	67,849	31	5,651	8	959	35,084	7,296	2,168	13,233	12,387	517,297	505,260	12,087	800,921	99
38	13,099	2	502	7	977	3,046	813	608	1,625		102,526	100,378	2,148	164,887	100
89	30,061	4	540	8	898	5,518	2,035	648	2,835		75,340	72,326	3,014	177,730	101
106	38,828	1	200	3	300	6,161	801	417	4,943		354,689	350,497	4,192	463,465	102
362	145,846	4	510			26,039	482	9,165	16,392		571,087	569,809	1,278	880,382	103
56	20,185	8	1,909	10	1,095	6,599	1,622	909	4,068		103,694	101,518	2,176	202,881	104
399	152,841	1	200	7	661	24,085	1,664	3,404	18,547	470	441,486	436,835	4,651	866,237	105
13	6,170	2	430			2,476	254	126	2,096		58,663	58,000	663	83,258	106
54	15,661	7	1,208	9	1,476	6,016	1,080	838	4,098		75,349	72,907	2,442	157,245	107
21	6,403					890	243	407	240		70,126	69,196	930	103,587	108
81	27,086	2	254	1	100	2,753	428	833	1,492		181,087	178,995	2,092	282,267	109
421	204,896	30	6,338	8	869	41,265	10,104	3,240	21,921	6,000	781,813	749,617	32,196	1,210,973	110
21	7,533			3	392	2,160	854	201	1,105		78,863	77,028	1,835	118,880	111
68	22,742			3	390	1,990	252	695	1,043		146,755	144,330	2,425	222,796	112
457	159,277			1	150	45,492	1,258	5,502	38,737		755,442	753,835	1,607	1,098,392	113
18	4,760	2	321			1,969	686	432	851		164,171	161,633	2,538	211,004	114
37	13,940	5	1,179	2	204	3,873	1,861	503	1,509		72,043	69,617	2,426	132,006	115
23	8,551	4	760	11	780	2,658	924	563	1,171		143,710	141,020	2,690	201,191	116

SPECIFIED INDUSTRIES: 1900.

106,782	$53,921,296	23,683	$6,041,960	4,510	$756,172	$41,396,905	$3,339,156	$1,164,351	$29,823,853	$7,569,545	$214,988,018	$210,666,211	$4,321,807	$385,492,784	1
492	242,207			1	100	65,325	3,591	4,712	56,092	930	406,977	392,532	14,445	953,965	2
17	10,780	3	650	1	120	6,285	815	1,745	4,225		429,810	428,680	1,130	498,000	3
11	7,026	1	487			3,680	2,196	61	1,373		5,012	4,907	105	29,949	4
124	56,858	237	53,350	10	1,464	35,041	17,014	919	15,108	2,000	537,772	535,086	2,686	989,964	5
64	35,070					72,954	228	3,841	65,885	3,000	2,535,967	2,526,177	9,790	2,785,834	6
35	16,600	70	14,484			27,323	6,089	695	20,539		412,308	410,042	2,266	677,418	7
183	88,332	41	7,800	45	8,260	10,891	1,572	1,200	8,119		126,226	123,080	3,146	361,290	8
24	12,922			1	150	20,641	1,380	778	16,533	1,950	165,075	163,690	1,385	224,500	9
73	36,781	1	360	10	1,366	21,620	14,423	472	4,675	2,050	83,291	81,544	1,747	227,960	10
18	10,400					3,243	1,500	68	1,675		13,939	13,754	185	50,850	11
1,504	706,654			53	9,006	159,663	105,362	14,305	37,125	2,871	1,144,557	1,056,622	87,935	3,742,105	12
154	89,633	184	50,500	8	1,257	24,438	13,113	539	9,016	1,760	122,994	119,821	3,178	384,229	13
28	8,856	15	3,268			4,533	2,720	122	1,691		115,938	115,398	540	177,050	14
294	135,360	1	360	7	913	77,674	62,452	2,194	9,781	3,247	250,185	244,271	5,914	357,171	15
3,256	1,356,079	2,207	623,281	452	72,754	643,942	48,800	11,920	258,922	324,300	7,993,026	7,935,964	57,062	11,253,202	16
922	257,401	7	1,770	327	72,416	143,697	27,810	5,774	110,113		3,113,297	3,107,082	6,215	4,014,503	17
33	14,525	45	11,960	5	750	2,964	1,284	152	1,528		54,364	53,294	1,070	109,625	18
147	58,912	384	59,552	127	15,764	27,890	15,370	815	11,705		163,789	159,360	4,429	487,844	19
712	299,309	13	2,702	125	18,600	61,641	18,956	4,260	38,425		814,797	808,023	6,774	1,467,054	20
185	94,893			5	1,040	46,449	6,450	1,531	37,468	1,000	928,415	913,940	14,475	1,158,054	21
74	38,600			1	180	2,327	960	180	1,287		40,340	39,180	1,160	120,500	22
1,602	835,376	552	126,080	110	24,066	414,991	143,683	17,537	252,881	890	3,884,605	3,784,747	99,858	7,284,208	23
2,305	848,925			135	18,021	170,569	20,504	22,020	119,593	8,452	472,120	57,088	415,032	1,988,250	24
622	369,367					8,522	672	655	6,345	850	260,770	256,480	4,290	758,486	25
215	94,877	22	5,015	27	3,099	33,449	6,135	1,055	17,259	9,000	309,337	308,317	1,520	606,530	26
58	19,133	21	4,220	4	528	10,788	2,640	74	7,874	200	26,679	25,229	1,450	85,449	27
5,540	2,705,059	1	800	17	2,983	4,885,165	65,876	10,415	130,092	4,678,782	6,130,326	6,112,204	18,122	16,592,767	28
18	7,443	2	331	6	719	2,087	1,768	53	266		6,373	6,207	166	31,940	29
450	194,024	4	1,265	11	1,396	30,328	8,825	1,862	19,191	450	425,635	420,462	5,178	968,855	30
2,620	1,292,522	42	13,966	21	4,072	251,744	92,603	18,074	128,880	12,187	2,733,960	2,683,083	50,877	5,583,364	31

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
32	Cars and general shop construction and repairs by steam railroad companies.	43	$3,645,260	$764,835	$882,094	$701,632	$1,296,699		242	$219,292	5,581	$3,182,753
33	Cars and general shop construction and repairs by street railroad companies.	4	525,563	154,843	262,220	58,500	50,000		10	8,200	440	263,326
34	Cars, steam railroad, not including operations of railroad companies.	4	4,530,982	393,229	755,476	711,140	2,671,137		117	125,561	2,772	1,373,353
35	Cars, street railroad, not including operations of railroad companies.	4	2,740,655	357,064	301,731	281,180	1,800,680		48	87,597	1,175	626,481
36	Charcoal	4	43,481	2,400	19,850	3,450	17,781	3	2	1,020	200	31,763
37	Cheese and butter, urban dairy products.	36	15,435	3,150	2,950	4,735	4,600	34			15	4,897
38	Cheese, butter, and condensed milk, factory product.	79	199,796	11,166	67,255	90,209	31,166	66	24	4,994	74	31,138
39	Chemicals	8	1,969,875	181,224	294,389	427,586	1,066,676	1	78	111,606	340	162,351
40	China decorating	5	2,830			555	2,275	6			1	600
41	Cleansing and polishing preparations	8	12,160		500	2,360	9,300	7	18	11,049	14	6,132
42	Clocks	3	205,275	400	1,500	10,425	192,950	1	6	6,400	35	21,692
43	Clothing, men's, custom work and repairing.	745	1,784,030	76,105	87,875	89,400	1,530,650	810	166	178,429	2,517	1,335,225
44	Clothing, men's, factory product	148	4,651,882	78,100	109,900	249,794	4,219,088	161	386	511,336	6,129	1,693,725
45	Clothing, men's, factory product, buttonholes.	5	3,810			2,370	1,440	5			12	4,458
46	Clothing, women's, dressmaking	314	210,087	12,225	20,250	37,775	139,837	335	26	33,699	1,315	382,257
47	Clothing, women's, factory product	48	1,019,456	6,500	4,000	99,751	909,205	56	190	191,051	2,068	564,385
48	Coffee and spice, roasting and grinding	27	2,517,482	330,866	57,622	269,857	1,859,137	18	285	300,387	499	176,420
49	Coffins, burial cases, and undertakers' goods.	5	428,734	18,100	47,400	41,600	321,634	2	62	64,454	350	149,827
50	Coke	3	1,850	125		1,575	150				4	2,220
51	Confectionery	99	2,842,164	241,650	363,360	974,956	1,262,198	105	475	378,221	2,058	662,518
52	Cooperage	80	1,350,369	135,693	187,150	189,765	837,761	85	59	79,530	1,304	484,419
53	Corsets	7	114,820	6,417	24,000	19,075	65,328	5	7	6,390	135	35,218
54	Cotton, ginning[1]	22	59,021	1,780	11,450	45,291	500	31	4	304	22	3,295
55	Cutlery and edge tools	6	43,597	50	450	6,547	36,550	6	7	4,392	43	13,757
56	Druggists' preparations, not including prescriptions.	13	871,084	49,675	61,600	21,140	738,669	7	94	133,045	193	67,454
57	Dyeing and cleaning	76	176,772	25,500	64,900	55,960	30,412	82	16	15,070	298	131,348
58	Electrical apparatus and supplies	17	981,975	35,000	65,000	170,973	711,002	11	59	68,650	533	186,216
59	Electrical construction and repairs	42	117,209			21,104	96,105	44	30	19,836	185	111,490
60	Electroplating	13	44,675			22,575	22,100	15	7	5,956	96	45,728
61	Enameling and enameled goods	4	41,453			22,494	18,959	2	9	6,868	35	10,486
62	Engraving and diesinking	21	54,600		2,000	35,550	17,050	18	19	21,240	110	57,079
63	Engraving, steel, including plate printing.	8	54,158			21,005	33,153	6	17	16,278	63	30,379
64	Engraving, wood	11	10,780			4,825	5,955	13			28	11,022
65	Envelopes	4	94,920			58,599	36,321	4	8	6,469	70	21,835
66	Fancy articles, not elsewhere specified	7	62,303		3,200	22,615	36,488	2	5	2,100	32	12,684
67	Fertilizers	3	219,201	20,767	46,957	37,607	113,870	1	15	12,907	60	27,986
68	Files	3	8,635			2,650	5,985	4	2	1,200	10	4,200
69	Flags and banners	3	45,840			800	45,040	2	3	5,100	20	7,120
70	Flavoring extracts	14	107,810			7,710	100,100	16	17	58,640	82	30,903
71	Flouring and grist mill products	1,145	11,402,827	868,775	2,309,234	4,201,382	4,023,436	1,446	374	355,125	1,654	851,377
72	Food preparations	30	872,688	13,552	162,968	155,777	540,391	28	100	120,461	409	165,755
73	Foundry and machine shop products	261	11,606,445	1,259,921	1,292,500	2,420,658	6,633,366	210	751	860,927	7,084	3,882,749
74	Fruits and vegetables, canning and preserving.	45	345,360	22,117	71,255	128,736	123,252	33	74	23,007	650	116,467
75	Fur goods	12	89,700	2,000	2,000	4,850	80,850	8	14	5,536	92	37,310
76	Furnishing goods, men's	8	166,691	600	400	8,100	157,591	9	32	28,720	147	44,754
77	Furniture, cabinetmaking, repairing, and upholstering.	204	644,828	72,010	145,790	58,588	368,440	205	36	48,342	668	337,244
78	Furniture, factory product	54	3,058,408	451,935	597,316	435,191	1,573,966	34	265	278,689	2,554	1,109,128
79	Gas and lamp fixtures	8	103,289	500	600	19,463	82,676	9	13	14,450	83	38,843
80	Gas, illuminating and heating	25	33,504,380	2,496,192	2,469,645	25,043,913	3,494,630		150	112,451	834	464,417
81	Glass	3	2,198,316	251,081	668,346	878,589	400,300		26	47,448	650	341,375
82	Glass, cutting, staining, and ornamenting.	17	410,865	33,750	20,000	16,605	340,510	13	22	28,690	323	94,556
83	Grease and tallow	7	474,884	61,946	98,240	150,010	164,688	5	14	20,780	70	38,940
84	Hairwork	9	20,020	6,000	3,000	3,205	7,815	10	3	1,200	19	3,984
85	Hand stamps	10	31,195			13,380	17,815	7	5	5,400	36	18,017
86	Hardware	5	369,919	27,000	49,000	83,200	210,719	1	19	37,800	501	161,550
87	Hats and caps, not including fur hats and wool hats.	16	64,189			15,671	48,518	24	7	2,848	182	64,567
88	House furnishing goods, not elsewhere specified.	6	12,975			6,085	6,890	3	6	5,130	20	6,345
89	Ice, manufactured	31	1,835,166	271,383	406,038	977,152	180,593	18	65	66,315	279	157,006
90	Instruments, professional and scientific	8	168,168			52,268	115,900	7	2	5,800	72	56,752
91	Iron and steel	7	2,295,278	367,920	406,996	510,042	1,010,320		68	96,331	1,868	1,006,584
92	Ironwork, architectural and ornamental.	20	1,705,742	198,500	189,618	300,072	1,017,552	10	95	121,119	768	441,467
93	Jewelry	13	146,912			40,200	106,712	12	6	7,676	172	118,683
94	Kaolin and other earth grinding	5	278,466	33,000	66,717	124,356	54,393	6	7	6,400	112	51,449
95	Lamps and reflectors	10	339,796	500	10,300	41,250	287,746	11	15	16,005	154	59,099
96	Lead, smelting and refining	11	944,539	107,000	269,550	61,128	506,861	3	35	47,360	474	255,590

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

SPECIFIED INDUSTRIES: 1900—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
5,572	$3,180,795	6	$1,569	8	$389	$102,500	$10	$48,637	$53,858	------	$3,019,574	$2,931,231	$88,343	$6,524,121	32
440	263,326	------	------	------	------	7,752	------	5,626	2,126	------	229,813	226,993	2,820	539,671	33
2,766	1,371,198	6	2,155	------	------	198,160	3,263	7,463	187,434	------	5,101,335	4,999,808	101,527	7,722,768	34
1,170	625,276	2	725	3	480	129,709	5,120	51,111	73,478	------	1,329,966	1,320,084	9,882	2,406,836	35
200	81,763	------	------	------	------	12,816	------	108	708	$12,000	14,837	14,777	60	67,270	36
13	4,527	2	370	------	------	3,859	2,272	147	1,440	------	30,800	30,485	315	44,276	37
66	29,775	5	963	3	400	5,989	1,843	912	3,234	------	329,158	320,611	8,547	431,936	38
277	150,557	37	7,152	26	4,642	135,806	7,200	16,775	111,831	------	1,335,798	1,302,927	32,871	1,804,090	39
------	------	1	600	------	------	829	590	9	230	------	4,735	4,665	70	11,275	40
14	6,132	------	------	------	------	3,591	1,227	99	2,265	------	14,729	14,564	165	47,459	41
35	21,692	------	------	------	------	2,583	2,172	281	80	------	70,464	69,698	766	184,975	42
1,835	1,119,969	636	207,191	46	8,065	646,939	258,476	8,891	146,617	232,955	1,907,189	1,888,223	18,966	5,107,616	43
957	469,065	5,098	1,214,440	74	10,220	685,073	111,031	16,992	153,285	403,765	5,095,150	5,057,152	37,998	8,925,088	44
7	3,228	5	1,230	------	------	686	508	------	178	------	2,419	2,196	223	14,112	45
50	38,340	1,230	339,825	35	4,092	68,701	49,303	1,292	15,358	2,748	476,214	472,457	3,757	1,272,578	46
378	162,236	1,632	393,994	58	8,155	135,795	48,957	3,809	37,819	45,210	1,739,810	1,725,746	13,564	3,124,901	47
266	131,522	195	39,883	38	5,015	212,681	51,144	10,083	148,704	2,750	4,303,097	4,279,077	24,020	5,266,264	48
273	131,338	77	18,489	------	------	51,851	14,860	2,540	34,451	------	491,523	487,809	3,714	775,301	49
4	2,220	------	------	------	------	125	------	35	90	------	2,566	2,566	------	5,520	50
984	451,307	1,024	203,483	50	7,723	439,566	91,613	13,083	334,070	800	3,476,112	3,437,275	38,837	5,554,384	51
1,198	464,567	7	1,150	99	18,702	84,507	10,795	5,900	67,812	------	1,262,226	1,254,252	7,974	2,252,442	52
9	6,331	122	28,497	4	390	13,820	2,084	451	11,285	------	65,462	64,450	1,012	129,187	53
22	3,295	------	------	------	------	1,570	15	302	1,253	------	9,348	8,089	1,259	34,436	54
40	12,957	3	800	------	------	5,937	1,512	42	3,383	1,000	18,202	16,957	1,245	53,456	55
78	40,288	114	27,016	1	150	319,071	8,242	1,904	308,925	------	481,604	479,412	2,192	1,718,970	56
191	99,398	96	30,135	11	1,815	38,439	20,799	1,744	14,671	1,225	43,708	37,167	6,541	334,777	57
405	156,646	111	26,245	17	3,325	144,966	11,408	3,147	124,276	6,135	355,475	344,342	11,133	910,602	58
183	111,232	------	------	2	258	22,472	11,508	453	7,261	3,250	297,809	295,739	2,070	542,253	59
78	42,110	2	480	16	3,138	12,272	6,694	156	5,242	180	19,367	17,330	2,037	105,415	60
25	9,010	9	1,320	1	156	3,140	1,913	122	1,105	------	11,961	9,371	2,590	42,688	61
92	53,827	5	1,180	13	2,072	14,899	7,681	314	5,704	1,200	33,081	29,713	3,368	169,422	62
51	27,609	12	2,770	------	------	9,664	4,796	140	3,228	1,500	35,026	33,961	1,065	116,206	63
21	10,288	1	150	6	584	2,726	1,504	34	828	360	3,507	3,409	98	35,423	64
24	12,360	45	9,240	1	235	4,518	2,230	248	2,040	------	62,587	61,495	1,092	107,771	65
15	8,365	14	3,611	3	708	5,222	2,726	66	1,680	750	13,671	11,661	2,010	38,000	66
59	27,590	------	------	1	396	36,449	300	783	30,714	4,652	137,306	129,698	7,608	236,635	67
10	4,200	------	------	------	------	759	475	29	255	------	2,139	1,496	643	22,040	68
3	1,600	17	5,520	------	------	2,955	1,980	140	835	------	59,850	59,700	150	86,975	69
41	20,225	40	10,478	1	200	13,453	6,871	753	5,829	------	163,331	161,962	1,369	283,028	70
1,611	835,168	34	14,450	9	1,759	520,468	26,512	63,596	430,160	200	21,937,507	21,633,605	303,902	26,393,928	71
289	141,435	101	21,900	19	2,420	95,314	15,020	2,571	77,723	------	1,480,379	1,464,025	16,354	2,049,893	72
6,997	3,861,445	6	1,610	81	19,694	916,851	109,808	44,092	706,541	56,410	6,732,008	6,508,566	223,442	15,073,005	73
170	49,803	377	56,883	103	9,781	23,399	2,630	1,526	17,831	1,412	559,651	552,522	7,129	869,977	74
24	16,185	66	20,644	2	481	14,808	7,960	281	6,242	325	133,697	133,092	605	252,683	75
18	11,362	124	32,554	5	838	23,024	6,964	290	15,770	------	172,562	171,867	695	315,600	76
608	317,835	47	17,025	13	2,384	81,765	38,709	3,931	36,795	2,330	609,941	599,096	10,845	1,438,415	77
2,345	1,062,810	78	25,770	131	20,548	221,357	30,565	18,826	163,871	8,095	1,610,747	1,581,977	28,770	3,758,568	78
83	38,843	------	------	------	------	15,088	6,740	412	7,936	------	55,544	53,308	2,236	155,200	79
834	464,417	------	------	------	------	256,572	850	83,686	172,036	------	756,457	733,383	23,074	2,877,102	80
648	340,825	------	------	2	550	98,119	154	6,242	91,723	------	231,515	155,826	75,689	765,564	81
301	88,086	13	3,900	9	2,570	23,939	13,365	2,344	8,155	75	516,967	508,770	8,197	872,125	82
70	38,940	------	------	------	------	17,171	840	2,060	14,271	------	248,730	222,750	25,980	395,785	83
2	776	17	3,208	------	------	4,255	2,516	329	1,410	------	8,105	7,924	181	26,248	84
30	17,000	------	------	6	1,017	5,231	3,060	263	1,758	150	21,768	21,193	575	81,083	85
501	161,550	------	------	------	------	19,694	915	2,659	16,120	------	242,436	234,336	8,100	753,065	86
70	34,677	111	29,740	1	150	8,334	5,704	205	2,425	------	99,328	97,648	1,680	238,575	87
7	3,520	12	2,600	1	225	2,380	1,330	130	920	------	35,675	35,215	460	59,006	88
279	157,006	------	------	------	------	72,868	6,720	10,224	55,924	------	226,385	66,473	159,912	641,405	89
72	56,752	------	------	------	------	7,669	5,185	255	1,979	250	23,080	21,155	1,925	138,474	90
1,849	1,003,185	------	------	19	3,399	100,021	15,650	12,175	72,196	------	2,064,533	1,650,288	414,245	3,974,666	91
753	439,133	------	------	15	2,384	169,132	5,951	6,476	76,225	80,480	902,025	872,915	29,110	1,828,193	92
160	114,224	9	3,822	3	687	13,670	9,475	544	2,921	730	108,952	105,744	3,208	339,454	93
112	51,449	------	------	------	------	28,769	860	1,370	26,539	------	169,904	148,930	20,974	303,361	94
137	55,949	1	300	16	2,850	12,311	3,253	668	8,090	300	67,070	65,542	1,428	182,261	95
473	255,362	------	------	1	228	41,565	------	5,601	35,964	------	3,317,558	3,212,951	104,607	3,852,435	96

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
97	Leather goods	5	$51,290	$7,000	$18,000	$7,040	$19,250	8	6	$1,650	38	$16,100
98	Leather, tanned, curried, and finished	9	922,083	97,635	118,736	73,743	631,969	4	20	35,360	185	98,578
99	Lime and cement	31	797,926	201,852	232,119	107,675	256,280	18	48	46,350	583	206,837
100	Liquors, distilled	35	147,895	4,695	21,225	26,972	95,003	39	3	1,800	21	5,473
101	Liquors, malt	49	25,731,930	4,108,252	8,211,376	3,535,386	9,876,916	13	398	836,383	3,150	1,890,100
102	Liquors, vinous	7	506,600	13,800	138,100	28,200	326,500	3	19	37,650	48	22,405
103	Lithographing and engraving	10	523,341			272,123	251,218	6	56	81,619	385	203,833
104	Lock and gun smithing	105	75,672	8,825	11,325	27,175	28,347	114			52	26,502
105	Looking-glass and picture frames	57	235,004	13,725	22,698	19,363	179,218	61	32	33,877	259	120,945
106	Lumber and timber products	1,197	11,089,799	2,961,113	755,179	3,609,403	3,764,104	1,614	237	211,360	6,043	2,012,659
107	Lumber, planing mill products, including sash, doors, and blinds.	88	3,540,243	588,390	412,897	619,007	1,919,949	69	221	219,472	1,999	1,016,039
108	Malt	9	473,946	55,600	137,980	38,750	241,616	4	18	23,984	53	40,599
109	Mantels, slate, marble, and marbleized	8	3,710			310	3,400	5			18	11,250
110	Marble and stone work	85	970,503	221,867	49,978	207,186	491,972	93	71	65,865	717	392,413
111	Masonry, brick and stone	378	1,245,948	138,305	72,891	170,030	864,722	469	98	104,252	3,520	2,243,849
112	Mattresses and spring beds	26	249,215	14,300	25,000	45,293	164,622	27	19	22,247	257	110,550
113	Millinery and lace goods	13	93,640			23,482	70,158	9	27	14,884	418	82,105
114	Millinery, custom work	695	1,162,756	73,258	139,499	44,054	905,945	802	185	113,443	1,453	381,889
115	Mineral and soda waters	110	868,001	81,640	146,250	312,359	327,752	125	66	59,456	388	176,066
116	Mirrors	4	57,572	12,000		24,950	20,622	2	11	9,766	74	31,925
117	Models and patterns	19	39,810	1,400	560	19,422	18,428	20	4	3,660	79	51,537
118	Monuments and tombstones	139	645,793	133,300	65,889	29,306	417,298	167	54	33,247	327	168,659
119	Mucilage and paste	7	26,948			4,935	22,013	8	5	4,140	21	7,756
120	Musical instruments and materials, not specified.	10	26,555	3,250	6,000	2,990	14,315	10	2	1,520	32	19,360
121	Musical instruments, organs and materials.	4	43,380	4,300	20,100	1,330	17,650	6			28	13,916
122	Oil, not elsewhere specified	3	34,102			1,450	32,652	3	12	6,942	6	3,120
123	Optical goods	13	178,500			17,800	160,700	14	13	12,850	56	32,176
124	Painting, house, sign, etc	562	626,207	72,578	66,265	95,079	392,285	655	76	69,010	1,825	1,108,053
125	Paints	20	3,078,899	257,368	352,018	402,858	2,066,655	12	138	213,626	488	225,830
126	Paper hanging	130	286,368	15,175	22,305	19,506	229,382	139	55	43,460	517	295,321
127	Patent medicines and compounds	115	2,234,702	187,250	229,985	161,547	1,655,920	89	348	337,123	676	230,582
128	Paving and paving materials	117	2,576,787	541,556	125,133	489,939	1,420,159	119	138	150,157	2,496	1,196,006
129	Perfumery and cosmetics	7	82,407			8,150	74,257	7	21	26,195	91	32,593
130	Photographic materials	5	512,042	27,000	152,000	62,782	270,260	3	50	91,085	301	151,559
131	Photography	312	453,343	37,058	81,857	176,639	157,794	333	30	26,200	388	175,812
132	Photolithographing and photoengraving.	7	25,800			14,300	11,500	12	4	5,355	46	27,585
133	Pickles, preserves, and sauces	12	408,497	12,747	48,000	45,706	302,044	8	77	74,176	215	84,323
134	Pipes, tobacco	12	126,343	6,325	17,450	27,755	74,813	11	15	13,220	291	82,191
135	Plastering and stuccowork	171	171,551	30,695	34,155	20,992	85,709	210	3	1,890	459	268,829
136	Plated and britannia ware	3	68,800			44,000	24,800	1	6	5,250	35	16,298
137	Plumbers' supplies	8	303,460	27,200	22,800	85,860	167,600	1	64	53,291	347	179,120
138	Plumbing, and gas and steam fitting	358	1,187,024	139,260	86,940	106,844	853,980	438	126	109,011	1,538	978,696
139	Pottery, terra cotta, and fire-clay products.	37	2,952,107	877,991	731,508	380,819	961,789	27	123	161,997	1,607	647,728
140	Printing and publishing, book and job	283	4,636,838	140,200	163,750	2,114,377	2,218,511	284	725	621,308	3,496	1,717,664
141	Printing and publishing, music	3	4,650			2,000	2,650	3	1	60	2	1,020
142	Printing and publishing, newspapers and periodicals.	814	6,507,800	192,115	667,565	2,706,241	2,941,879	860	1,264	1,130,265	3,758	2,056,148
143	Refrigerators	3	48,150	3,300	8,000	6,600	30,250	3	8	7,960	48	18,312
144	Roofing and roofing materials	84	540,945	76,500	16,175	76,813	371,457	87	62	61,605	541	265,359
145	Saddlery and harness	587	2,568,611	199,548	416,317	193,637	1,759,109	667	178	168,117	1,407	660,008
146	Sausage	3	25,300			9,300	16,000	3	9	6,500	23	18,600
147	Saws	3	312,390		8,650	80,312	223,428		38	40,480	174	109,144
148	Scales and balances	4	8,350	1,000	1,000	3,150	3,200	5	1	1,200	13	5,916
149	Sewing machine repairing	19	5,415	50	250	1,475	3,640	20			7	4,068
150	Ship and boat building, wooden	10	25,930	1,901	2,625	7,627	13,777	12	3	3,070	66	45,909
151	Shirts	29	410,030			56,828	353,202	25	67	74,495	968	276,421
152	Show cases	5	151,329	16,269	26,000	10,598	98,462	5	12	8,511	133	58,282
153	Slaughtering and meat packing, wholesale.	31	7,844,054	392,756	1,663,141	1,059,749	4,728,408	27	232	244,475	3,043	1,416,680
154	Slaughtering, wholesale, not including meat packing.	6	99,979	2,900	200	31,755	65,124	6	10	9,300	59	24,062
155	Soap and candles	19	2,291,923	228,951	308,864	462,237	1,291,871	20	153	209,525	559	232,235
156	Sporting goods	4	18,700			13,200	5,500	2	2	3,000	63	14,140
157	Starch	3	24,700			3,700	21,000	3	25	33,600	70	19,475
158	Stationery goods, not elsewhere specified.	4	18,000			7,019	10,981	4	5	5,030	20	8,428
159	Steam fittings and heating apparatus	4	338,474	15,900	10,000	152,768	159,806	3	30	30,517	199	93,083
160	Steam packing	3	17,310			310	17,000	2	5	4,140	18	10,970
161	Stencils and brands	4	7,400			6,425	975	4			5	2,077
162	Stereotyping and electrotyping	5	47,500			28,000	19,500	8	13	12,130	62	37,670
163	Sugar and molasses, refining	14	126,264	3,170	8,540	50,193	64,361	12	16	18,656	32	17,350
164	Surgical appliances	11	19,449	725	500	2,990	15,234	12	6	10,800	22	8,408
165	Tinsmithing, coppersmithing, and sheet-iron working.	576	2,098,604	179,080	338,167	437,282	1,144,075	681	175	137,531	1,618	781,204
166	Tobacco, chewing, smoking, and snuff	22	7,020,479	307,050	1,568,905	956,199	4,188,325	17	742	741,291	3,720	1,402,549

SPECIFIED INDUSTRIES: 1900—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
35	$15,454			3	$646	$2,804	$612	$612	$1,580		$57,079	$56,669	$410	$90,055	97
184	98,422			1	156	27,846	800	2,209	24,837		557,131	550,697	6,434	816,720	98
583	206,837					40,045	4,500	3,065	32,480		233,910	123,936	109,974	600,432	99
21	5,473					43,991	25	331	43,575	$60	24,898	21,425	3,473	91,692	100
3,092	1,876,961	23	$5,425	35	7,714	6,137,846	31,874	151,076	5,954,896		3,073,011	2,753,999	319,012	13,776,905	101
45	21,960	3	445			39,903	6,318	865	32,725		83,166	82,051	1,115	199,130	102
301	183,420	81	20,018	3	400	64,240	12,372	1,428	44,469	5,971	217,436	213,508	3,928	687,848	103
43	24,973	4	780	5	749	15,349	11,598	509	3,242		27,937	25,896	2,041	138,767	104
181	89,652	30	11,309	48	19,984	38,106	18,270	1,207	18,629		245,718	243,294	2,424	545,888	105
5,886	1,985,223	51	8,010	106	19,426	321,300	15,476	63,631	242,193		6,410,216	6,406,718	3,498	11,177,529	106
1,955	1,008,145			44	7,894	487,641	21,506	21,490	219,365	225,280	2,247,720	2,216,760	30,960	4,417,871	107
53	40,599					20,371	2,900	2,451	15,020		210,225	197,945	12,280	313,803	108
18	11,250					1,455	840	15	600		64,210	64,210		70,000	109
713	391,728			4	685	58,333	14,276	3,371	35,368	4,818	402,207	382,681	19,526	1,138,566	110
3,517	2,242,972			3	877	513,887	21,188	6,416	68,979	417,304	3,519,419	3,506,451	12,968	7,757,613	111
181	90,514	45	13,785	31	6,251	34,352	11,643	1,451	21,158	100	371,993	367,676	4,317	638,962	112
20	11,597	389	69,508	9	1,000	10,860	7,551	394	2,915		280,513	279,471	1,042	455,598	113
29	15,530	1,387	361,843	37	4,466	227,887	138,354	16,596	72,877	60	1,697,643	1,690,164	7,479	3,240,618	114
335	166,107	16	3,312	37	6,647	102,824	20,975	3,705	77,774	370	303,325	297,075	6,250	895,862	115
68	31,035	2	350	4	540	11,455	5,769	155	5,531		75,584	74,375	1,159	153,500	116
75	50,762	1	300	3	475	6,803	4,272	191	1,340	1,000	23,396	21,612	1,784	107,727	117
326	168,451			1	208	41,193	11,243	3,115	24,580	2,255	489,155	485,929	3,226	967,794	118
17	6,768	4	988			4,767	2,130	118	2,519		27,751	26,518	1,233	63,418	119
32	19,360					2,228	1,224	142	857		10,907	10,380	527	45,181	120
28	13,916					3,555	186	362	3,007		12,457	12,355	102	36,490	121
6	3,120					2,521	1,120	278	1,123		24,130	23,915	215	45,310	122
51	30,626	3	1,050	2	500	18,366	8,880	163	8,823	500	121,703	119,993	1,710	235,610	123
1,797	1,102,412	1	555	27	5,086	140,584	51,263	3,963	62,428	22,930	807,780	804,659	3,121	2,818,521	124
456	217,587	24	6,924	8	1,319	169,984	19,659	15,827	134,498		3,234,423	3,203,939	30,484	4,323,355	125
506	293,159	1	250	10	1,912	76,951	52,892	1,865	22,194		267,564	266,947	617	869,297	126
364	160,464	275	66,064	37	4,054	849,540	34,093	4,877	803,720	6,850	849,885	831,094	18,791	2,912,781	127
2,486	1,194,074			10	1,932	190,398	18,328	9,602	97,520	64,948	1,652,881	1,622,471	30,410	3,723,895	128
27	15,395	61	16,712	3	486	61,754	4,290	297	57,167		156,854	156,516	338	367,243	129
237	131,555	64	20,004			105,258	180	2,862	102,216		573,717	564,667	9,050	1,022,496	130
240	129,345	133	44,070	15	2,397	96,275	64,892	3,863	24,421	3,099	246,331	241,240	5,091	392,856	131
40	26,235	1	575	5	775	8,305	2,952	111	4,662	580	10,136	8,479	1,657	74,597	132
118	69,188	90	14,095	7	1,040	62,372	9,010	1,817	51,545		635,948	629,918	6,030	935,028	133
233	73,447	17	3,025	41	5,719	18,287	1,571	726	15,990		95,313	93,108	2,205	260,508	134
454	268,109			5	720	34,410	9,809	1,265	17,846	5,490	173,685	173,292	393	682,233	135
27	13,310	4	1,500	4	1,488	3,333	1,750	188	1,395		16,969	15,978	991	58,287	136
339	177,160			8	1,960	18,938	10,610	1,545	6,783		233,927	228,067	5,860	548,076	137
1,498	966,175			40	7,521	155,101	74,568	5,758	54,323	20,452	1,799,205	1,785,917	13,288	3,909,559	138
1,586	643,641			21	4,087	191,727	5,207	13,716	169,451	3,353	369,957	205,381	164,576	1,662,150	139
2,490	1,449,869	839	239,824	167	27,971	780,325	136,142	14,629	282,718	346,836	2,500,782	2,438,050	62,732	6,095,752	140
1	720	1	300			2,187	234	103	995	855	720	700	20	6,100	141
2,747	1,839,571	567	161,528	444	55,049	1,385,340	182,513	25,351	748,524	428,952	2,204,785	2,136,016	68,769	9,254,097	142
48	18,312					7,369	1,760	359	5,250		25,256	23,418	1,838	75,543	143
540	265,159			1	200	62,232	15,027	1,718	45,487		657,299	652,431	4,868	1,344,858	144
1,324	639,980	52	14,517	31	5,511	179,892	80,110	15,404	53,693	30,685	2,255,525	2,237,993	17,532	4,148,324	145
23	13,600					2,561	1,700	131	730		73,462	72,822	640	121,450	146
174	109,144					20,115	5,100	1,937	13,078		147,777	142,777	5,000	432,873	147
13	5,916					1,283	804	53	426		5,854	5,423	431	22,225	148
7	4,068					2,371	1,818	78	475		7,180	7,061	119	22,012	149
66	45,909					6,342	2,880	82	3,230	150	31,914	31,084	830	93,367	150
65	40,510	875	232,154	28	3,757	37,833	23,477	1,207	11,149	2,000	450,378	443,216	7,162	1,009,835	151
129	57,664			4	618	14,561	1,425	446	12,690		88,062	86,814	1,248	223,209	152
2,920	1,392,645	8	2,160	115	21,875	350,599	8,005	14,742	327,352	500	38,391,243	38,235,309	155,934	42,229,127	153
57	23,812			2	250	13,668	4,300	575	8,793		716,894	713,469	3,425	811,758	154
426	203,408	132	28,546	1	281	234,127	2,737	9,434	221,956		2,455,556	2,427,029	28,527	3,450,738	155
13	6,860	50	7,280			2,790	1,460	45	1,285		24,403	23,903	500	53,610	156
19	10,430	51	9,045			12,020	1,620		10,400		126,610	126,250	360	230,000	157
14	7,380	2	460	4	588	4,396	1,418	58	2,655	265	7,993	7,553	440	32,214	158
199	93,083					27,988	4,680	349	17,836	5,123	185,404	157,422	27,982	439,487	159
18	10,970					3,098	1,320	81	1,697		29,204	29,189	15	53,000	160
3	1,762			2	315	1,227	672	18	237	300	1,818	1,798	20	3,500	161
54	36,250			8	1,420	7,873	4,340	318	3,215		18,541	15,935	2,606	102,140	162
30	16,882	2	468			19,452	925	807	17,720		222,994	220,027	2,967	357,289	163
11	5,279	11	3,124			10,726	2,551	93	7,882	200	11,688	11,616	72	57,737	164
1,546	768,258	10	2,314	62	10,632	184,616	81,298	10,655	80,298	12,365	1,576,102	1,552,500	23,602	3,438,493	165
1,887	841,414	1,747	539,671	86	21,464	12,511,008	7,544	45,091	12,458,373		8,255,857	8,198,927	56,930	25,101,446	166

TABLE 7.—MANUFACTURES BY

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
167	Tobacco, cigars and cigarettes	580	$990,758	$43,908	$96,595	$47,944	$802,311	642	78	$59,167	1,511	$694,655
168	Tools, not elsewhere specified	6	75,500	2,500	4,000	39,800	29,200	3	8	6,340	52	33,920
169	Toys and games	3	26,475	4,000	3,000	6,400	13,075	2	1	500	29	12,696
170	Trunks and valises	21	388,799	1,500	2,000	27,919	357,380	24	47	66,454	365	163,375
171	Type founding	3	252,175			120,500	131,675		20	20,120	146	64,359
172	Typewriter repairing	13	25,180			1,905	23,275	4	8	5,000	33	20,578
173	Umbrellas and canes	7	49,705			2,460	47,245	7	4	2,191	17	5,573
174	Upholstering materials	5	75,800	14,500	8,000	10,500	42,800	2	5	3,157	38	15,979
175	Varnish	7	165,323	17,000	8,660	19,717	119,946	2	19	27,194	27	17,361
176	Vinegar and cider	23	230,577	14,180	29,110	66,281	121,006	25	31	31,682	92	45,172
177	Washing machines and clothes wringers.	7	158,242	34,700	31,300	33,470	58,772	6	7	5,760	118	40,855
178	Watch, clock, and jewelry repairing	462	451,715	27,405	55,070	138,576	230,664	495	44	35,146	329	176,737
179	Window shades	6	244,145	80	200	4,065	239,800	4	10	11,060	56	22,186
180	Wirework, including wire rope and cable.	25	808,759	50,150	47,425	154,985	556,199	24	45	71,634	345	179,562
181	Wood, turned and carved	34	223,228	24,010	26,755	59,645	112,818	40	25	23,780	261	99,839
182	Woodenware, not elsewhere specified	4	6,550			3,550	3,000	5			4	1,272
183	Woolen goods	25	490,747	36,135	89,450	170,475	194,687	18	18	20,928	237	68,314
184	Wool pulling	4	65,420	400	500	15,120	49,400	4	1	1,200	33	19,759
185	Zinc, smelting and refining	5	804,029	25,500	283,000	77,300	413,229	1	17	36,880	500	268,196
186	All other industries [1]	101	9,824,658	1,038,225	1,141,522	2,620,440	5,024,471	64	427	454,420	3,291	1,815,114

[1] Embraces axle grease, 2; bags, other than paper, 2; bags, paper, 2; bells, 2; blacking, 2; bluing, 2; boot and shoe findings, 2; boot and shoe uppers, 2; boots and shoes, rubber, 1; calcium lights, 1; cloth, sponging and refinishing, 1; clothing, horse, 1; cordage and twine, 1; cork, cutting, 2; cotton, compressing, 2; cotton goods, 2; dentists' materials, 1; drug grinding, 1; explosives, 1; fire extinguishers, chemical, 1; fireworks, 1; fish, canning and preserving, 1; foundry supplies, 1; fur hats, 1; furs, dressed, 1; galvanizing, 1; gas and oil stoves, 1; gas machines and meters, 2; gloves and mittens, 2; glue, 2; gold and silver, leaf and foil, 1; hand knit goods, 1; hardware, saddlery, 1; hosiery and knit goods, 2; ink, printing, 1; ink, writing, 1; iron and steel, bolts, nuts, washers, and rivets, 2; iron and steel, doors and shutters, 1; iron and steel, forgings, 1; ivory and bone work, 1; japanning, 2; jewelry and instrument cases, 1; jute and jute goods, 1; kindling

TABLE 8.—MANUFACTURES IN CITIES

JOPLIN.

1	All industries	123	$1,411,495	$160,690	$244,759	$198,970	$812,076	146	52	$53,808	951	$516,080
2	Bicycle and tricycle repairing	4	4,300	1,800	100	1,600	800	5			4	1,720
3	Blacksmithing and wheelwrighting	15	45,327	15,550	3,925	3,470	22,382	22			44	27,254
4	Boots and shoes, custom work and repairing.	7	2,135		180	1,255	750	8			4	2,372
5	Carriages and wagons	3	17,750	6,500	4,100	1,850	5,300	4	1	500	31	15,470
6	Clothing, men's, custom work and repairing.	10	13,575			1,500	12,075	10	1	500	47	30,156
7	Confectionery	3	4,700			1,800	2,900	5			14	4,947
8	Foundry and machine shop products	11	310,100	43,800	41,750	65,700	158,850	12	7	5,640	243	157,758
9	Lumber, planing mill products, including sash, doors, and blinds.	4	29,640	3,740	4,600	14,200	7,100	4	2	1,896	29	18,820
10	Millinery, custom work	10	19,632			357	19,275	14			37	7,764
11	Plumbing, and gas and steam fitting	4	18,575			1,775	16,800	5	1	700	23	16,934
12	Saddlery and harness	3	5,100			600	4,500	5			5	2,402
13	Tinsmithing, coppersmithing, and sheet-iron working.	4	5,164		800	2,625	1,739	4			13	7,680
14	Tobacco, cigars and cigarettes	7	6,110	700	675	310	4,425	9			40	21,422
15	Watch, clock, and jewelry repairing	7	3,410			1,550	1,860	7			7	4,194
16	All other industries [1]	31	925,977	88,600	188,679	95,378	553,320	32	40	44,572	410	197,187

[1] Embraces awnings, tents, and sails, 1; bread and other bakery products, 2; brick and tile, 1; carpentering, 1; cars and general shop construction and repairs by steam railroad companies, 1; clothing, women's, dressmaking, 2; coke, 1; dyeing and cleaning, 1; flouring and grist mill products, 2; lead, smelting and refining, 1; liquors, malt, 1; mineral and soda waters, 2; monuments and tombstones, 1; painting, house, sign, etc., 2; patent medicines and compounds, 1; paving

KANSAS CITY.

1	All industries	1,797	$26,437,307	$2,246,097	$2,236,955	$11,947,799	$10,006,456	1,949	1,514	$1,449,221	15,381	$7,783,652
2	Agricultural implements	4	766,903	84,500	42,000	177,338	463,065	3	36	52,854	156	100,017
3	Bicycle and tricycle repairing	27	10,481		150	6,671	3,660	27			22	9,614
4	Blacksmithing and wheelwrighting	127	127,310	24,650	26,480	24,990	51,190	148			196	119,008
5	Bookbinding and blank book making	8	7,000			4,000	3,000	5			14	6,400
6	Boots and shoes, custom work and repairing.	123	22,475	650	950	9,025	11,850	122			49	24,841
7	Bottling	4	146,500	68,000	42,000	9,500	27,000		15	15,980	40	15,785
8	Boxes, wooden packing	3	6,750			1,750	5,000	2			27	12,080
9	Bread and other bakery products	66	141,165	27,690	20,950	42,228	50,297	72	28	14,350	232	130,269
10	Brick and tile	7	483,286	150,733	140,029	94,038	98,486	7	13	13,840	277	149,691
11	Brooms and brushes	7	15,930	6,900	1,350	1,450	6,230	8			27	12,260
12	Carpentering	174	355,610	63,100	27,335	38,253	226,922	205	14	15,280	858	572,367
13	Carriage and wagon materials	3	12,900			1,200	11,700	1	3	2,000	16	7,545
14	Carriages and wagons	25	89,480	6,500	9,650	13,800	59,480	33	2	2,600	147	75,920
15	Cars and general shop construction and repairs by steam railroad companies.	5	897,288	63,250	174,926	54,265	604,847		24	24,184	505	288,901
16	Cheese, butter, and condensed milk, factory product.	3	12,300			7,500	4,800	5	2	1,700	12	8,450

SPECIFIED INDUSTRIES: 1900—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
1,227	$642,145	149	$33,745	135	$18,765	$397,776	$61,422	$7,088	$328,494	$772	$1,026,984	$1,021,483	$5,501	$2,745,986	167
52	33,920					3,352	2,280	246	826		33,657	31,912	1,745	102,985	168
18	10,730	7	1,470	4	496	2,255	147	120	1,963	25	8,615	8,275	340	33,900	169
342	156,880	21	6,230	2	265	75,346	36,686	2,094	36,066	500	276,090	272,632	3,458	716,491	170
92	50,296	45	12,742	9	1,321	25,578	5,140	816	19,622		77,963	75,120	2,843	230,434	171
31	20,290			2	288	4,452	3,420	17	1,015		10,251	10,251		61,770	172
3	1,950	8	2,492	6	1,131	5,655	3,474	80	2,101		30,995	30,798	197	58,785	173
34	15,459			4	520	3,655	1,292	501	1,862		28,704	27,650	1,054	60,940	174
27	17,361					10,368	2,990	687	6,691		125,021	123,575	1,446	231,168	175
83	43,106	8	1,916	1	150	47,153	5,634	1,010	39,309	1,200	163,522	158,617	4,905	447,541	176
118	40,855					13,937	1,600	1,597	10,740		130,605	128,820	1,785	224,689	177
289	168,954	13	3,009	27	4,774	92,160	54,819	3,041	17,114	17,186	213,331	207,419	5,912	854,970	178
42	18,846	8	2,300	6	1,040	12,678	4,525	541	7,612		243,060	241,510	1,550	303,775	179
321	175,575			24	3,987	47,762	6,895	2,621	34,671	3,575	746,361	736,796	9,565	1,203,830	180
258	99,457			3	382	16,285	5,532	855	9,898		302,782	300,521	2,261	545,103	181
3	1,137	1	135			1,023	619	10	394		4,094	3,854	240	10,600	182
139	42,427	79	18,298	19	2,589	21,067	148	2,271	18,648		206,579	201,295	5,284	348,974	183
33	19,759					4,063	1,530	233	2,300		2,956	1,046	1,910	45,800	184
500	268,196					36,903	2,400	2,883	31,620		1,651,387	1,557,853	93,534	2,011,724	185
2,168	1,025,222	884	250,672	239	39,220	580,915	57,618	36,393	479,424	7,480	9,203,038	9,086,663	116,375	13,055,200	186

wood, 1; lapidary work, 1; lasts, 2; musical instruments, pianos and materials, 1; needles and pins, 2; nets and seines, 1; oil, castor, 1; oil, cottonseed and cake, 2; oil, linseed, 2; oleomargarine, 1; paper goods, not elsewhere specified, 2; paper patterns, 2; phonographs and graphophones, 1; printing materials, 2; pumps, not including steam pumps, 1; regalia and society banners and emblems, 2; registers, car fare, 1; rubber and elastic goods, 1; screws, machine, 1; sewing machines and attachments, 1; soda water apparatus, 2; springs, steel, car and carriage, 1; stamped ware, 2; taxidermy, 2; tin and terne plate, 1; whips, 2; windmills, 1; wood, preserving, 1; wool scouring, 1.

BY SPECIFIED INDUSTRIES: 1900.

JOPLIN.

875	$500,530	66	$14,073	10	$1,477	$110,962	$21,164	$6,518	$83,062	$218	$1,854,817	$1,802,577	$52,240	$2,961,793	1
4	1,720					696	570	51	75		2,679	2,542	137	9,095	2
42	26,890			2	364	1,990	1,416	265	309		31,660	30,216	1,444	91,246	3
4	2,372					644	597	11	36		4,294	4,233	61	11,612	4
31	15,470					619	84	92	325	118	13,242	12,750	492	38,920	5
41	28,021	6	2,135			4,638	3,020	23	1,595		52,444	51,657	787	111,845	6
8	3,662	6	1,285			2,186	1,560	81	545		10,864	10,736	128	32,400	7
243	157,758					3,151	660	662	1,729	100	326,335	314,551	11,784	592,421	8
28	18,695			1	125	1,146	10	226	910		16,430	15,765	665	51,700	9
		37	7,764			4,015	3,310	145	560		45,844	45,730	114	85,874	10
23	16,934					1,970	1,770	23	177		70,109	69,969	140	97,307	11
5	2,402					1,052	840	130	82		8,887	8,832	55	15,125	12
18	7,680					711	592	9	110		6,509	6,407	102	20,822	13
32	20,334	4	624	4	464	7,127	687	62	6,378		23,123	22,988	135	61,991	14
7	4,194					1,454	1,240	152	62		2,960	2,912	48	16,260	15
394	194,398	13	2,265	3	524	79,563	4,808	4,586	70,169		1,239,437	1,203,289	36,148	1,725,175	16

and paving materials, 1; photography, 2; pottery, terra cotta, and fire-clay products, 1; printing and publishing, book and job, 2; printing and publishing, newspapers and periodicals, 2; roofing and roofing materials, 2; zinc, smelting and refining, 1.

KANSAS CITY.

11,814	$6,899,848	3,268	$830,195	299	$53,609	$3,545,069	$494,411	$128,188	$1,906,552	$1,015,923	$18,214,198	$17,788,730	$425,468	$36,527,392	1
156	100,017					35,244	2,220	2,343	29,751	930	162,116	156,544	5,572	438,089	2
19	8,944			3	670	4,639	4,194	83	362		14,002	13,272	730	49,890	3
182	115,038			14	3,970	22,849	13,063	836	3,950		120,221	112,311	7,910	415,062	4
9	5,450	5	950			888	730	23	85		4,240	3,800	440	19,350	5
47	24,535			2	306	12,781	11,615	219	897		39,438	37,544	1,894	154,471	6
32	18,585	3	1,200	5	1,000	23,658	1,500	620	21,538		119,831	119,111	720	213,914	7
25	11,480			2	600	4,512	1,895	157	2,460		24,578	23,932	646	50,000	8
210	125,037	14	3,545	8	1,687	30,509	16,493	1,325	12,691		372,748	359,280	13,468	656,852	9
276	149,491			1	200	34,311	7,200	2,582	22,600	1,979	88,806	18,904	69,902	363,603	10
26	12,156			1	104	819	330	233	256		22,465	22,156	309	45,248	11
854	571,376			4	991	819,464	11,275	1,504	30,156	776,529	1,299,358	1,297,351	2,007	3,204,811	12
13	6,580	3	965			1,800	1,525	75	200		33,145	32,925	220	54,500	13
145	75,420			2	500	12,024	8,469	564	2,291	700	101,789	99,670	2,119	255,307	14
505	288,901					19,989		17,734	2,255		244,946	233,262	11,684	578,020	15
10	8,150			2	300	1,773	1,170	43	560		38,073	35,865	2,208	57,050	16

TABLE 8.—MANUFACTURES IN CITIES

KANSAS CITY—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
17	China decorating	3	$2,080			$355	$1,725	4			1	$600
18	Clothing, men's, custom work and repairing.	110	266,240		$75	14,960	251,205	113	16	$17,760	420	252,533
19	Clothing, men's, factory product	7	310,530			44,960	265,570	6	11	13,350	1,366	284,656
20	Clothing, women's, dressmaking	48	40,455	$1,750	3,500	10,980	24,225	52	9	13,331	323	110,776
21	Clothing, women's, factory product	4	27,100	3,500	1,000	4,600	18,000	4	8	8,400	102	33,340
22	Coffee and spice, roasting and grinding	3	127,684			23,100	104,584	1	22	26,683	41	14,459
23	Confectionery	17	1,250,035	70,000	178,000	641,700	860,335	20	91	95,937	765	209,235
24	Dyeing and cleaning	25	13,155			9,745	3,410	28	1	400	69	34,120
25	Electrical construction and repairs	6	59,975			5,775	54,200	9	17	8,606	61	33,843
26	Engraving and diesinking	3	8,350			3,750	4,600	2			22	12,460
27	Flouring and grist mill products	11	1,034,190	78,705	168,749	267,741	518,995	9	49	47,050	106	58,004
28	Food preparations	3	8,845			2,395	6,450	5	1	200	7	3,760
29	Foundry and machine shop products	33	477,407	20,000	48,800	170,842	237,765	25	41	48,649	428	249,549
30	Fur goods	4	41,000	2,000	2,000	1,750	35,250	3	6	2,700	48	17,262
31	Furniture, cabinetmaking, repairing, and upholstering.	44	57,435	5,950	9,000	11,320	31,165	40	5	5,300	114	71,835
32	Furniture, factory product	7	137,966	36,000	36,300	8,516	57,150	9	15	15,670	102	51,001
33	Hand stamps	4	7,800			4,500	3,300	3			18	9,794
34	Hats and caps, not including fur hats and wool hats.	3	11,800			3,100	8,700	6	2	1,000	19	8,490
35	Ice, manufactured	5	207,101	56,000	49,200	84,500	17,401	6	13	12,482	42	29,960
36	Jewelry	4	12,300			5,900	6,400	4	1	1,500	23	17,365
37	Lamps and reflectors	4	7,400			2,200	5,200	6	1	50	6	3,750
38	Liquors, malt	4	1,301,599	221,914	400,860	214,528	464,297	2	44	75,224	285	186,603
39	Lock and gun smithing	12	9,925			5,005	4,920	13			8	4,150
40	Looking-glass and picture frames	6	9,900			1,825	8,075	7			17	7,658
41	Lumber, planing mill products, including sash, doors, and blinds.	9	737,072	161,340	69,500	128,501	377,731	10	28	18,137	400	241,558
42	Marble and stone work	12	143,993	66,000	5,700	31,025	41,268	13	5	4,870	147	83,673
43	Masonry, brick and stone	90	315,292	13,370	7,880	51,721	242,321	111	8	11,980	1,060	597,158
44	Mattresses and spring beds	7	41,485			16,285	25,200	8	1	1,000	55	29,890
45	Millinery and lace goods	3	630			105	525	4			10	2,950
46	Millinery, custom work	30	261,391			4,316	257,075	25	109	72,720	233	78,674
47	Mineral and soda waters	8	130,750	15,000	45,000	51,700	19,050	12	10	7,772	24	12,561
48	Models and patterns	7	7,470	1,400	360	4,010	1,700	8			14	9,725
49	Monuments and tombstones	3	17,025		1,000	925	15,100	3	3	2,700	22	12,800
50	Musical instruments and materials, not specified.	3	8,315			640	7,675	2	1	920	23	13,840
51	Optical goods	6	25,800			9,650	16,150	6	6	6,800	39	23,770
52	Painting, house, sign, etc	72	54,088	3,875	4,285	13,213	32,715	91	1	1,200	300	188,405
53	Paints	6	230,823		3,500	23,755	203,568	3	25	41,260	58	29,646
54	Paper hanging	14	15,205			3,545	11,660	14	4	3,700	90	59,785
55	Patent medicines and compounds	19	38,145			5,300	32,845	16	9	5,920	48	16,655
56	Paving and paving materials	28	1,033,534	72,840	18,206	68,792	873,696	33	33	32,079	685	340,011
57	Photography	29	53,995	125	80	20,670	33,120	33	3	1,980	76	46,411
58	Plastering and stuccowork	22	24,045	4,800	2,850	4,860	11,535	33	1	1,408	123	79,414
59	Plumbing, and gas and steam fitting	46	258,635	6,200	14,100	21,985	216,350	63	33	26,625	383	265,661
60	Printing and publishing, book and job	63	720,010	2,200	5,000	399,716	313,094	62	166	114,805	804	419,784
61	Printing and publishing, newspapers and periodicals.	41	702,812	5,000	11,100	306,587	380,125	39	152	154,003	616	512,428
62	Roofing and roofing materials	10	95,105	2,500	2,500	23,176	66,929	7	20	16,696	92	48,563
63	Saddlery and harness	29	272,760	3,325	2,400	22,996	244,039	33	28	36,675	316	162,913
64	Sewing machine repairing	3	725			225	500	2			2	1,500
65	Shirts	6	47,365			6,155	41,210	5	3	5,100	134	44,889
66	Surgical appliances	3	1,250			525	725		4	7,200	4	2,124
67	Tinsmithing, coppersmithing, and sheet-iron working.	77	207,455	14,500	24,050	38,092	130,813	95	34	30,010	251	142,553
68	Tobacco, cigars and cigarettes	30	51,708	250	350	7,200	43,908	41	12	9,381	112	61,074
69	Trunks and valises	8	46,065			10,865	35,200	9	5	3,312	38	19,845
70	Typewriter repairing	5	3,750			1,075	2,675				13	7,588
71	Vinegar and cider	5	78,186	8,750	20,340	28,723	20,373	3	7	7,760	24	13,301
72	Watch, clock, and jewelry repairing	47	98,030	1,000	750	26,865	69,415	47	25	26,150	118	70,105
73	Window shades	3	237,820	80	200	3,440	234,100	2	10	11,060	51	19,316
74	Wirework, including wire rope and cable.	5	48,225			11,100	37,125	8	1	420	33	22,880
75	All other industries[1]	97	11,902,748	871,750	614,500	8,570,006	1,846,492	93	277	247,998	2,012	913,851

[1] Embraces ammunition, 2; artificial limbs, 2; awnings, tents, and sails, 2; babbitt metal and solder, 1; baking and yeast powders, 2; billiard tables and materials, 1; boot and shoe uppers, 1; boots and shoes, factory product, 1; boxes, cigar, 1; boxes, fancy and paper, 2; brass castings and brass finishing, 2; brassware, 1; bridges, 1; buttons, 1; carpets, rag, 1; cars and general shop construction and repairs by street railroad companies, 1; cheese and butter, urban dairy products, 1; cleansing and polishing preparations, 1; corsets, 1; electrical apparatus and supplies, 2; electroplating, 2; enameling and enameled goods, 1; engraving, steel, including plate printing, 2; engraving, wood, 1; envelopes, 1; files, 1; flags and banners, 1; flavoring extracts, 2; furs, dressed, 1; gas and lamp fixtures, 1; gas, illuminating and heating, 1; gas machines and meters, 1; glass, cutting, staining, and ornamenting, 2; hairwork, 1; hardware, 1; house furnishing goods, not elsewhere specified, 2; ink, writing, 1; iron and steel, 1; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, doors and shutters, 1;

BY SPECIFIED INDUSTRIES: 1900—Continued.

KANSAS CITY—Continued.

Average number of wage-earners and total wages—continued.						Miscellaneous expenses.					Cost of materials used.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.											
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.	Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
		1	$600			$557	$390	$7	$160		$3,670	$3,640	$30	$7,700	17
357	$231,924	58	19,496	5	$1,113	164,038	51,510	1,192	12,039	$99,297	385,457	384,042	1,415	1,006,509	18
98	32,412	1,266	252,100	2	144	21,939	9,350	2,239	10,210	140	737,055	728,645	8,410	1,123,739	19
10	8,566	307	101,422	6	788	16,594	12,611	155	3,828		150,404	149,978	426	331,143	20
1	400	101	32,940			3,920	1,410	500	2,010		65,275	64,880	395	130,455	21
18	11,466	2	420	21	2,573	20,601	4,680	571	15,350		143,090	141,140	1,950	242,500	22
350	132,057	412	76,553	3	625	209,521	6,050	2,799	200,672		1,300,479	1,289,362	11,117	1,955,886	23
54	29,325	14	4,520	1	275	8,600	7,074	68	1,133	325	10,285	8,822	1,463	82,415	24
61	33,843					7,195	3,500	165	3,530		180,279	179,818	461	261,503	25
17	11,280	5	1,180			2,059	1,764	10	285		10,335	10,125	210	34,800	26
102	56,415	3	1,200	1	389	45,912	3,645	2,804	39,463		1,772,836	1,746,525	26,311	2,070,111	27
5	2,920	1	480	1	360	665	581	23	61		5,484	5,269	215	14,779	28
426	248,889	1	260	1	400	40,756	13,285	1,412	25,909	150	518,804	509,428	9,376	1,042,448	29
10	6,080	38	11,182			5,034	3,360	174	1,500		59,375	59,075	300	108,588	30
109	70,335	4	1,400	1	100	11,778	9,103	421	2,254		67,098	65,806	1,292	210,805	31
85	47,801	5	2,420	12	1,280	12,770	4,455	2,344	5,971		128,755	125,079	3,676	245,699	32
16	9,500			2	294	1,993	1,570	53	370		7,740	7,430	310	26,950	33
11	6,450	8	2,040			1,730	1,140	40	550		10,495	10,305	190	30,435	34
42	29,960					7,217	1,320	1,053	4,844		57,733	14,745	42,988	138,428	35
18	16,390	3	650	2	325	3,060	1,215	75	1,520	250	25,032	24,835	197	55,600	36
5	3,450	1	300			957	470	12	175	300	7,180	7,170	10	19,380	37
262	131,178	23	5,425			622,089	4,240	9,088	608,761		250,017	217,547	32,470	1,309,027	38
4	3,320	3	630	1	200	2,716	2,134	32	550		7,235	7,035	200	26,080	39
17	7,658					2,507	2,147	25	335		17,860	17,710	150	40,743	40
399	241,484			1	74	11,579	962	3,167	7,450		532,142	530,584	1,558	876,644	41
146	83,558			1	115	7,116	2,740	208	2,368	1,800	96,788	95,364	1,424	232,466	42
1,057	596,281			3	377	45,753	4,046	492	17,395	23,820	853,081	846,258	6,823	1,816,756	43
44	26,000	9	3,380	2	510	4,882	3,710	242	930		81,723	81,073	650	144,015	44
		10	2,950			389	322	2	65		5,303	5,303		9,700	45
15	10,200	217	68,174	1	300	68,269	25,271	10,178	32,820		466,403	466,128	275	818,897	46
22	12,176			2	385	9,726	1,820	384	7,152	370	20,851	20,163	688	74,761	47
13	9,550			1	175	1,123	836	37	250		5,639	5,329	310	25,296	48
22	12,800					6,910	1,160	225	4,025	1,500	47,480	47,405	75	82,000	49
23	13,840					600	468	40	92		6,990	6,620	370	27,200	50
36	22,720	3	1,050			4,348	3,020	78	1,250		86,342	85,590	752	146,785	51
296	187,250	1	555	3	600	21,708	5,554	183	4,796	11,175	122,570	122,181	389	426,236	52
49	25,788	9	3,908			40,482	6,340	772	33,370		466,385	464,340	2,045	622,677	53
90	59,785					3,578	1,976	32	1,565		50,737	50,632	105	136,634	54
35	13,085	11	3,220	2	350	24,379	4,796	160	19,923		38,126	37,781	345	133,540	55
682	339,556			3	455	88,212	1,685	3,368	53,176	29,983	739,998	733,490	6,508	1,287,269	56
48	35,017	27	11,212	1	182	17,170	13,971	553	2,646		27,640	27,435	205	131,622	57
123	79,414					4,291	399	75	842	2,975	58,946	58,825	121	178,593	58
377	264,386			6	1,275	24,866	12,752	1,058	8,496	2,560	433,809	431,762	2,047	911,602	59
598	355,831	181	59,184	25	4,769	102,835	30,820	3,244	56,591	12,180	333,089	317,942	15,147	1,187,253	60
548	483,471	54	26,479	14	2,478	287,242	30,943	2,405	169,164	34,730	430,461	419,926	10,535	1,582,763	61
92	48,563					16,131	2,715	677	12,739		144,607	143,069	1,538	269,998	62
298	156,726	10	4,502	8	1,685	27,307	15,207	1,054	11,046		605,307	602,679	2,628	925,287	63
2	1,500					577	450	12	115		2,285	2,235	50	6,337	64
17	12,135	117	32,754			4,715	2,846	112	1,257	500	65,874	65,325	549	139,720	65
2	1,512	2	612			6,879	839	15	6,025		2,600	2,600		21,380	66
238	139,613	1	480	12	2,460	39,000	16,733	1,321	10,796	10,150	205,521	202,334	3,187	554,713	67
94	56,640	13	3,599	5	835	26,740	4,386	293	22,061		80,358	79,963	395	224,303	68
35	19,100	1	480	2	265	6,844	4,560	314	1,970		38,145	37,920	225	92,241	69
13	7,588					1,430	1,200	2	228		4,655	4,655		16,470	70
22	12,351	1	300	1	150	5,383	1,284	499	3,600		40,503	36,910	3,593	82,400	71
100	67,025	8	1,260	10	1,820	13,493	10,308	289	2,896		89,226	87,355	1,871	271,803	72
38	16,276	7	2,000	6	1,040	11,603	3,500	530	7,573		229,670	228,170	1,500	284,500	73
32	22,575			1	305	6,736	1,820	81	1,260	3,575	102,597	101,562	1,035	158,000	74
1,621	818,823	305	81,718	86	13,310	412,910	41,289	42,583	329,088		3,090,618	2,995,484	95,134	5,555,641	75

ironwork, architectural and ornamental, 1; kaolin and other earth grinding, 1; lime and cement, 1; liquors, vinous, 1; lithographing and engraving, 2; lumber and timber products, 1; mantels, slate, marble, and marbleized, 2; mirrors, 1; mucilage and paste, 2; oil, castor, 1; oil, linseed, 1; oleomargarine, 1; perfumery and cosmetics, 1; phonographs and graphophones, 1; photographic materials, 1; photolithographing and photoengraving, 2; pickles, preserves, and sauces, 2; plumbers' supplies, 2; pottery, terra cotta, and fire-clay products, 1; printing materials, 1; refrigerators, 1; sausage, 1; show cases, 2; soap and candles, 2; stamped ware, 1; starch, 1; stencils and brands, 1; stereotyping and electrotyping, 2; tobacco, chewing, smoking, and snuff, 1; tools, not elsewhere specified, 1; toys and games, 1; varnish, 2; washing machines and clothes wringers, 1; wood, turned and carved, 2.

TABLE 8.—MANUFACTURES IN CITIES

ST. JOSEPH.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
1	All industries	440	$11,068,825	$983,535	$1,907,849	$3,323,616	$4,853,825	462	562	$516,083	7,429	$3,109,647
2	Bicycle and tricycle repairing	3	1,420		150	250	1,020	3			4	2,480
3	Blacksmithing and wheelwrighting	32	16,220	2,800	6,050	2,205	5,165	44			29	16,418
4	Boots and shoes, custom work and repairing.	15	9,155	1,190	3,770	1,985	2,210	15			9	5,285
5	Boots and shoes, factory product	4	131,083			37,819	93,264	3	12	10,928	200	72,876
6	Bread and other bakery products	24	1,161,647	62,000	184,650	590,127	324,870	22	72	53,074	389	118,797
7	Brick and tile	10	159,485	19,900	47,866	28,108	63,611	10	4	4,000	236	94,175
8	Carpentering	25	34,555	3,820	2,995	4,180	23,560	27			174	125,489
9	Carriages and wagons	9	87,570	18,200	20,650	8,105	40,615	10	3	1,960	74	39,500
10	Cars and general shop construction and repairs by steam railroad companies.	4	260,837	54,000	96,000	57,000	53,837		15	15,000	552	304,869
11	Clothing, men's, custom work and repairing.	23	54,545	3,000	4,000	2,745	44,800	26	3	3,300	100	52,624
12	Clothing, men's, factory product	9	858,978	48,000	77,000	60,124	673,849	10	61	98,790	1,683	506,418
13	Clothing, women's, dressmaking	6	1,890			1,090	800	4	2	1,700	50	9,510
14	Coffee and spice, roasting and grinding	3	112,000	20,000	17,000	11,000	64,000	2	2	2,800	36	11,964
15	Confectionery	10	271,412	27,100	31,600	40,824	171,888	14	38	31,247	145	53,385
16	Cooperage	4	42,205	9,000	3,000	5,335	24,870	5	2	1,050	68	19,449
17	Dyeing and cleaning	4	8,350	2,000	2,000	2,275	2,075	4			13	4,720
18	Electrical construction and repairs	4	11,880			1,080	10,800	3	2	2,400	19	12,400
19	Flouring and grist mill products	5	576,000	67,000	125,000	178,000	206,000	2	25	29,994	59	35,013
20	Foundry and machine shop products	11	194,533	51,200	36,463	65,760	41,110	11	13	11,920	127	60,640
21	Furniture, cabinetmaking, repairing, and upholstering.	6	1,830	150	150	330	1,200	6			3	1,370
22	Looking-glass and picture frames	3	3,600			900	2,700	2			7	4,150
23	Marble and stone work	3	60,025	15,000	3,550	23,025	18,450	1	5	5,300	24	11,199
24	Masonry, brick and stone	16	30,220	1,550	1,350	10,490	16,830	23			158	79,375
25	Mattresses and spring beds	4	1,760			510	1,250	3	1	525	8	2,096
26	Millinery and lace goods	3	9,155			850	8,305		13	5,800	137	23,600
27	Millinery, custom work	11	39,660	6,000	4,000	765	28,895	19	16	3,392	44	7,695
28	Painting, house, sign, etc	17	15,235	1,200	700	2,320	11,015	18	2	1,360	70	34,507
29	Patent medicines and compounds	4	19,425			2,125	17,300	2	12	5,592	8	3,270
30	Paving and paving materials	3	33,420	700	2,050	13,700	21,970	4	1	1,500	89	30,419
31	Photography	9	11,065		550	7,660	2,855	9	1	600	16	7,214
32	Plastering and stuccowork	3	800	100	50	300	350	4			11	5,360
33	Plumbing, and gas and steam fitting	10	32,980			2,486	30,494	15	6	4,360	77	43,397
34	Printing and publishing, book and job	9	169,150	15,000	16,000	85,150	53,000	11	20	14,420	240	121,529
35	Printing and publishing, newspapers and periodicals.	17	243,289			76,852	166,437	13	25	24,094	131	68,007
36	Roofing and roofing materials	7	16,300	3,700	2,300	3,150	7,150	10			43	26,940
37	Saddlery and harness	7	52,785	4,000	3,500	5,595	39,690	7	7	4,480	176	84,714
38	Slaughtering and meat packing, wholesale.	3	2,908,197	83,009	696,137	472,715	1,656,336		81	62,316	1,371	613,778
39	Tinsmithing, coppersmithing, and sheet-iron working.	20	32,571	6,000	6,946	6,995	12,630	21	1	600	49	27,027
40	Tobacco, cigars and cigarettes	17	27,715	2,650	6,000	2,300	16,765	20	1	780	65	28,790
41	Watch, clock, and jewelry repairing	11	11,865	1,000	1,000	4,385	5,480	12	1	500	16	10,272
42	All other industries[1]	52	3,349,018	454,266	505,372	1,503,001	886,379	47	115	112,241	719	328,926

[1] Embraces agricultural implements, 1; awnings, tents, and sails, 1; bookbinding and blank book making, 2; bottling, 2; boxes, cigar, 1; boxes, wooden packing, 2; brooms and brushes, 1; carpets, rag, 1; carriage and wagon materials, 1; cheese and butter, urban dairy products, 1; china decorating, 1; electroplating, 1; engraving, steel, including plate printing, 1; engraving, wood, 2; flavoring extracts, 1; food preparations, 2; fruits and vegetables, canning and preserving, 2; fur goods, 1; furniture, factory product, 1; gas, illuminating and heating, 1; grease and tallow, 2; hand stamps, 2; hats and caps, not including fur

ST. LOUIS.

1	All industries	6,732	$162,179,331	$17,360,313	$23,899,872	$39,870,415	$81,048,731	6,657	9,778	$10,994,620	82,672	$38,191,076
2	Artificial limbs	4	4,700			1,150	3,550	3	3	1,200	5	3,276
3	Awnings, tents, and sails	12	192,231			24,742	167,489	10	41	31,528	175	57,301
4	Babbitt metal and solder	3	656,810	41,001	79,765	35,186	500,858	2	31	47,480	62	33,570
5	Baking and yeast powders	11	144,332	3,000	3,000	17,650	120,682	9	42	44,580	75	22,758
6	Baskets, and rattan and willow ware	8	442,688	40,000	87,000	27,246	288,392	8	15	17,100	269	103,892
7	Belting and hose, leather	4	112,000	15,000	25,000	10,500	61,500	1	14	14,900	25	13,072
8	Bicycle and tricycle repairing	32	36,061		1,800	8,681	25,580	39	2	1,560	41	20,412
9	Billiard tables and materials	4	5,325			875	4,450	3			11	6,710
10	Blacksmithing and wheelwrighting	306	351,986	84,360	82,090	61,268	124,268	339	11	9,800	465	260,077
11	Bookbinding and blank book making	16	217,267			82,015	135,252	15	22	24,276	325	131,645
12	Boot and shoe cut stock	3	29,810			1,864	27,946	1	6	8,800	43	12,124
13	Boots and shoes, custom work and repairing.	418	106,786	13,750	22,600	25,931	44,505	421	3	1,549	186	83,487
14	Boots and shoes, factory product	29	2,804,644	85,450	442,377	598,794	1,677,523	19	170	190,549	5,344	1,880,360
15	Bottling	7	525,077	14,000	43,000	80,597	387,480	5	7	12,570	1,207	311,286
16	Boxes, fancy and paper	9	285,420			105,975	179,445	4	36	42,264	565	113,904
17	Boxes, wooden packing	17	572,157	73,900	69,726	111,728	316,803	8	43	52,938	636	260,618
18	Brass castings and brass finishing	10	352,975	29,380	18,500	77,330	227,765	8	24	32,318	180	91,833
19	Bread and other bakery products	387	2,265,728	158,910	261,000	1,222,809	623,009	393	274	201,674	1,454	666,509
20	Brick and tile	11	4,315,257	830,775	549,908	410,251	2,524,323	4	48	70,345	857	303,901
21	Bridges	4	139,200			22,700	116,500	2	16	15,360	495	294,900

BY SPECIFIED INDUSTRIES: 1900—Continued.

ST. JOSEPH.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
4,994	$2,500,822	2,297	$587,140	138	$21,685	$1,160,912	$116,371	$43,879	$805,110	$195,552	$25,068,215	$24,842,997	$225,218	$31,690,786	1
4	2,480					398	301	18	79		3,805	3,800	5	10,000	2
27	16,108			2	310	4,746	4,143	197	406		16,856	15,396	1,460	77,013	3
9	5,285					1,307	1,033	104	170		6,161	5,950	211	22,828	4
147	58,538	52	14,201	1	137	13,447	4,354	235	8,858		268,991	266,704	2,287	362,378	5
203	85,632	186	33,165			133,005	6,375	2,383	124,247		855,609	846,540	9,069	1,327,470	6
226	92,907			10	1,268	18,484	2,600	585	11,102	4,197	54,991	2,181	52,810	211,437	7
174	125,489					142,858	2,078	134	1,513	139,133	263,343	263,058	285	533,044	8
74	39,500					8,047	3,390	864	3,393	400	57,769	56,210	1,559	142,993	9
549	304,480			3	389	9,291		3,084	6,207		310,301	302,287	8,014	639,521	10
93	50,282	7	2,342			10,220	6,899	372	2,949		66,792	65,660	1,132	165,235	11
144	76,093	1,523	427,485	16	2,840	68,597	8,383	4,734	55,480		1,058,099	1,050,379	7,720	1,782,395	12
		47	9,210	3	300	846	766		80		25,072	25,047	25	42,021	13
19	8,776	17	3,188			7,970	250	820	6,900		203,270	201,745	1,525	246,400	14
74	40,150	71	13,235			26,151	7,420	2,018	16,713		281,846	277,997	3,849	438,191	15
55	17,655	7	1,150	6	644	7,255	960	167	6,128		64,245	63,920	325	121,880	16
8	3,622	2	630	3	468	2,288	705	63	1,520		1,638	1,363	275	11,150	17
19	12,400					2,830	1,545	85	1,200		40,677	40,470	207	66,900	18
59	35,013					43,640	200	2,794	40,646		757,434	746,834	10,600	956,576	19
127	60,640					5,523	2,515	993	2,015		88,798	81,110	7,688	260,465	20
3	1,370					663	549	25	89		2,297	2,252	45	8,535	21
6	4,050			1	100	975	660	53	262		6,880	6,880		14,700	22
24	11,199					5,729	460	556	3,293	1,420	13,348	12,846	502	38,235	23
158	79,375					2,835	835	215	1,785		165,727	165,302	425	321,365	24
4	1,360	3	528	1	208	835	535	16	184	100	6,905	6,865	40	13,400	25
		184	23,200	3	400	3,515	1,900	100	1,515		80,200	80,200		150,273	26
		43	7,575	1	120	7,889	5,260	349	2,280		55,132	54,968	164	109,280	27
70	34,507					2,827	2,064	72	691		22,156	22,136	20	82,094	28
6	2,825	1	290	1	155	5,024	680	19	4,325		10,636	10,612	24	34,427	29
89	30,419					1,806	805	167	1,834		34,582	34,375	207	100,479	30
10	5,070	5	2,014	1	130	3,694	2,746	94	854		9,096	8,956	140	33,624	31
11	5,360					1,055	85	5	265	700	9,123	9,123		19,640	32
76	43,247			1	150	6,550	3,450	257	2,843		112,898	112,890	8	194,261	33
137	98,580	95	21,541	8	1,408	12,374	5,842	794	6,238		96,359	92,268	4,091	302,060	34
118	64,606	8	2,676	5	725	72,630	5,073	340	18,987	48,230	42,602	40,905	1,697	279,103	35
43	26,940					2,293	551	100	1,642		49,966	49,966		95,050	36
176	84,714					4,347	1,201	614	2,532		306,781	305,970	811	433,346	37
1,332	606,578	2	960	37	6,240	122,807	1,225	3,585	117,997		17,859,996	17,797,892	62,104	19,009,332	38
44	26,063			5	964	4,061	2,814	189	1,058		44,533	44,283	250	101,471	39
50	26,309	4	970	11	1,511	12,924	3,286	400	9,238		27,705	27,615	90	86,495	40
14	10,048			2	224	3,179	2,282	276	621		7,027	6,842	185	34,910	41
612	303,152	90	22,780	17	2,994	375,997	21,151	16,003	337,471	1,372	1,678,569	1,633,200	45,369	2,810,759	42

hats and wool hats, 1; ice, manufactured, 1; ironwork, architectural and ornamental, 1; liquors, malt, 2; lock and gun smithing, 1; lumber, planing mill products, including sash, doors, and blinds, 2; mineral and soda waters, 2; monuments and tombstones, 2; refrigerators, 1; sewing machine repairing, 2; shirts, 1; sporting goods, 1; starch, 1; trunks and valises, 1; wirework, including wire rope and cable, 1; wood, turned and carved, 1; woolen goods, 1.

ST. LOUIS.

64,111	$33,537,466	15,548	$4,113,863	3,013	$539,747	$33,271,804	$2,262,390	$745,815	$24,489,616	$5,773,983	$117,861,443	$115,458,275	$2,403,168	$233,629,783	1
5	3,276					2,195	1,476	24	695		2,992	2,972	20	16,580	2
64	27,010	108	29,927	3	364	24,325	12,940	600	8,785	2,000	312,804	311,019	1,785	618,565	3
62	33,570					72,016		3,831	65,185	3,000	2,519,867	2,510,177	9,690	2,765,434	4
27	12,704	48	10,054			22,419	5,252	613	16,554		345,966	344,132	1,834	565,708	5
183	88,332	41	7,300	45	8,260	10,891	1,572	1,200	8,119		126,226	123,080	3,146	361,290	6
24	12,922			1	150	20,641	1,380	778	16,533	1,950	165,075	163,690	1,385	224,500	7
33	19,356	1	360	7	696	11,934	6,701	143	3,040	2,050	49,991	49,532	459	123,935	8
11	6,710					2,443	1,200	68	1,175		10,239	10,154	85	38,000	9
447	257,074			18	3,003	59,950	45,855	2,995	10,725	375	265,977	252,870	13,107	906,069	10
142	81,803	175	48,585	8	1,257	22,583	11,690	452	8,681	1,760	112,110	109,510	2,600	349,729	11
28	8,856	15	3,268			4,533	2,720	122	1,691		115,988	115,398	540	177,050	12
181	82,520	1	360	4	607	49,428	39,449	955	6,807	2,717	125,445	123,467	1,978	455,716	13
2,927	1,229,938	1,998	581,190	419	69,232	159,410	39,406	9,555	110,449		5,851,880	5,803,110	48,770	8,286,156	14
881	239,300	4	570	322	71,416	117,681	26,110	4,444	87,127		2,958,156	2,953,056	5,100	3,751,130	15
131	51,412	363	54,052	71	8,440	22,710	13,270	667	8,773		130,587	127,623	2,964	413,198	16
520	242,560	13	2,702	108	15,356	50,407	16,474	3,649	30,284		713,646	708,141	5,505	1,246,548	17
175	90,793			5	1,040	45,247	5,490	1,489	37,268	1,000	915,360	901,510	13,850	1,131,854	18
1,025	559,146	337	86,307	92	21,056	227,370	105,025	12,187	109,378	780	2,413,586	2,347,521	66,065	4,817,756	19
781	293,658			76	10,243	66,416	4,544	15,760	45,992	120	137,368	13,797	123,571	642,961	20
495	294,900					6,017	672	500	4,245	600	196,595	192,755	3,840	588,000	21

TABLE 8.—MANUFACTURES IN CITIES

ST. LOUIS—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
22	Brooms and brushes	28	$100,205	$2,350	$6,350	$10,232	$81,273	29	14	$11,357	164	$67,089
23	Carpentering	565	1,526,849	106,725	122,325	193,468	1,103,831	628	83	91,544	3,759	1,647,120
24	Carpets, rag	6	2,775			1,075	1,700	6			15	5,593
25	Carriage and wagon materials	11	481,136	46,100	54,000	148,942	232,094	8	21	30,520	286	134,017
26	Carriages and wagons	110	2,466,202	276,009	253,742	150,427	1,786,024	100	161	183,973	1,756	924,916
27	Cars and general shop construction and repairs by steam railroad companies.	6	945,145	496,000	113,800	158,393	176,952		66	61,329	1,163	671,752
28	Cars, steam railroad, not including operations of railroad companies.	3	2,880,982	343,229	455,476	361,140	1,721,137		76	74,455	1,705	841,419
29	Cars, street railroad, not including operations of railroad companies.	4	2,740,655	357,064	301,731	281,180	1,800,680		48	87,597	1,175	626,481
30	Cheese and butter, urban dairy products.	34	11,185	3,150	2,950	1,735	3,350	32			8	1,617
31	Chemicals	8	1,969,875	181,224	294,389	427,586	1,066,676	1	78	111,606	340	162,351
32	Cleansing and polishing preparations	6	7,860		500	1,560	5,800	6	10	5,770	8	3,832
33	Clocks	3	205,275	400	1,500	10,425	192,950	1	6	6,400	35	21,692
34	Clothing, men's, custom work and repairing.	407	1,186,050	48,750	47,350	46,395	1,043,555	441	138	149,079	1,565	841,719
35	Clothing, men's, factory product	126	3,240,918	20,100	13,900	131,505	3,075,413	141	287	378,871	2,790	845,675
36	Clothing, men's, factory product, buttonholes.	5	3,810			2,370	1,440	5			12	4,458
37	Clothing, women's, dressmaking	142	130,170	4,475	7,000	15,855	102,840	147	11	14,268	682	216,935
38	Clothing, women's, factory product	42	990,456	3,000	3,000	94,951	889,505	52	182	182,651	1,957	529,125
39	Coffee and spice, roasting and grinding	20	2,271,298	310,866	40,622	234,757	1,685,053	14	259	270,184	419	149,447
40	Coffins, burial cases, and undertakers' goods.	5	428,784	18,100	47,400	41,600	321,634	2	62	64,454	350	149,827
41	Confectionery	48	1,248,547	140,000	135,360	272,607	700,580	40	321	241,387	1,081	380,854
42	Cooperage	44	1,146,562	117,900	157,655	154,735	716,272	38	48	71,660	941	361,631
43	Corsets	6	114,660	6,417	24,000	18,975	65,268	4	7	6,390	132	34,322
44	Cutlery and edge tools	3	1,875			875	1,000	3			3	2,400
45	Druggists' preparations, not including prescriptions.	13	871,084	49,675	61,600	21,140	738,669	7	94	133,045	193	67,454
46	Dyeing and cleaning	39	152,002	23,500	62,500	42,015	23,987	41	15	14,670	206	89,298
47	Electrical apparatus and supplies	11	974,000	35,000	65,000	168,023	705,977	5	57	65,050	522	181,821
48	Electrical construction and repairs	29	43,354			13,724	29,630	29	11	8,830	99	63,617
49	Electroplating	10	41,100			19,900	21,200	12	6	5,800	81	39,010
50	Enameling and enameled goods	3	40,171			22,419	17,752	1	8	6,300	35	10,486
51	Engraving and diesinking	18	46,250		2,000	31,800	12,450	16	19	21,240	88	44,619
52	Engraving, steel, including plate printing.	5	47,258			17,705	29,553	1	17	16,278	41	21,441
53	Engraving, wood	8	9,490			4,075	5,415	9			26	10,202
54	Envelopes	3	61,920			33,599	28,321	2	6	4,319	48	13,985
55	Fancy articles, not elsewhere specified	7	62,303		3,200	22,615	36,488	2	5	2,100	32	12,684
56	Fertilizers	3	219,201	20,767	46,957	37,607	113,870	1	15	12,907	60	27,986
57	Flavoring extracts	8	96,160			7,060	89,100	10	15	56,240	63	22,707
58	Flouring and grist mill products	16	1,386,107	155,350	292,800	328,275	609,682	3	95	120,480	244	129,719
59	Food preparations	22	670,093	402	125,518	100,032	444,141	20	94	116,571	331	132,645
60	Foundry and machine shop products	139	9,582,677	1,078,746	1,031,970	1,339,684	5,632,277	86	631	737,526	5,503	3,056,856
61	Fur goods	7	48,400			3,100	45,300	4	8	2,836	43	19,872
62	Furnishing goods, men's	3	166,691	600	400	8,100	157,591	9	32	28,720	147	44,754
63	Furniture, cabinetmaking, repairing, and upholstering.	104	506,982	54,175	110,840	38,378	303,589	101	31	43,042	513	251,338
64	Furniture, factory product	40	2,759,587	407,825	534,096	397,485	1,420,161	19	230	247,289	2,283	995,997
65	Gas and lamp fixtures	6	91,774			19,163	72,611	7	12	14,100	81	37,403
66	Glass, cutting, staining, and ornamenting.	15	407,265	33,750	20,000	15,305	338,210	11	22	28,690	305	86,356
67	Grease and tallow	4	444,500	60,000	94,000	145,800	144,700	2	12	18,380	58	33,440
68	Hairwork	6	18,380	6,000	3,000	2,880	6,500	7	2	1,000	16	3,184
69	Hand stamps	3	21,770			8,130	13,640	1	5	5,400	15	7,118
70	Hardware	4	361,919	27,000	49,000	80,200	205,719	1	17	36,300	495	156,050
71	Hats and caps, not including fur hats and wool hats.	12	51,889			12,471	39,418	15	5	1,848	158	54,822
72	House furnishing goods, not elsewhere specified.	4	11,625			5,075	6,550	1	6	5,130	20	6,845
73	Ice, manufactured	10	1,034,768	133,000	186,700	586,439	128,629	3	28	33,508	129	78,358
74	Instruments, professional and scientific	8	168,168			52,268	115,900	7	2	5,800	72	56,752
75	Iron and steel	5	1,665,809	322,607	270,686	411,173	661,393		44	73,633	1,478	832,760
76	Ironwork, architectural and ornamental.	18	1,686,358	198,300	189,118	294,572	1,004,368	8	90	118,269	786	424,467
77	Jewelry	8	134,012			34,000	100,012	7	5	6,176	143	98,926
78	Kaolin and other earth grinding	3	236,500	30,000	60,000	105,000	41,500	5	3	3,400	91	44,549
79	Lamps and reflectors	6	332,396	500	10,300	39,050	282,546	5	14	15,955	148	55,349
80	Leather goods	5	51,290	7,000	18,000	7,040	19,250	8	6	1,650	38	16,100
81	Leather, tanned, curried, and finished	3	914,923	97,135	117,536	73,343	626,909	2	20	35,360	182	97,538
82	Liquors, malt	28	23,349,299	3,807,638	7,485,979	2,938,050	9,117,572	5	302	708,825	2,670	1,660,252
83	Lithographing and engraving	8	459,621			232,033	227,588	5	49	67,049	312	161,733
84	Lock and gun smithing	64	24,297	1,450	1,900	10,775	10,172	70			35	19,147
85	Looking-glass and picture frames	31	198,969	12,400	16,723	13,253	156,593	33	32	33,877	211	103,192
86	Lumber and timber products	4	708,367	18,400	36,350	371,878	281,239	1	17	21,275	315	107,600

BY SPECIFIED INDUSTRIES: 1900—Continued.

ST. LOUIS—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
121	$59,884	22	$5,015	21	$2,190	$19,774	$4,576	$517	$14,681	----------	$161,890	$161,106	$784	$353,385	22
3,747	1,644,446	1	800	11	1,874	3,784,329	45,027	6,431	89,222	$3,643,649	3,681,822	3,669,198	12,624	11,057,162	23
12	5,148	----------	----------	3	445	1,211	1,048	25	138	----------	502	482	20	13,040	24
280	133,117	----------	----------	6	900	22,240	6,057	1,361	14,822	----------	306,741	302,223	4,518	655,773	25
1,703	908,794	41	13,534	12	2,588	189,245	68,181	10,261	100,881	9,922	2,111,872	2,085,579	25,793	4,033,799	26
1,160	671,083	3	669	----------	----------	16,822	10	10,517	6,295	----------	605,196	592,179	13,017	1,355,099	27
1,699	839,264	6	2,155	----------	----------	111,148	2,400	5,940	102,808	----------	3,295,443	3,235,494	59,949	4,974,662	28
1,170	625,276	2	725	3	480	129,709	5,120	51,111	73,478	----------	1,329,966	1,320,084	9,882	2,406,836	29
6	1,247	2	370	----------	----------	1,989	1,502	112	375	----------	19,925	19,835	90	34,931	30
277	150,557	37	7,152	26	4,642	135,806	7,200	16,775	111,831	----------	1,335,798	1,302,927	32,871	1,804,090	31
8	3,832	----------	----------	----------	----------	2,644	867	77	1,700	----------	8,030	7,925	105	28,548	32
35	21,692	----------	----------	----------	----------	2,533	2,172	281	80	----------	70,464	69,698	766	184,975	33
1,081	681,821	443	152,946	41	6,952	434,783	174,663	5,620	122,047	132,453	1,133,235	1,122,215	11,020	3,178,255	34
698	855,553	2,036	482,886	56	7,236	556,586	92,334	9,344	82,283	372,625	3,002,468	2,982,007	20,461	5,577,442	35
7	3,228	5	1,230	----------	----------	686	508	----------	178	----------	2,419	2,196	223	14,112	36
39	29,594	617	184,337	26	3,004	42,980	28,670	872	10,693	2,745	258,504	251,682	1,822	726,172	37
377	161,836	1,522	359,134	58	8,155	181,655	47,327	3,309	35,809	45,210	1,670,705	1,657,536	13,169	2,987,446	38
227	110,980	175	36,025	17	2,442	183,767	46,034	8,680	126,303	2,750	3,947,513	3,927,172	20,341	4,765,564	39
273	131,338	77	18,489	----------	----------	51,851	14,860	2,540	34,451	----------	491,523	487,809	3,714	775,301	40
520	264,853	516	109,191	45	6,810	195,003	72,742	7,696	113,765	800	1,810,623	1,788,255	22,368	2,997,685	41
851	344,073	----------	----------	90	17,558	61,144	9,480	5,185	46,479	----------	961,929	956,726	5,203	1,698,862	42
9	6,331	119	27,601	4	390	13,540	1,844	451	11,245	----------	64,862	63,850	1,012	126,136	43
3	2,400	----------	----------	----------	----------	2,368	540	22	806	1,000	1,300	1,060	240	12,550	44
78	40,288	114	27,016	1	150	319,071	8,242	1,904	308,925	----------	481,604	479,412	2,192	1,718,970	45
123	64,076	76	24,145	7	1,072	26,116	11,953	1,594	11,669	900	30,245	25,762	4,483	229,166	46
395	152,326	111	26,245	16	3,250	142,701	10,590	3,135	122,976	6,000	340,599	329,773	10,826	874,890	47
98	63,409	----------	----------	1	208	11,321	5,947	150	1,974	3,250	70,067	68,676	1,391	196,550	48
68	36,310	----------	----------	13	2,700	10,553	5,318	143	4,912	180	17,670	15,928	1,742	90,965	49
25	9,010	9	1,320	1	156	3,011	1,819	117	1,075	----------	9,917	7,327	2,590	38,315	50
75	42,547	----------	----------	13	2,072	12,340	5,917	304	5,419	1,200	22,746	19,588	3,158	134,622	51
38	20,609	3	832	----------	----------	8,400	3,956	81	2,863	1,500	30,596	29,561	1,035	90,514	52
20	9,618	----------	----------	6	584	1,975	1,276	34	305	360	2,759	2,681	78	28,873	53
18	9,360	29	4,390	1	235	2,593	1,230	123	1,240	----------	28,112	27,620	492	52,771	54
15	8,365	14	3,611	3	708	5,222	2,726	66	1,680	750	13,671	11,661	2,010	38,000	55
59	27,500	----------	----------	1	396	36,449	300	783	30,714	4,652	137,306	129,698	7,608	236,635	56
30	13,525	33	9,182	----------	----------	11,439	5,707	703	5,029	----------	110,361	109,132	1,229	209,618	57
211	115,969	31	13,250	2	500	113,235	4,350	8,257	100,628	----------	3,432,751	3,392,269	40,482	4,004,062	58
244	114,555	73	16,560	14	1,530	86,227	14,099	2,066	70,062	----------	797,586	789,537	8,049	1,290,260	59
5,426	3,037,370	4	1,000	73	18,486	834,848	89,949	36,902	655,580	52,417	5,134,497	4,974,810	159,687	11,628,140	60
14	10,105	27	9,286	2	481	9,514	4,400	107	4,682	325	73,822	73,517	305	141,695	61
18	11,362	124	32,554	5	838	23,024	6,964	290	15,770	----------	172,562	171,867	695	315,600	62
465	285,692	37	13,912	11	2,234	63,010	25,860	2,849	31,971	2,330	492,447	483,698	8,749	1,123,149	63
2,097	954,609	70	22,550	116	13,838	195,040	24,910	15,858	146,477	7,795	1,367,227	1,344,333	22,894	3,268,765	64
81	37,403	----------	----------	----------	----------	13,888	5,840	298	7,750	----------	39,684	37,488	2,196	180,500	65
283	79,886	13	3,900	9	2,570	22,749	12,405	2,319	7,950	75	505,557	497,635	7,922	842,625	66
58	33,440	----------	----------	----------	----------	16,515	540	1,975	14,000	----------	218,052	195,100	22,952	339,197	67
2	776	14	2,408	----------	----------	3,793	2,120	318	1,355	----------	5,104	4,933	171	20,075	68
12	6,500	----------	----------	3	618	2,567	1,040	200	1,177	150	12,290	12,025	265	46,345	69
495	156,050	----------	----------	----------	----------	17,495	615	2,610	14,270	----------	234,261	226,511	7,750	718,065	70
56	27,227	101	27,445	1	150	6,404	4,444	150	1,810	----------	87,648	86,158	1,490	205,140	71
7	3,520	12	2,600	1	225	2,070	1,090	125	855	----------	34,330	33,920	410	55,406	72
129	78,358	----------	----------	----------	----------	47,966	5,400	4,727	37,339	----------	112,419	29,638	82,781	305,718	73
72	56,752	----------	----------	----------	----------	7,669	5,185	255	1,979	250	23,080	21,155	1,925	138,474	74
1,469	830,934	----------	----------	9	1,826	81,455	15,650	9,480	56,325	----------	1,749,165	1,415,957	333,208	3,274,448	75
721	422,133	----------	----------	15	2,334	167,660	5,711	6,306	75,163	80,480	880,297	851,472	28,825	1,768,693	76
136	95,442	6	3,172	1	312	10,463	8,180	462	1,341	480	81,947	79,026	2,921	268,254	77
91	44,549	----------	----------	----------	----------	26,700	560	1,025	25,115	----------	151,355	132,532	18,823	272,549	78
132	52,499	----------	----------	16	2,850	11,354	2,783	656	7,915	----------	59,890	58,472	1,418	162,881	79
35	15,454	----------	----------	3	646	2,804	612	612	1,580	----------	57,079	56,669	410	90,055	80
181	97,382	----------	----------	1	156	27,700	800	2,163	24,737	----------	548,216	541,832	6,384	805,700	81
2,644	1,654,088	----------	----------	26	6,164	5,189,517	17,134	136,034	5,036,349	----------	2,633,437	2,388,203	245,234	11,673,599	82
241	144,720	70	16,863	1	150	52,414	9,892	1,038	35,513	5,971	178,400	175,132	3,268	571,004	83
32	18,763	1	150	2	234	10,071	7,647	275	2,149	----------	14,138	12,825	1,313	84,123	84
139	72,604	25	10,704	47	19,884	32,368	14,458	1,005	16,905	----------	193,614	191,626	1,988	447,345	85
271	101,100	44	6,500	----------	----------	27,892	2,200	3,242	21,950	----------	235,478	234,020	1,458	563,275	86

TABLE 8.—MANUFACTURES IN CITIES

ST. LOUIS—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
87	Lumber, planing mill products, including sash, doors, and blinds.	31	$2,026,508	$359,370	$253,995	$318,693	$1,094,450	9	150	$163,866	1,201	$574,116
88	Malt	9	473,946	55,600	137,980	38,750	241,616	4	18	23,984	53	40,599
89	Marble and stone work	40	454,520	77,075	15,570	64,735	297,140	52	26	34,220	353	209,670
90	Masonry, brick and stone	192	843,569	118,210	59,981	93,471	571,907	235	90	92,272	2,005	1,414,746
91	Mattresses and spring beds	13	168,070	9,300	20,000	22,398	116,372	13	14	17,410	165	69,764
92	Millinery and lace goods	7	88,855			22,527	61,328	5	14	9,084	271	55,555
93	Millinery, custom work	129	255,541	3,100	3,150	9,249	240,042	144	27	28,134	698	170,352
94	Mineral and soda waters	36	492,200	36,775	52,700	142,639	260,086	35	47	47,224	254	125,616
95	Mirrors	3	56,572	12,000		24,200	20,372	1	11	9,766	68	29,175
96	Models and patterns	12	32,340		200	15,412	16,728	12	4	3,660	65	41,812
97	Monuments and tombstones	22	395,361	106,000	31,700	11,180	246,481	23	16	18,975	119	63,629
98	Mucilage and paste	5	25,998			4,585	21,413	6	3	3,640	18	5,931
99	Musical instruments and materials, not specified.	5	3,700			2,100	1,600	6			1	520
100	Musical instruments, organs and materials.	4	43,380	4,300	20,100	1,330	17,650	6			28	13,916
101	Oil, not elsewhere specified	3	34,102			1,450	32,652	3	12	6,942	6	3,120
102	Optical goods	7	152,700			8,150	144,550	8	7	6,050	17	8,406
103	Painting, house, sign, etc	336	451,048	53,980	39,125	62,112	295,831	376	57	59,902	1,186	765,402
104	Paints	13	2,844,576	257,368	348,518	378,103	1,860,587	7	113	172,366	429	195,464
105	Paper hanging	109	270,613	15,075	22,250	15,821	217,467	116	51	39,760	425	234,828
106	Patent medicines and compounds	78	2,054,745	185,900	228,300	140,767	1,499,778	56	309	317,361	591	202,465
107	Paving and paving materials	67	1,055,896	354,551	29,317	215,307	456,721	64	86	103,918	1,427	735,784
108	Perfumery and cosmetics	6	78,407			7,150	71,257	5	21	26,195	84	29,137
109	Photographic materials	3	273,692	24,000	127,000	47,582	75,110	2	26	58,105	140	71,604
110	Photography	65	188,044	15,800	43,615	52,780	75,849	67	26	23,620	203	92,197
111	Photolithographing and photoengraving.	5	13,100			7,800	5,300	7	2	4,000	25	17,385
112	Pickles, preserves, and sauces	7	276,154	11,000	39,000	26,700	199,454	7	62	62,576	155	49,889
113	Plastering and stuccowork	115	134,289	22,600	29,000	13,752	68,937	139	2	482	279	164,704
114	Plated and britannia ware	3	68,800			44,000	24,800	1	6	5,250	35	16,298
115	Plumbers' supplies	6	275,500	27,200	22,800	72,000	153,500	1	55	47,180	321	165,910
116	Plumbing, and gas and steam fitting	243	704,084	116,450	43,150	59,768	484,716	285	75	70,788	898	583,473
117	Pottery, terra cotta, and fire-clay products.	13	2,393,731	808,201	537,137	236,451	811,942	4	101	134,761	1,254	493,755
118	Printing and publishing, book and job	173	3,560,128	116,500	136,250	1,525,326	1,782,052	165	524	481,141	2,329	1,129,757
119	Printing and publishing, newspapers and periodicals.	118	3,493,395	94,000	472,000	1,076,115	1,851,280	80	961	866,924	1,222	911,099
120	Roofing and roofing materials	47	404,730	68,425	7,200	45,927	283,178	45	42	44,909	371	175,685
121	Saddlery and harness	99	1,080,847	105,813	194,272	79,173	701,589	95	100	98,672	568	268,965
122	Saws	3	312,390		8,650	80,312	223,428		38	40,480	174	109,144
123	Scales and balances	3	3,350			1,650	1,700	3	1	1,200	8	4,116
124	Sewing machine repairing	9	2,175			615	1,560	12			4	1,668
125	Ship and boat building, wooden	4	23,592	1,000	2,500	6,525	13,567	7	3	3,070	58	41,696
126	Shirts	19	352,557			48,495	304,062	16	58	65,715	814	226,501
127	Show cases	3	133,979	16,269	26,000	8,648	83,062	2	10	7,574	78	38,970
128	Slaughtering and meat packing, wholesale.	21	2,512,805	271,447	469,871	310,487	1,461,000	20	93	133,273	792	425,881
129	Slaughtering, wholesale, not including meat packing.	4	95,444			31,220	64,224	3	10	9,300	49	22,406
130	Soap and candles	13	2,281,698	228,951	308,864	454,712	1,289,171	11	151	209,195	552	230,489
131	Stationery goods, not elsewhere specified.	4	18,000			7,019	10,981	4	5	5,030	20	8,428
132	Steam fittings and heating apparatus	4	338,474	15,900	10,000	152,768	159,806	3	30	30,517	199	93,083
133	Steam packing	3	17,310			310	17,000	2	5	4,140	18	10,970
134	Stencils and brands	3	7,125			6,300	825	3			5	2,077
135	Stereotyping and electrotyping	3	40,500			24,000	16,500	4	13	12,180	50	30,320
136	Sugar and molasses, refining	5	112,336	3,000	7,000	39,493	63,343	3	16	18,656	27	15,939
137	Surgical appliances	8	18,199	725	500	2,465	14,509	12	2	3,600	18	6,279
138	Tinsmithing, coppersmithing, and sheet-iron working.	214	1,357,783	98,000	160,893	293,978	804,912	235	127	100,889	1,039	481,684
139	Tobacco, chewing, smoking, and snuff	13	6,757,781	294,600	1,549,208	910,907	4,003,066	8	709	679,365	3,502	1,360,692
140	Tobacco, cigars and cigarettes	341	578,309	22,498	45,505	16,040	494,266	354	47	37,756	867	424,152
141	Tools, not elsewhere specified	5	61,500		500	34,800	26,200	2	8	6,340	48	31,580
142	Trunks and valises	10	328,274	1,500	2,000	15,538	309,236	10	42	63,142	316	139,757
143	Type founding	3	252,175			120,500	131,675		20	20,120	146	64,359
144	Typewriter repairing	8	21,430			830	20,600	4	8	5,000	20	12,990
145	Umbrellas and canes	7	49,705			2,460	47,245	7	4	2,191	17	5,573
146	Upholstering materials	4	71,800	14,500	8,000	9,500	39,800	1	5	3,157	36	15,179
147	Varnish	5	126,877	17,000	8,660	12,404	88,813	2	13	20,894	19	12,416
148	Vinegar and cider	7	88,150	500	1,000	20,899	65,751	10	21	19,096	44	21,240
149	Washing machines and clothes wringers.	4	148,982	34,000	30,600	31,720	52,662	3	7	5,760	110	37,655
150	Watch, clock, and jewelry repairing	142	106,718	2,000	3,200	33,525	67,988	152	14	8,174	115	58,149
151	Wirework, including wire rope and cable.	12	728,744	49,000	46,000	140,780	492,964	7	42	69,774	298	152,072

BY SPECIFIED INDUSTRIES: 1900—Continued.

ST. LOUIS—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.				
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.	Value of products, including custom work and repairing.	
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
1,161	$566,731			40	$7,385	$310,691	$19,404	$13,240	$84,897	$193,150	$1,102,321	$1,084,845	$17,476	$2,367,160	87
53	40,599					20,871	2,900	2,451	15,020		210,225	197,945	12,280	313,808	88
351	209,150			2	520	33,982	9,372	2,237	21,110	1,263	193,107	186,021	7,086	571,608	89
2,005	1,414,746					461,956	15,005	5,458	48,169	393,324	2,261,702	2,256,302	5,400	5,133,589	90
104	54,354	33	$9,877	28	5,533	28,183	7,302	1,087	19,794		243,514	240,607	2,907	412,547	91
20	11,597	245	43,358	6	600	6,956	5,329	292	1,335		195,010	193,968	1,042	295,625	92
6	3,950	558	162,889	29	3,513	74,786	53,892	1,768	19,126		503,856	502,285	1,571	1,035,652	93
216	118,254	11	2,400	27	4,962	77,550	17,052	1,731	58,767		219,759	216,384	3,375	613,337	94
62	28,285	2	350	4	540	11,015	5,349	150	5,516		73,084	71,975	1,059	145,500	95
62	41,212	1	300	2	300	5,680	3,436	154	1,090	1,000	17,757	16,283	1,474	82,431	96
119	63,629					20,763	4,639	1,592	13,792	740	174,697	172,747	1,950	364,913	97
14	4,948	4	988			4,436	1,850	112	2,474		24,841	23,708	1,133	55,618	98
1	520					808	720	31	57		1,500	1,453	47	6,667	99
28	13,916					3,555	186	362	3,007		12,457	12,355	102	36,490	100
6	3,120					2,521	1,120	278	1,123		24,130	23,915	215	45,310	101
15	7,906			2	500	14,018	5,860	85	7,573	500	35,361	34,403	958	88,825	102
1,162	760,916			24	4,486	102,809	36,965	2,621	51,918	11,305	519,897	518,076	1,821	1,916,576	103
406	191,129	15	3,016	8	1,319	128,901	13,119	15,035	100,747		2,765,774	2,737,360	28,414	3,695,678	104
414	232,666	1	250	10	1,912	73,283	50,849	1,831	20,603		214,499	213,989	510	726,091	105
311	140,122	246	58,794	34	3,549	779,449	26,640	4,413	741,546	6,850	764,711	746,723	17,988	2,599,010	106
1,424	734,944			3	840	90,051	10,477	5,182	40,482	33,960	809,605	792,351	17,254	2,112,573	107
22	12,395	60	16,412	2	330	61,334	3,990	277	57,067		154,185	154,016	169	355,243	108
122	66,850	18	4,754			20,175		1,955	18,220		333,852	328,802	5,050	534,496	109
129	68,911	64	21,618	10	1,668	45,632	27,551	1,819	13,547	2,715	115,589	114,007	1,582	402,817	110
21	16,735			4	650	4,864	2,136	61	2,087	580	5,021	4,914	107	45,597	111
76	39,756	75	9,463	4	670	50,631	5,140	1,366	44,125		381,884	327,412	4,472	544,234	112
275	164,062			4	642	28,588	8,980	1,126	16,667	1,815	79,128	78,876	252	418,173	113
27	13,310	4	1,500	4	1,488	3,333	1,750	188	1,395		16,969	15,978	991	58,287	114
316	164,470			5	1,440	17,457	10,100	1,534	5,823		217,791	212,385	5,406	519,516	115
869	578,343			29	5,130	105,522	48,464	3,229	36,637	17,192	984,581	975,259	9,322	2,331,701	116
1,242	491,418			12	2,337	156,619	4,826	11,985	136,455	3,353	288,899	165,488	123,411	1,257,572	117
1,653	952,199	546	156,075	130	21,483	648,828	94,605	9,967	212,775	331,481	2,016,560	1,974,821	41,739	4,420,147	118
1,012	853,865	178	52,911	32	4,323	932,794	92,863	14,149	484,876	340,906	1,315,239	1,281,761	33,478	5,396,308	119
370	175,485			1	200	42,234	10,919	804	30,511		426,242	423,367	2,875	839,827	120
513	256,038	41	9,983	14	2,944	51,524	27,531	5,977	16,617	1,399	688,542	676,690	6,852	1,495,436	121
174	109,144					20,115	6,100	1,987	13,078		147,777	142,777	5,000	432,873	122
8	4,116					1,258	804	28	426		3,516	3,310	206	17,225	123
4	1,668					1,245	874	47	324		3,613	3,544	69	10,675	124
58	41,699					6,000	2,860	73	3,067		23,187	22,367	820	77,326	125
48	28,375	738	194,369	28	3,757	31,207	19,771	1,062	8,874	1,500	379,040	372,623	6,417	848,737	126
76	38,664			2	306	12,405	170	370	11,865		69,011	68,404	607	160,309	127
787	424,581	3	1,000	2	300	158,280	6,660	8,981	142,139	500	10,519,065	10,467,497	51,568	12,267,532	128
47	22,156			2	250	13,622	4,300	559	8,763		601,260	597,935	3,325	675,844	129
422	201,969	129	28,246	1	280	232,352	2,080	9,418	220,854		2,449,210	2,420,843	28,367	3,437,785	130
14	7,380	2	460	4	588	4,396	1,418	58	2,655	265	7,998	7,558	440	32,214	131
199	93,083					27,988	4,680	349	17,836	5,123	185,404	157,422	27,982	439,487	132
18	10,970					3,098	1,320	81	1,697		29,204	29,189	15	53,000	133
3	1,762			2	315	1,147	612	18	217	300	1,631	1,621	10	7,525	134
42	28,900			8	1,420	6,475	3,420	290	2,765		16,099	13,839	2,260	85,500	135
25	15,471	2	468			19,415	920	797	17,698		217,647	215,181	2,466	348,627	136
9	3,767	9	2,512			3,847	1,712	78	1,857	200	9,088	9,016	72	36,357	137
989	473,074	9	1,834	41	6,776	112,186	43,695	5,974	60,302	2,215	1,029,292	1,014,697	14,595	2,180,434	138
1,773	814,950	1,649	524,838	80	20,854	12,259,601	6,624	43,890	12,209,087		8,007,656	7,954,637	53,019	24,111,307	139
729	394,240	64	17,926	74	11,986	208,319	37,968	4,813	165,538		639,148	637,340	1,808	1,656,363	140
48	31,580					3,052	2,280	96	676		29,512	28,037	1,475	90,985	141
296	134,007	20	5,750			63,059	30,230	1,512	30,817	500	232,430	229,282	3,148	605,235	142
92	50,296	45	12,742	9	1,321	25,578	5,140	816	19,622		77,968	75,120	2,848	230,434	143
18	12,702			2	288	3,022	2,220	15	787		5,596	5,596		45,300	144
3	1,950	8	2,492	6	1,131	5,655	3,474	80	2,101		30,995	30,798	197	58,785	145
32	14,659			4	520	3,435	1,148	501	1,786		25,494	24,440	1,054	56,140	146
19	12,416					7,574	1,910	653	5,011		99,435	98,339	1,096	173,068	147
37	20,124	7	1,116			12,541	4,300	342	6,699	1,200	96,119	95,434	685	250,542	148
110	37,655					13,550	1,340	1,570	10,640		122,895	121,180	1,715	207,214	149
99	54,629	2	820	14	2,700	41,620	19,399	560	5,755	15,906	59,362	57,924	1,438	270,727	150
276	148,420			22	3,652	40,520	4,711	2,513	33,296		625,369	617,204	8,165	1,014,330	151

TABLE 8.—MANUFACTURES IN CITIES

ST. LOUIS—Continued.

	MANUFACTURING AND MECHANICAL INDUSTRIES, AND CITIES.	Number of establishments.	CAPITAL. Total.	Land.	Buildings.	Machinery, tools, and implements.	Cash and sundries.	Proprietors and firm members.	SALARIED OFFICIALS, CLERKS, ETC. Number.	Salaries.	AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES. Total. Average number.	Wages.
152	Wood, turned and carved	13	$79,080	$11,500	$9,500	$27,645	$30,435	13	5	$6,720	88	$32,920
153	Woodenware, not elsewhere specified	3	4,350			3,350	1,000	3			3	972
154	Wool pulling	4	65,420	400	500	15,120	49,400	4	1	1,200	33	19,759
155	All other industries[1]	124	32,097,906	2,766,325	3,570,672	17,815,183	7,945,726	79	444	579,871	4,914	2,246,898

[1] Embraces agricultural implements, 2; ammunition, 1; axle grease, 2; bags, other than paper, 2; bags, paper, 2; bells, 2; blacking, 2; bluing, 2; boot and shoe findings, 2; boot and shoe uppers, 1; boots and shoes, rubber, 1; boxes, cigar, 2; brassware, 2; buttons, 2; calcium lights, 1; cars and general shop construction and repairs by street railroad companies, 2; cheese, butter, and condensed milk, factory product, 1; cloth, sponging and refinishing, 1; clothing, horse, 1; cordage and twine, 1; cork, cutting, 2; cotton, compressing, 2; cotton goods, 2; dentists' materials, 1; drug grinding, 1; files, 2; fire extinguishers, chemical, 1; fireworks, 1; fish, canning and preserving, 1; flags and banners, 2; foundry supplies, 1; fruits and vegetables, canning and preserving, 1; fur hats, 1; galvanizing, 1; gas and oil stoves, 1; gas, illuminating and heating, 2; glass, 2; gloves and mittens, 1; glue, 2; gold and silver, leaf and foil, 1; hand knit goods, 1; hardware, saddlery, 1; hosiery and knit goods, 2; ink, printing, 1; iron and steel, bolts, nuts, washers, and rivets, 1; iron and steel, forgings, 1; japanning, 2; jewelry and instrument cases, 1; jute and jute

SPRINGFIELD.

1	All industries	245	$2,111,048	$140,802	$475,637	$591,788	$902,821	273	121	$99,110	2,127	$1,017,345
2	Blacksmithing and wheelwrighting	19	7,117	1,260	990	1,960	2,907	23			16	6,840
3	Boots and shoes, custom work and repairing.	9	1,461	25	175	890	371	9			3	1,030
4	Bread and other bakery products	4	5,440	1,000	1,000	1,070	2,370	5	1	520	22	7,754
5	Brick and tile	6	25,025	5,000	5,670	3,155	6,200	9			28	9,028
6	Carpentering	18	15,457	1,662	1,970	3,185	8,640	24			73	34,206
7	Carriages and wagons	4	318,249	15,000	41,231	19,840	242,178	4	8	13,280	107	45,003
8	Clothing, men's, custom work and repairing.	13	29,815			1,560	28,255	12	1	3,600	77	32,895
9	Clothing, women's, dressmaking	11	1,720			830	890	10	3	3,000	44	9,296
10	Confectionery	4	26,675	3,450	12,000	3,775	7,450	5	8	4,400	11	2,554
11	Flouring and grist mill products	4	190,800	11,800	40,000	70,000	69,000	4	8	8,710	54	23,360
12	Lock and gun smithing	3	425			420	5	3				
13	Lumber, planing mill products, including sash, doors, and blinds.	3	93,300	7,300	12,000	25,000	49,000	1	10	6,800	54	17,089
14	Masonry, brick and stone	8	5,366	500	100	266	4,500	10			30	17,680
15	Millinery, custom work	12	17,800			630	17,170	14	5	1,700	22	5,460
16	Painting, house, sign, etc	15	10,250	55	145	2,155	7,895	21			41	18,375
17	Paving and paving materials	5	5,305			1,105	4,200	6			13	5,010
18	Photography	10	6,380	100	700	3,375	2,205	10			10	2,460
19	Plumbing, and gas and steam fitting	4	27,408	2,000	3,000	1,025	21,383	6	1	480	37	10,956
20	Printing and publishing, book and job	8	27,150	2,000	1,000	17,500	6,650	10			17	6,846
21	Printing and publishing, newspapers and periodicals.	11	49,875			36,500	12,875	14	11	8,000	62	34,410
22	Saddlery and harness	3	51,125			2,125	49,000	1	14	3,030	18	7,700
23	Tinsmithing, coppersmithing, and sheet-iron working.	11	45,775	1,500	12,500	8,950	22,825	13	4	3,100	40	17,074
24	Tobacco, cigars and cigarettes	9	13,476	225	150	596	12,505	13	1	50	23	10,148
25	Watch, clock, and jewelry repairing	10	6,185	800	200	2,275	2,910	10			6	3,369
26	All other industries[1]	41	1,129,969	87,125	342,806	378,601	321,437	36	46	42,440	1,319	688,802

[1] Embraces awnings, tents, and sails, 2; bicycle and tricycle repairing, 1; brooms and brushes, 2; carpets, rag, 1; cars and general shop construction and repairs by steam railroad companies, 2; cooperage, 1; dyeing and cleaning, 2; electrical construction and repairs, 1; flavoring extracts, 1; food preparations, 1; foundry and machine shop products, 2; furniture, cabinetmaking, repairing, and upholstering, 2; furniture, factory product, 2; gas, illuminating and heating, 1; hairwork, 1;

TABLE 9.—MANUFACTURES IN CITIES

1	Total for cities	1,680	$12,347,307	$957,995	$2,059,109	$3,491,165	$5,839,038	1,866	781	$695,346	8,619	$3,678,544
2	Boonville	97	299,128	18,900	75,550	82,795	121,883	119	9	6,064	203	89,426
3	Brookfield	64	101,293	11,150	24,515	32,130	33,498	74	4	2,160	193	89,698
4	Cape Girardeau	94	431,170	65,286	72,757	134,116	159,011	115	26	14,631	282	105,009
5	Carrollton	48	215,760	14,850	39,750	56,695	104,465	60	8	4,220	120	41,445
6	Carthage	94	859,385	110,929	97,533	325,356	325,567	107	48	40,698	523	217,237
7	Chillicothe	111	323,685	27,292	49,903	99,385	147,105	133	12	9,520	290	114,007
8	Clinton	62	333,364	31,440	61,150	141,527	99,247	72	16	12,667	172	69,099
9	Hannibal	172	1,890,718	126,332	261,208	461,343	1,041,835	170	145	117,305	1,420	611,859
10	Independence	64	505,645	58,200	79,950	127,655	239,840	63	29	35,737	220	100,982
11	Jefferson City	99	1,627,434	66,070	90,123	284,951	1,186,290	100	179	179,345	455	169,124
12	Louisiana	75	453,470	42,945	66,214	129,274	215,037	82	38	63,314	319	90,531
13	Maryville	69	180,075	26,700	37,550	43,515	72,310	84	9	3,890	155	66,789
14	Mexico	84	261,617	24,375	38,815	94,027	104,400	94	10	5,600	194	68,230
15	Moberly	84	551,453	57,900	160,850	182,315	150,388	91	45	41,863	766	353,641
16	Nevada	81	437,924	32,775	126,350	139,770	139,029	91	30	19,405	403	190,232
17	Rich Hill	48	224,609	9,665	44,870	143,355	26,719	60	4	1,797	115	42,659
18	St. Charles	75	1,940,719	74,600	357,050	440,962	1,068,107	80	59	59,445	1,275	601,987
19	Sedalia	131	1,293,053	125,633	286,757	431,475	449,188	131	79	57,105	1,098	463,787
20	Trenton	86	205,715	14,180	41,424	65,974	84,137	98	23	13,646	252	113,508
21	Webb City	42	211,090	18,773	46,790	74,545	70,982	42	8	6,934	164	79,294

SPECIFIED INDUSTRIES: 1900—Continued.

ST. LOUIS—Continued.

AVERAGE NUMBER OF WAGE-EARNERS AND TOTAL WAGES—continued.						MISCELLANEOUS EXPENSES.					COST OF MATERIALS USED.			Value of products, including custom work and repairing.	
Men, 16 years and over.		Women, 16 years and over.		Children, under 16 years.		Total.	Rent of works.	Taxes, not including internal revenue.	Rent of offices, interest, etc.	Contract work.	Total.	Principal materials, including mill supplies and freight.	Fuel and rent of power and heat.		
Average number.	Wages.	Average number.	Wages.	Average number.	Wages.										
88	$32,920					$7,906	$4,393	$288	$3,225		$216,074	$215,568	$506	$302,880	152
2	837	1	$135			758	559	5	194		3,599	3,384	215	7,500	153
33	19,759					4,063	1,530	233	2,300		2,956	1,046	1,910	45,800	154
3,697	1,954,564	989	257,638	228	$34,696	707,184	70,240	85,361	543,413	$8,170	9,998,540	9,797,726	200,814	16,016,287	155

goods, 1; kindling wood, 1; lapidary work, 1; lasts, 2; lead, smelting and refining, 1; lime and cement, 2; liquors, vinous, 2; mantels, slate, marble, and marbleized, 1; musical instruments, pianos and materials, 1; needles and pins, 2; nets and seines, 1; oil, cottonseed and cake, 1; paper goods, not elsewhere specified, 2; paper patterns, 2; pipes, tobacco, 2; printing and publishing, music, 2; printing materials, 1; pumps, not including steam pumps, 1; refrigerators, 1; regalia and society banners and emblems, 2; registers, car fare, 1; rubber and elastic goods, 1; sausage, 2; screws, machine, 1; sewing machines and attachments, 1; soda water apparatus, 2; sporting goods, 2; springs, steel, car and carriage, 1; stamped ware, 1; starch, 1; taxidermy, 2; tin and terne plate, 1; toys and games, 2; whips, 2; window shades, 2; wood, preserving, 1; wool scouring, 1; zinc, smelting and refining, 1.

SPRINGFIELD.

1,956	$981,721	145	$32,222	26	$3,402	$154,290	$27,832	$14,526	$68,827	$43,105	$2,274,705	$2,222,823	$51,882	$4,126,871	1
15	6,790			1	50	1,843	1,622	55	146	20	7,699	6,914	785	34,228	2
8	1,030					662	576	11	75		3,004	2,920	84	9,770	3
21	7,694			1	60	1,336	456	75	805		17,322	16,502	820	36,036	4
25	8,648			3	380	325		180	145		5,474	906	4,568	22,450	5
73	34,206					14,772	537	56	372	13,807	69,264	69,239	25	149,557	6
104	44,469			3	534	7,207	240	1,264	5,703		124,388	121,965	2,423	233,834	7
45	24,070	32	8,825			5,085	3,325	345	1,415		43,040	42,695	345	96,583	8
		44	9,296			1,187	1,054	25	108		9,242	9,062	180	27,950	9
7	1,900	4	654			1,463	645	213	605		12,340	11,825	515	28,845	10
54	23,360					9,184		1,493	7,691		848,830	839,910	8,920	985,398	11
						123	108	2	13		180	159	21	2,050	12
53	16,960			1	129	24,440	300	575	3,435	20,130	88,675	88,125	550	164,763	13
30	17,680					6		6			28,134	28,134		48,435	14
		22	5,460			5,217	3,874	239	1,104		28,200	27,980	220	60,825	15
41	18,375					1,986	1,460	61	215	250	15,349	15,237	112	54,045	16
13	5,010					1,115		5	110	1,000	14,281	14,281		24,000	17
5	1,580	5	880			1,951	1,516	28	407		3,900	3,706	194	16,700	18
35	10,520			2	436	4,266	984	144	3,138		23,703	23,652	51	61,164	19
14	6,196	3	650			5,030	1,120	125	785	3,000	10,063	9,816	247	41,600	20
52	32,060	6	1,825	4	525	7,019	2,166	172	2,606	2,075	17,454	15,818	1,636	88,365	21
18	7,700					3,255	1,570	60	1,625		34,660	34,580	80	66,100	22
40	17,074					2,549	1,489	314	746		31,015	30,680	335	67,665	23
17	9,513			6	635	5,620	372	35	5,213		15,539	15,404	135	39,249	24
5	3,200	1	169			2,389	1,515	67	807		4,252	4,081	171	15,050	25
1,286	683,686	28	4,463	5	653	46,260	2,903	8,976	31,558	2,823	823,697	794,232	29,465	1,752,209	26

ice, manufactured, 1; liquors, malt, 1; liquors, vinous, 2; mattresses and spring beds, 1; mineral and soda waters, 2; monuments and tombstones, 2; plastering and stuccowork, 1; printing and publishing, music, 1; roofing and roofing materials, 2; shirts, 1; soap and candles, 1; tobacco, chewing, smoking, and snuff, 2; trunks and valises, 1; wood, turned and carved, 1.

UNDER 20,000 IN POPULATION: 1900.

7,265	$3,423,365	1,135	$229,193	219	$25,986	$1,576,400	$169,001	$58,865	$862,398	$486,636	$12,054,024	$11,743,638	$310,386	$20,699,390	1
164	82,285	25	5,079	14	2,062	28,129	5,948	2,144	20,037		271,425	266,644	4,781	473,455	2
161	84,237	25	4,275	7	1,186	12,109	6,985	806	4,318		185,336	180,590	4,746	329,889	3
266	103,285	3	468	13	1,256	35,871	5,429	2,450	27,742	250	331,749	320,959	10,790	612,259	4
100	36,548	19	4,797	1	100	11,525	4,253	1,004	6,268		185,757	180,690	5,067	311,368	5
403	189,004	110	26,916	10	1,317	90,658	13,098	4,289	27,971	45,300	543,592	522,953	20,639	1,176,981	6
228	100,682	54	12,250	8	1,075	20,154	8,980	1,874	8,928	372	399,296	394,146	5,150	608,767	7
133	61,683	28	5,190	16	2,226	15,747	5,186	1,906	8,655		195,664	186,496	9,168	372,194	8
1,189	572,059	216	38,249	15	1,551	141,634	18,274	8,039	113,771	1,550	1,890,909	1,848,719	42,190	3,025,349	9
184	92,032	29	7,880	7	1,070	39,775	6,556	2,490	29,829	900	604,002	593,382	10,620	886,654	10
350	151,155	65	14,172	40	3,797	589,999	11,740	4,948	158,540	414,771	2,279,573	2,260,107	19,466	3,361,998	11
220	75,485	94	14,584	5	512	233,318	5,518	2,469	212,357	12,974	365,794	353,241	12,553	908,088	12
126	60,489	24	5,592	5	708	15,489	6,449	1,186	7,854		160,015	153,595	6,420	333,883	13
155	62,112	32	5,574	7	544	23,423	6,389	1,005	16,029		215,074	207,573	7,501	415,894	14
717	345,370	34	7,052	15	1,219	42,120	8,424	5,070	25,897	2,729	421,410	400,863	20,547	950,664	15
370	183,653	29	6,136	4	444	38,160	9,628	2,654	19,878	6,000	693,372	666,880	26,492	1,046,616	16
103	40,511	7	1,708	5	440	12,061	4,996	1,052	5,978	35	164,148	161,031	3,117	255,132	17
1,223	595,595	19	2,350	33	4,042	126,412	11,420	3,374	110,918	700	1,982,519	1,931,370	51,149	3,145,662	18
804	403,830	280	57,520	14	2,437	69,949	19,568	8,170	41,769	442	811,697	780,082	31,615	1,599,326	19
224	108,054	28	5,454			17,817	7,096	2,102	8,006	613	247,841	238,966	8,875	459,748	20
145	75,346	19	3,948			12,050	3,064	1,333	7,653		244,851	235,351	9,500	425,763	21

Twelfth Census of the United States.

CENSUS BULLETIN.

No. 153. WASHINGTON, D. C. March 20, 1902.

AGRICULTURE.

ARKANSAS.

Hon. WILLIAM R. MERRIAM,
Director of the Census.

SIR: I have the honor to transmit herewith, for publication in bulletin form, the statistics of agriculture in the state of Arkansas, taken in accordance with the provisions of section 7 of the act of March 3, 1899. This section requires that—

> The schedules relating to agriculture shall comprehend the following topics: Name of occupant of each farm, color of occupant, tenure, acreage, value of farm and improvements, acreage of different products, quantity and value of products, and number and value of live stock. All questions as to quantity and value of crops shall relate to the year ending December thirty-first next preceding the enumeration.

A "farm," as defined by the Twelfth Census, includes all the land under one management, used for raising crops and pasturing live stock, with the wood lots, swamps, meadows, etc., connected therewith. It includes also the house in which the farmer resides, and all other buildings used by him in connection with his farming operations.

The farms of Arkansas, June 1, 1900, numbered 178,694, and had a value of $135,182,170. Of this amount $30,075,520, or 22.2 per cent, represents the value of buildings, and $105,106,650, or 77.8 per cent, the value of the land and improvements other than buildings. On the same date the value of farm implements and machinery was $8,750,060, and of live stock, $37,483,771. These values, added to that of farms, give the "total value of farm property." For Arkansas this value in 1900 was $181,416,001.

The products derived from domestic animals, poultry, and bees, including animals sold or slaughtered on farms, are referred to in this bulletin as "animal products." The total value of all such products, together with the value of all crops, is termed "total value of farm products." This value for 1899 was $79,649,490, of which amount $20,377,278, or 25.6 per cent, represents the value of animal products, and $59,272,212, or 74.4 per cent, the value of crops, including forest products. The "total value of farm products" for 1899 exceeds that for 1889 by $26,521,335, or 49.9 per cent.

The value of "net farm products," or the "gross farm income," is obtained by deducting from the total value of farm products the value of the products fed to live stock on the farms of the producers. In 1899 the reported value of products fed was $13,572,870, leaving $66,076,620 as the gross farm income for that year. The percentage which this amount is of the "total value of farm property" is referred to in this bulletin as the "percentage of income upon investment." For Arkansas in 1899 it was 36.4 per cent.

As no reports of expenditures for taxes, interest, insurance, feed for stock, and similar items have been obtained by any census, no statement of net farm income can be given.

The statistics presented in this bulletin will be treated in greater detail in the final volume, "Statistics of Agriculture in the United States," which will be published about June 1, 1902. The present publication is designed to present a summarized advance statement for Arkansas.

Very respectfully,

L. G. Powers.
Chief Statistician for Agriculture.

CP 15M

AGRICULTURE IN ARKANSAS.

GENERAL STATISTICS.

The total land surface of Arkansas is 53,045 square miles, of which 25,995 square miles, or 49.0 per cent, are included in farms.

The land bordering the Mississippi, Arkansas, and Red rivers, which drain a large part of the state, is low and swampy in many places, and subject to annual overflow. Back from these streams the surface is more elevated, and, with the exception of the southern and eastern counties, some of which are partly prairie land, the whole state is diversified by forests and rolling uplands, passing in the west and northwest into the foothills of the Ozark Mountains.

Along the low river bottoms the soil is dark, rich, and friable, and yields excellent crops of cotton. Drainage is commonly required, and the available area could be largely increased by a system of dikes and ditches. The soil of the prairies is, in general, a dark, sandy loam, usually fertile, but in places better adapted to grazing than to cultivation. Much of the upland region is especially suited to the production of cereals and fruits.

Arkansas is primarily an agricultural state. There are no large cities, and the progress of general farming has not yet been checked by the transfer of farm capital to those special branches of husbandry which depend, for their successful pursuit, upon the demands of local urban population. The growth shown by the figures of this bulletin is the result of the development of great natural agricultural resources.

NUMBER AND SIZE OF FARMS.

The following table gives, by decades sinces 1850, the number of farms, the total and average acreage, and the per cent of farm land improved.

TABLE 1.—FARMS AND FARM ACREAGE: 1850 TO 1900.

YEAR.	Number of farms.	NUMBER OF ACRES IN FARMS.				Per cent of farm land improved.
		Total.	Improved.	Unimproved.	Average.	
1900	178,694	16,636,719	6,953,735	9,682,984	93.1	41.8
1890	124,760	14,891,356	5,475,043	9,416,313	119.4	36.8
1880	94,433	12,061,547	3,595,603	8,465,944	127.7	29.8
1870	49,424	7,597,296	1,859,821	5,737,475	153.7	24.5
1860	89,004	9,573,706	1,983,313	7,590,393	245.5	20.7
1850	17,758	2,598,214	781,530	1,816,684	146.3	30.1

The number of farms reported, June 1, 1900, was more than ten times as great as the number reported in 1850, and 43.2 per cent greater than in 1890. The total acreage of farm land, also, has increased rapidly, the gain for the last decade being 11.7 per cent. Since 1860 the number of farms has increased faster than the total acreage, involving a decrease in the average size of farms and indicating a progressive division of farm holdings. The steady increase in the acreage and per cent of improved farm land is in keeping with this movement.

FARM PROPERTY AND PRODUCTS.

Table 2 presents a summary of the principal statistics relating to farm property and products for each census year, beginning with 1850.

TABLE 2.—VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, AND OF FARM PRODUCTS: 1850 TO 1900.

YEAR.	Total value of farm property.	Land, improvements and buildings.	Implements and machinery.	Live stock.	Farm products.[1]
1900	$181,416,001	$135,182,170	$8,760,060	$37,483,771	$79,649,490
1890	155,019,702	118,574,422	5,672,400	30,772,880	53,128,155
1880	99,359,577	74,249,655	4,687,497	20,472,425	43,796,261
1870[2]	59,489,618	40,029,698	2,237,409	17,222,506	[3] 40,701,699
1860	117,922,076	91,649,773	4,175,326	22,096,977	----------
1850	23,514,510	15,265,245	1,601,296	6,647,969	----------

[1] For year preceding that designated.
[2] Values for 1870 were reported in depreciated currency. To reduce to specie basis of other figures they must be diminished one-fifth.
[3] Includes betterments and additions to live stock.

The remarkable growth of agriculture in the decade, 1850 to 1860, the disastrous effects of the Civil War, and the subsequent recovery of the state, which by 1890 had more than regained its former position, are interesting features shown in the above table.

The gain in the last decade in the total value of farm property was $26,396,299, or 17.0 per cent. Of this amount, $16,607,748, or 62.9 per cent, represents the increase in the value of land, improvements, and buildings; $3,077,660, or 11.7 per cent, in that of implements and machinery; and $6,710,891, or 25.4 per cent, in that of live stock. The value of the farm products of 1899 was 49.9 per cent greater than the value reported for 1889. A portion of this increase, and of that shown for implements and machinery, is doubtless the result of a more detailed enumeration in 1900 than in previous census years.

COUNTY STATISTICS.

Table 3 gives an exhibit of general agricultural statistics by counties.

TABLE 3.—NUMBER AND ACREAGE OF FARMS, AND VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, JUNE 1, 1900, WITH VALUE OF PRODUCTS OF 1899 NOT FED TO LIVE STOCK, AND EXPENDITURES IN 1899 FOR LABOR AND FERTILIZERS, BY COUNTIES.

COUNTIES.	NUMBER OF FARMS.		ACRES IN FARMS.		VALUES OF FARM PROPERTY.				Value of products not fed to live stock.	EXPENDITURES.	
	Total.	With buildings.	Total.	Improved.	Land and improvements (except buildings).	Buildings.	Implements and machinery.	Live stock.		Labor.	Fertilizers.
The State	178,694	171,963	16,686,719	6,953,735	$105,106,650	$30,075,520	$8,750,060	$37,483,771	$66,076,620	$3,171,090	$172,510
Arkansas	2,015	1,989	240,457	112,111	1,504,300	482,560	135,830	849,723	783,154	25,220	1,510
Ashley	3,002	2,913	235,858	91,930	1,590,820	460,830	119,300	608,881	1,207,022	40,590	4,350
Baxter	1,618	1,539	189,289	67,113	887,000	278,450	81,750	381,254	504,721	15,920	1,430
Benton	4,428	4,316	416,273	216,601	5,270,330	1,148,630	278,480	1,098,162	1,554,788	67,860	2,470
Boone	2,453	2,384	268,148	116,274	1,811,040	488,330	118,140	619,752	667,167	22,160	420
Bradley	1,281	1,253	167,021	48,387	470,970	197,410	60,690	269,707	390,133	11,740	2,470
Calhoun	1,162	1,145	151,023	45,775	330,530	157,850	51,990	244,660	369,864	12,060	3,460
Carroll	2,383	2,339	271,851	102,165	1,425,180	431,130	112,130	528,124	662,352	19,340	380
Chicot	1,946	1,896	155,644	66,177	2,158,990	615,940	120,670	375,990	1,142,322	135,200	1,860
Clark	2,670	2,558	274,765	97,411	1,055,940	361,110	118,580	578,875	892,110	3,760	1,690
Clay	1,985	1,956	157,209	80,850	1,158,750	344,420	104,790	454,950	580,415	31,220	600
Cleburne	1,600	1,539	183,881	56,245	561,490	231,420	62,190	294,804	403,989	10,100	430
Cleveland	1,459	1,384	205,425	58,509	504,480	229,940	73,140	351,421	483,929	13,280	450
Columbia	3,074	2,919	360,774	141,887	1,082,960	430,250	135,900	559,153	1,169,459	93,800	19,380
Conway	3,009	2,875	202,131	114,253	1,418,330	394,570	138,190	475,357	1,128,474	54,520	1,220
Craighead	2,118	2,067	175,767	92,533	1,595,340	417,020	143,120	566,361	747,877	16,710	1,550
Crawford	3,059	2,914	225,345	105,628	1,613,610	451,770	122,900	585,456	1,057,344	121,260	7,710
Crittenden	2,008	1,933	119,373	76,585	2,569,280	401,500	120,510	448,247	1,291,346	116,640	2,780
Cross	1,528	1,429	113,123	49,584	707,400	202,550	67,020	332,237	528,754	22,570	270
Dallas	1,367	1,317	187,093	55,612	488,630	250,830	54,900	294,538	432,038	13,960	950
Desha	1,918	1,856	122,301	61,388	1,195,200	301,590	88,620	443,511	1,068,571	114,920	1,240
Drew	3,053	2,902	323,909	141,661	1,495,560	429,310	132,470	613,877	1,215,257	55,080	2,410
Faulkner	3,453	3,331	282,438	137,658	1,295,070	480,760	149,670	585,317	1,077,096	43,620	1,800
Franklin	2,704	2,562	240,303	117,677	1,279,450	433,580	142,770	574,591	956,317	24,000	2,570
Fulton	2,144	2,094	284,247	86,213	1,014,330	337,820	99,680	447,432	577,166	36,570	1,760
Garland	1,322	1,298	154,962	40,923	703,490	244,960	65,470	249,627	386,307	22,410	1,450
Grant	1,306	1,257	143,129	45,430	355,140	166,010	55,300	285,939	432,285	8,400	710
Greene	2,490	2,380	193,757	93,229	1,441,170	440,670	134,820	570,793	837,480	19,640	1,910
Hempstead	3,483	3,299	280,069	146,988	1,507,730	442,960	150,200	689,365	1,331,882	51,130	2,000
Hot Spring	1,679	1,632	182,667	57,528	645,510	250,300	77,090	353,706	553,104	18,140	3,440
Howard	2,329	2,194	247,901	86,597	903,440	292,020	95,140	474,256	759,146	16,360	170
Independence	3,325	3,166	292,040	128,691	1,854,320	556,040	168,390	674,419	1,114,039	20,850	1,460
Izard	2,392	2,246	252,773	100,310	803,380	328,440	96,200	447,318	653,305	22,910	530
Jackson	2,244	2,190	187,959	93,117	1,785,150	479,610	124,660	578,685	1,276,591	133,420	3,250
Jefferson	4,770	4,589	310,352	162,208	4,318,720	811,330	283,420	839,678	2,441,106	154,690	9,690
Johnson	2,559	2,412	206,497	95,400	1,346,130	406,990	108,360	479,564	898,348	26,470	2,910
Lafayette	1,203	1,180	116,630	45,844	496,790	180,760	55,700	270,581	557,167	20,560	3,120
Lawrence	2,006	1,948	216,260	90,553	1,614,640	406,850	110,610	530,200	854,060	65,270	1,890
Lee	2,982	2,917	193,863	105,905	2,130,220	543,450	141,180	533,868	1,270,562	58,800	3,170
Lincoln	2,356	2,309	214,025	88,879	1,456,090	312,950	123,050	473,539	1,054,581	48,760	680
Little River	2,027	1,944	176,213	67,462	1,066,500	260,330	85,020	435,738	886,952	28,370	1,090
Logan	3,225	3,008	253,140	126,244	1,600,540	564,110	149,800	601,280	1,019,015	17,940	980
Lonoke	3,498	3,441	279,296	157,897	2,766,880	770,150	225,110	795,212	1,795,455	98,050	2,550
Madison	3,095	3,029	398,198	125,826	1,599,610	452,480	127,100	621,968	775,661	24,920	420
Marion	1,656	1,612	197,027	67,742	1,265,440	299,550	74,940	371,739	442,495	7,270	1,320
Miller	1,967	1,892	182,936	74,560	917,770	286,080	85,520	451,398	763,070	34,210	3,470
Mississippi	1,720	1,637	124,684	76,655	2,408,340	473,180	140,750	587,336	1,419,104	246,580	4,790
Monroe	2,261	2,172	131,901	77,602	1,500,720	304,240	80,220	408,166	918,861	26,600	1,780
Montgomery	1,708	1,617	211,091	53,422	613,880	202,260	66,230	312,707	440,393	12,380	700
Nevada	2,248	2,145	245,274	102,945	804,940	348,310	111,380	495,435	816,760	20,200	4,370
Newton	1,992	1,965	258,301	60,973	745,270	222,840	61,790	344,610	455,081	9,280	810
Ouachita	2,080	2,046	263,448	94,497	704,280	308,640	94,970	407,755	668,586	27,220	3,390
Perry	1,173	1,094	86,424	36,701	503,640	126,000	47,310	198,865	349,386	7,120	880
Phillips	3,827	3,611	300,717	120,191	2,550,090	706,900	171,950	731,986	1,667,212	51,690	1,780
Pike	1,549	1,489	192,286	59,394	492,230	196,080	66,270	322,366	500,287	16,970	710
Poinsett	833	767	91,365	27,615	598,490	159,550	41,900	275,219	290,997	12,980	250
Polk	2,072	1,999	152,693	58,976	878,520	270,540	78,930	359,060	498,657	10,710	1,000
Pope	3,552	3,388	256,596	119,079	1,467,260	469,470	143,990	587,883	1,120,820	25,760	1,380
Prairie	1,869	1,792	188,821	94,478	1,303,890	321,160	104,510	450,463	638,330	31,070	460
Pulaski	4,053	3,931	223,428	124,210	3,590,480	711,810	248,060	741,541	1,681,092	100,140	4,490
Randolph	2,562	2,495	252,293	115,910	1,358,290	429,360	124,510	616,160	912,586	58,460	1,090
St. Francis	2,716	2,600	164,108	85,250	1,538,240	455,720	121,530	528,200	1,106,027	66,550	3,820
Saline	2,022	1,963	192,480	70,953	917,520	285,620	97,210	417,340	630,400	19,270	3,390
Scott	2,020	1,885	203,264	70,359	857,020	284,700	98,030	384,984	489,881	4,600	1,030
Searcy	2,060	2,002	207,841	67,513	807,560	267,600	80,090	376,387	533,484	15,630	20
Sebastian	3,099	2,928	229,070	116,688	2,558,170	654,230	175,910	676,515	1,169,877	72,770	9,270
Sevier	1,811	1,707	190,715	68,704	923,090	259,550	85,200	395,453	669,479	22,130	1,710
Sharp	2,103	2,019	263,120	84,241	974,530	324,540	102,010	476,396	665,547	24,590	600
Stone	1,260	1,217	141,078	44,148	496,530	169,030	56,430	259,242	387,495	9,100	1,120
Union	2,719	2,660	379,701	123,296	760,237	337,043	108,650	507,016	998,073	46,020	4,630
Van Buren	1,939	1,877	240,779	79,911	611,727	256,693	84,070	332,982	475,812	11,500	740
Washington	4,619	4,529	489,711	237,606	4,888,080	1,429,330	347,000	1,151,845	1,916,713	101,930	4,620
White	3,681	3,593	326,863	139,316	1,499,556	654,864	173,200	694,193	1,132,451	21,160	1,840
Woodruff	2,505	2,396	134,084	88,186	1,874,660	455,360	109,410	502,397	1,183,464	31,720	260
Yell	3,260	3,186	252,241	113,356	1,746,270	539,790	163,040	629,016	1,345,489	51,340	710

In nearly all counties the number of farms increased rapidly in the last decade. In Chicot, Jefferson, Lincoln, and Woodruff counties more than twice as many farms were reported in 1900 as in 1890, and in Desha, Little River, Poinsett, St. Francis, and Searcy counties the increases were nearly as great. Slight decreases were reported in Logan and Cleveland counties.

Increases in the total farm acreage, and also in the acreage of improved land, were reported for all counties except Franklin, Grant, and Pike. In Grant county both the total and improved acreages were less in 1900 than ten years before. The average size of farms is, as a rule, smallest for counties of the cotton belt, but there are no very marked variations from the state average of 93.1 acres.

For the state the average value of farms is $756.50. In Benton, Chicot, Crittenden, Jackson, Jefferson, Lawrence, Lonoke, Mississippi, Pulaski, Sebastian, and Washington counties it is more than $1,000, while in a few counties it is less than $500. Most counties show substantial gains over the values reported in 1890.

The increase since 1890 in the value of implements and machinery has been relatively greater and more general than that for any other item of farm property. A marked gain is shown for each county, and in a number of instances the valuation has more than doubled.

Lee and Logan are the only counties in which the value of live stock reported in 1900 was less than in 1890.

The expenditure for labor in 1899 varied greatly in different sections of the state. In the counties of the cotton belt the average per farm was, as a rule, much higher than in the north central and western counties, where diversified farming prevails. In the latter counties very little cash is expended for labor; the farmers, as a rule, exchange work or pay in produce.

Although the total expenditure for fertilizers in 1899 was considerably greater than in 1889, the average per farm is still less than one dollar. The use of commercial fertilizers in Arkansas is confined principally to land devoted to the cultivation of cotton.

INCREASE IN THE NUMBER OF FARMERS IN ARKANSAS.

In this bulletin those individuals who, as owners, salaried managers, or tenants, operate farms with or without the assistance of hired laborers or members of their households, are designated "farmers." All others working on farms are spoken of as "farm laborers." The number of farmers at any given time corresponds closely to the number of farms.

From 1850 to 1900 the population increased from 209,897 to 1,311,564, or approximately sixfold, and the number of farms from 17,758 to 178,694, or more than tenfold. Consequently the number of farms, and hence the number of persons operating them, either as owners or tenants, increased faster than the population. This greater increase was recorded for every decade excepting from 1880 to 1890.

For the fifty years covered by the foregoing comparisons, data concerning the relative increase in the various classes of the farm population are available only for the period from 1870 to 1890. During those years the number of farms, and hence of farm owners and tenants, increased approximately 152.4 per cent, while the total state population increased but 130.8 per cent. The number of males engaged in agriculture increased from 100,669 to 225,947. This gain of 124.4 per cent represents, approximately, the rate of increase in the number of persons living on farms. In the same period the number of males working for wages on farms increased from 45,248 to 69,803, or but 54.3 per cent. In 1870 there was 1 farm owner, or tenant, for every 2.03 male workers on farms. In 1890, there was 1 for every 1.80. In the earlier year there was 1 wage laborer for every 2.22 male workers on all kinds of farms, and in the later year, 1 only for every 3.24. The number of farm owners increased, approximately, 10 per cent faster than the agricultural population, while that population increased, approximately, 46.0 per cent faster than the number of male wage laborers. In the earlier year there were 85 male wage laborers for every 100 farms, while in 1890 there were but 56.

These figures, taken in connection with the population tables, furnish evidence of great social and economic changes on farms, as well as a shifting of the population. The net result of these changes has been to elevate materially the average status of the persons toiling on farms in Arkansas. In the movements between farm and town, and between agriculture and other occupations, the farm has lost more of its old constituency than it has gained of the new. Consequently, the migration from other occupations can not have been the main factor in bringing about this elevation in the average status of the agriculturist. It must have been produced mainly, if not exclusively, by movements within the farming population—movements by which some persons have been elevated from the position of wage service to that of farm ownership, and a still larger number from wage service to farm tenancy. The most noteworthy instance of this advancement in the average status of the farming population of Arkansas is found among the colored people. Of their number, 11,941 own a part, if not the whole, of the land which they till, and 34,962 are tenants. Nearly all of these colored farmers are the descendants of slaves, or were themselves slaves prior to the general emancipation, and the great mass of them have been employed on farms all their lives.

The following statistics of farm tenure for 1880, 1890, and 1900, present an exhibit of the changes in the past thirty years in the relative number of farm owners and tenants in Arkansas. To gain a complete understanding of the great actual and relative changes which have taken place in the social and economic condition of the agriculturists of this state, these statistics must be studied in connection with the "occupation" tables of past censuses and those of the present census, when published.

FARM TENURE.

Table 4 gives a comparative exhibit of farms operated by owners, cash tenants, and share tenants for 1880, 1890,

and 1900. Table 4*a* presents, for the two decades covered by Table 4, the per cent of increase in rural population, in the total number of farms, and in the number of farms of specified tenures. In Table 5 the tenure of farms for 1900 is given by race of farmer, and the farms operated by owners are subdivided into groups designated as farms operated by "owners," "part owners," "owners and tenants," and "managers." These groups comprise, respectively: (1) Farms operated by individuals who own all the land they cultivate; (2) farms operated by individuals who own a part of the land and rent the remainder from others; (3) farms operated under the joint direction and by the united labor of two or more individuals, one owning the farm or a part of it, and the other or others owning no part, but receiving for supervision or labor a share of the products; and (4) farms operated by individuals who receive for their supervision and other services a fixed salary from the owners.

The farms operated by tenants are divided into groups designated as farms operated by "cash tenants" and farms operated by "share tenants." These groups comprise, respectively: (1) Farms operated by individuals who pay a cash rental or a stated amount of labor or farm produce, and (2) farms operated by individuals who pay as rental a share of the products.

TABLE 4.—NUMBER AND PER CENT OF FARMS OF SPECIFIED TENURES: 1880 TO 1900.

YEAR.	Number of farms.	NUMBER OF FARMS OPERATED BY—			PER CENT OF FARMS OPERATED BY—		
		Owners.[1]	Cash tenants.	Share tenants.	Owners.[1]	Cash tenants.	Share tenants.
1900	178,694	97,554	27,303	53,837	54.6	15.3	30.1
1890	124,760	84,706	16,479	23,575	67.9	13.2	18.9
1880	94,433	65,245	9,916	19,272	69.1	10.5	20.4

[1] Including "part owners," "owners and tenants," and "managers."

TABLE 4a.—PER CENT OF INCREASE IN RURAL POPULATION, IN THE TOTAL NUMBER OF FARMS, AND IN THE NUMBER OF FARMS OF SPECIFIED TENURES, FOR THE DECADES, 1880 TO 1890 AND 1890 TO 1900, AND FOR THE TWENTY-YEAR PERIOD, 1880 TO 1900.

PERIODS.	PER CENT OF INCREASE IN—					
	Rural population.	Total number of farms.	Number of farms operated by—			
			All owners.	All tenants.	Cash tenants.	Share tenants.
1890–1900	10.9	43.2	15.2	102.6	65.7	128.4
1880–1890	37.4	32.1	29.8	37.2	66.2	22.3
1880–1900	52.3	89.2	49.5	178.0	175.3	179.4

TABLE 5.—NUMBER AND PER CENT OF FARMS OF SPECIFIED TENURES, JUNE 1, 1900, CLASSIFIED BY RACE OF FARMER.

PART 1.—NUMBER OF FARMS OF SPECIFIED TENURES.

RACE.	Total number of farms.	Owners.	Part owners.	Owners and tenants.	Managers.	Cash tenants.	Share tenants.
The State	178,694	84,138	10,941	1,656	819	27,303	53,837
White	131,711	74,147	9,166	1,481	739	11,461	34,717
Colored[1]	46,983	9,991	1,775	175	80	15,842	19,120

PART 2.—PER CENT OF FARMS OF SPECIFIED TENURES.

The State	100.0	47.1	6.1	0.9	0.5	15.3	30.1
White	100.0	56.3	7.0	1.1	0.6	8.7	26.3
Colored[1]	100.0	21.2	3.8	0.4	0.2	33.7	40.7

[1] Including 1 Chinese and 4 Indians.

In the decade 1880 to 1890 great additions were made to the rural population, partly by immigration from other states and from foreign countries. Large increases occurred also in the number of farms and the area of farm land. The ratio of owners to tenants, however, changed but little. As both increased by percentages somewhat smaller than that of the rural population, it follows that the number of farm laborers and of the nonfarming class residing in rural communities increased more rapidly than the number of farm owners and tenants.

The percentages shown in Table 4*a* for the last decade indicate a marked upward movement among Arkansas farmers. The number of farms operated by owners increased 15.2 per cent, while the rural population increased only 10.9 per cent. Had the number of farms operated by owners increased no faster than the rural population, the number of such farms in 1900 would have been less than it was by 3,615. In ten years, therefore, this number of farm laborers or farm tenants must have made their way to farm ownership, or the ranks of farm owners have been recruited to that extent from other sources, to the benefit of the general farming population.

In addition to this gain in the number of owners, a still greater actual and relative gain was made in the number of farm tenants. From 1890 to 1900 the number of tenants increased 102.6 per cent, although the gain in rural population was but 10.9 per cent. The gain in the number of tenants, above the gain that would have been made had the rate of increase been the same as that for rural population, was 36,720. The figures indicate that approximately one-half of the number of farm tenants in 1900 were farm laborers ten years before. Assuming that the gain in the number of owners was drawn principally from

the tenant class, it is probable that since 1890 at least 40,000 of the present farmers have made a distinct improvement in their industrial condition.

Of the farms of the state, 73.7 per cent are operated by white farmers and 26.3 per cent by colored farmers. Of the white farmers, 64.4 per cent own all or a part of the farms they operate, 35.0 per cent are tenants, and 0.6 per cent are managers. Of the colored farmers, 25.4 per cent are owners, 74.4 per cent are tenants, and 0.2 per cent are managers.

The relative number of farms rented for cash or for a share of the products is determined largely by the race of farmers and the kind of crops grown. In the northwestern counties, where diversified farming prevails and practically all farmers are white, share tenants greatly outnumber cash tenants, but in the leading cotton-growing counties, where nearly all farmers are colored, the numbers of cash and share tenants are about equal. In the cotton counties, most white tenants rent for cash, while among colored farmers local customs prevail, and the distinguishing line between cash tenure and share tenure is hard to draw. The reported increase in the number of cash tenants is largely in the cotton-growing counties.

No previous census has reported the number of farms operated by "part owners," "owners and tenants," or "managers," but it is believed that the number conducted by the last-named class is constantly increasing.

PROGRESS OF COLORED FARMERS.

In 1850 the number of colored farmers was practically a negligible quantity. In 1900 there were 46,983 colored farmers in Arkansas. Practically all of these are the descendants of slaves, and some of them were probably at one time slaves themselves. Of this number, 9,991 have become owners of all the land in their farms; 1,775, owners of part of the land; 175, owners operating their farms in partnership with tenants; 80, farm managers; and 34,962, cash or share tenants.

The Eleventh Census, in its report on Farms and Homes, gives valuable statistics relating to the number of colored farmers owning or renting farms. They are not, however, strictly comparable with the statistics of farm tenure collected by the division of agriculture, but taken in connection with the statistics given in Table 6, they furnished the only means of obtaining light upon the changes that have taken place in the status of negro farmers since 1890; and after making due allowance for variations, the comparison indicates that in Arkansas in the last decade the number of colored owners increased nearly four times as fast as the rural population, and more than twice as fast as the total colored population. It indicates, also, that the number of colored tenants increased six or seven times as fast as the colored population.

The figures indicate that approximately 1,800 colored tenants and farm laborers advanced in the last ten years to the position of farm owners, and that approximately 15,000 farm laborers became farm tenants. These numbers represent the excess of gain in the two classes of negro farmers over the gains made at the rate of increase in negro population.

OWNERSHIP OF RENTED FARMS.

The ownership of 77,211 of the 81,140 rented farms was ascertained by the enumerators. That of 3,929 was unreported. Titles to the 77,211 farms are vested in 40,067 owners or landlords, an average of approximately 193 farms to every 100 owners. Of these 40,067 landlords, 28,602 own 1 farm each; 9,626, from 2 to 5 farms each; 1,205, from 6 to 11; 428, from 12 to 21; 182, from 22 to 50; 21, from 51 to 88; and 3 hold titles to 377 farms, possessing 105, 120, and 152, respectively.

Of the 40,067 owners of rented farms, 37,838 reside in Arkansas. They own 71,697 farms, of which 62,440 are located in the same county in which the owner resides. Of the nonresident owners, 1,146 live in the South Central states, 847 in the North Central states, 79 in the North Atlantic states, 75 in the Western states, 67 in the South Atlantic states, and 15 in foreign countries.

FARMS CLASSIFIED BY RACE OF FARMER AND BY TENURE.

Tables 6 and 7 present the principal statistics for farms classified by race of farmer and by tenure.

TABLE 6.—NUMBER AND ACREAGE OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY RACE OF FARMER AND BY TENURE, WITH PERCENTAGES.

RACE OF FARMER, AND TENURE.	Number of farms.	NUMBER OF ACRES IN FARMS.			VALUE OF FARM PROPERTY.	
		Average.	Total.	Per cent.	Total.	Per cent.
The State	178,694	93.1	16,636,719	100.0	$181,416,001	100.0
White farmers	131,711	108.8	14,333,097	86.2	147,220,489	81.2
Colored farmers[1]	46,983	49.0	2,303,622	13.8	34,195,512	18.8
Owners	84,138	126.3	10,630,376	63.9	100,062,079	55.2
Part owners	10,941	119.9	1,312,307	7.9	12,232,525	6.7
Owners and tenants	1,656	147.8	244,834	1.5	2,201,193	1.2
Managers	819	390.0	319,450	1.9	5,675,379	3.1
Cash tenants	27,303	54.9	1,498,609	9.0	26,640,715	14.7
Share tenants	53,837	48.9	2,631,143	15.8	34,604,110	19.1

[1] Including 1 Chinese and 4 Indians.

TABLE 7.—AVERAGE VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, AND AVERAGE GROSS INCOME PER FARM, WITH PER CENT OF GROSS INCOME ON TOTAL INVESTMENT IN FARM PROPERTY, CLASSIFIED BY RACE OF FARMER AND BY TENURE.

RACE OF FARMER, AND TENURE.	AVERAGE VALUES PER FARM OF—					Per cent. of gross income on total investment in farm property.
	Farm property, June 1, 1900.				Gross income (products of 1899 not fed to live stock).	
	Land and improvements (except buildings).	Buildings.	Implements and machinery.	Live stock.		
The State	$588	$168	$49	$210	$370	36.4
White farmers	626	196	57	239	380	34.0
Colored farmers[1]	482	90	27	129	341	46.9
Owners	638	220	63	268	393	33.1
Part owners	631	186	57	244	406	36.3
Owners and tenants	718	237	74	300	368	27.3
Managers	4,652	1,117	347	814	2,830	40.8
Cash tenants	640	124	38	174	408	41.8
Share tenants	409	90	25	119	269	41.9

[1] Including 1 Chinese and 4 Indians.

Many of the apparent anomalies here shown are the results of agricultural conditions peculiar to the cotton-growing districts of the South. In slavery days cotton was grown on large plantations cultivated by slave labor. Immediately after the emancipation of the slaves, this system gave way to one of hired labor, and this, in turn, was succeeded by a tenant system, under which the former laborers leased and cultivated land under contracts that placed both land and laborer under the supervision of the landlord or of an overseer appointed by him. Where this system prevails, the best and most highly improved land of the plantations is leased in small tracts, which appear in census reports as farms of negro-tenant farmers. This land is nearly all improved. The lands not thus leased, consisting of large unimproved tracts dotted over with small areas of improved land, constitute the farms of the plantation owners, as reported by the census. The leased land is the more valuable per acre, has a higher per cent of improved area, and produces crops having a greater value per acre, and representing in value a greater per cent of the capital invested in farm property.

The land in the cotton belt, including that leased, is much more valuable than the average land in other parts of the state, and also yields a greater gross income upon capital invested. Thus, in the cotton-growing counties of Chicot and Jefferson the average gross incomes of farms in 1899 were $587 and $512, while in Benton and Boone counties they were $351 and $272, respectively. The average gross incomes per acre in the two former counties were $7.34 and $7.87, and in the latter, $3.74 and $2.49, respectively. The percentages of gross income upon farm investments for the same counties were 34.9 and 39.0, and 19.9 and 22.0, respectively.

Most of the colored farmers of Arkansas are found in the counties of the cotton belt, in which agricultural conditions are as above described. Negroes constitute over eighty per cent of the farmers of Chicot and Jefferson counties, and less than one-tenth of 1 per cent in Benton and Boone counties. These facts must be borne in mind in drawing comparisons between the statistics given in Tables 6 and 7 for farms of white and colored farmers and for those of owners and tenants. The relatively high average gross income shown for farms operated by tenants and for those operated by negroes, must not be construed as evidence of superior farm management. It is the natural consequence, on the one hand, of conditions peculiar to the prevailing system of tenure, and, on the other hand, of the greater fertility and value of the land in those counties in which negroes predominate and the tenant system is most common.

FARMS CLASSIFIED BY AREA.

Tables 8 and 9 present the principal statistics for farms classified by area.

TABLE 8.—NUMBER AND ACREAGE OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY AREA, WITH PERCENTAGES.

AREA.	Number of farms.	NUMBER OF ACRES IN FARMS.			VALUE OF FARM PROPERTY.	
		Average.	Total.	Per cent.	Total.	Per cent.
The State	178,694	93.1	16,636,719	100.0	$181,416,001	100.0
Under 3 acres	529	2.8	1,502	(1)	394,453	0.2
3 to 9 acres	3,945	6.9	27,366	0.2	1,564,425	0.9
10 to 19 acres	20,191	15.0	302,722	1.8	8,192,791	4.5
20 to 49 acres	55,332	32.6	1,806,004	10.8	35,559,304	19.6
50 to 99 acres	38,595	74.3	2,867,527	17.2	35,519,509	19.6
100 to 174 acres	42,007	140.8	5,915,487	35.6	46,572,566	25.7
175 to 259 acres	10,569	208.8	2,207,178	13.3	19,266,072	10.6
260 to 499 acres	5,871	331.9	1,948,420	11.7	16,791,551	9.2
500 to 999 acres	1,239	655.2	811,737	4.9	8,498,021	4.7
1,000 acres and over	416	1,799.9	748,776	4.5	9,057,309	5.0

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

TABLE 9.—AVERAGE VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, AND AVERAGE GROSS INCOME PER FARM, WITH PER CENT OF GROSS INCOME ON TOTAL INVESTMENT IN FARM PROPERTY, CLASSIFIED BY AREA.

AREA.	AVERAGE VALUES PER FARM OF—					Per cent of gross income on total investment in farm property.
	Farm property, June 1, 1900.				Gross income (products of 1899, not fed to live stock).	
	Land and improvements (except buildings).	Buildings.	Implements and machinery.	Live stock.		
The State	$588	$168	$49	$210	$370	36.4
Under 3 acres	203	298	28	217	216	28.9
3 to 9 acres	169	120	19	89	129	32.5
10 to 19 acres	237	70	17	82	191	47.0
20 to 49 acres	376	100	29	138	296	46.0
50 to 99 acres	513	154	46	207	346	37.6
100 to 174 acres	616	188	56	249	359	32.4
175 to 259 acres	1,041	314	94	374	655	35.9
260 to 499 acres	1,704	476	135	545	761	26.6
500 to 999 acres	4,421	1,056	327	1,055	1,788	26.1
1,000 acres and over	15,806	3,005	1,032	1,929	7,716	35.4

The group of medium-sized farms, containing from 100 to 174 acres each, comprises over one-third of the total farm acreage and more than one-fourth of the total value of farm property.

For the two groups of farms containing less than ten acres each, the average values given in Table 9 are relatively high, as these groups contain most of the florists' establishments of the state, and a number of city dairies. It should be borne in mind that the income from these industries is determined not so much by the acreage of land used, as by the amount of capital invested in buildings and implements and by the amounts expended for labor and fertilizers.

The average gross incomes per acre for the various groups classified by area are as follows: Farms under 3 acres, $76.11; 3 to 9 acres, $18.60; 10 to 19 acres, $12.72;

20 to 49 acres, $9.06; 50 to 99 acres, $4.65; 100 to 174 acres, $2.55; 175 to 259 acres, $3.14; 260 to 499 acres, $2.29; 500 to 999 acres, $2.73; 1,000 acres and over, $4.29.

Nearly one-half of the farms of over 1,000 acres each are cotton plantations; hence the average gross income per acre for this group is higher than for any of the 4 groups immediately preceding it.

FARMS CLASSIFIED BY PRINCIPAL SOURCE OF INCOME.

Tables 10 and 11 present the leading features of the statistics relating to farms classified by principal source of income. If the value of the hay and grain raised on any farm exceeds that of any other crop and constitutes at least 40 per cent of the total value of products not fed to live stock, the farm is classified as a hay and grain farm. If vegetables are the leading crop, constituting 40 per cent of the value of products, it is a vegetable farm. The farms of the other groups are classified in accordance with the same general principle. "Miscellaneous" farms are those whose operators do not derive 40.0 per cent of their income from any one class of products. Farms with no income in 1899 are classified according to the agricultural operations upon other farms in the same locality.

TABLE 10.—NUMBER AND ACREAGE OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY PRINCIPAL SOURCE OF INCOME, WITH PERCENTAGES.

PRINCIPAL SOURCE OF INCOME.	Number of farms.	NUMBER OF ACRES IN FARMS.			VALUE OF FARM PROPERTY.	
		Average.	Total.	Per cent.	Total.	Per cent.
The State	178,694	93.1	16,636,719	100.0	$181,416,001	100.0
Hay and grain	15,376	94.5	1,452,724	8.8	18,235,743	10.1
Vegetables	2,508	67.3	168,804	1.0	2,779,060	1.5
Fruit	2,054	97.8	200,814	1.2	3,600,567	2.0
Live stock	30,734	114.4	3,515,778	21.2	34,852,905	19.2
Dairy produce	10,238	93.1	952,846	5.7	9,492,496	5.2
Tobacco	38	106.2	3,505	(1)	26,772	(1)
Cotton	70,912	70.2	4,978,984	29.9	66,784,225	36.8
Sugar	21	99.7	2,093	(1)	19,212	(1)
Flowers and plants	18	8.7	157	(1)	85,906	(1)
Nursery products	47	93.0	4,371	(1)	116,756	0.1
Miscellaneous	46,753	114.6	5,356,643	32.2	45,472,359	25.1

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

TABLE 11.—AVERAGE VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, AND AVERAGE GROSS INCOME PER FARM, WITH PER CENT OF GROSS INCOME ON TOTAL INVESTMENT IN FARM PROPERTY, CLASSIFIED BY PRINCIPAL SOURCE OF INCOME.

PRINCIPAL SOURCE OF INCOME.	AVERAGE VALUES PER FARM OF—					Per cent of gross income on total investment in farm property.
	Farm property, June 1, 1900.				Gross income (products of 1899 not fed to live stock).	
	Land and improvements (except buildings).	Buildings.	Implements and machinery.	Live stock.		
The State	$588	$168	$49	$210	$370	36.4
Hay and grain	756	187	58	185	306	25.8
Vegetables	707	209	47	145	340	30.7
Fruit	1,153	327	68	205	571	32.6
Live stock	582	206	58	288	328	29.0
Dairy produce	472	177	41	237	291	31.4
Tobacco	494	142	36	139	336	41.4
Cotton	593	134	42	172	421	44.7
Sugar	576	143	45	151	587	64.1
Flowers and plants	2,864	1,682	168	59	2,153	45.1
Nursery products	1,180	979	172	153	2,763	111.2
Miscellaneous	523	176	52	222	348	35.7

For the several classes of farms the average values per acre of products not fed to live stock are as follows: For farms deriving their principal income from flowers and plants, $246.91; nursery products, $29.71; cotton, $5.99; sugar, $5.88; fruit, $5.84; vegetables, $5.05; hay and grain, $3.24; tobacco, $3.16; dairy produce, $3.13; miscellaneous products, $3.03; and live stock, $2.87.

The wide variations shown in the averages and in the percentages of gross income are largely due to the fact that in computing gross income no deduction is made for expenditures. For florists' establishments, nurseries, and market gardens the average expenditure for such items as labor and fertilizers represents a far larger percentage of the gross income than in the case of "hay and grain," "live stock," or "miscellaneous" farms. Were it possible to present the average net income, the variations shown would be comparatively slight.

FARMS CLASSIFIED BY REPORTED VALUE OF PRODUCTS NOT FED TO LIVE STOCK.

Tables 12 and 13 present data relating to farms classified by the reported value of products not fed to live stock.

TABLE 12.—NUMBER AND ACREAGE OF FARMS, AND VALUE OF FARM PROPERTY, JUNE 1, 1900, CLASSIFIED BY REPORTED VALUE OF PRODUCTS NOT FED TO LIVE STOCK, WITH PERCENTAGES.

VALUE OF PRODUCTS NOT FED TO LIVE STOCK.	Number of farms.	NUMBER OF ACRES IN FARMS.			VALUE OF FARM PROPERTY.	
		Average.	Total.	Per cent.	Total.	Per cent.
The State	178,694	93.1	16,636,719	100.0	$181,416,001	100.0
$0	2,105	48.7	102,463	0.6	1,081,100	0.6
$1 to $49	7,410	58.1	430,261	2.6	3,040,700	1.7
$50 to $99	13,317	61.5	818,565	4.9	5,857,180	3.2
$100 to $249	59,329	71.8	4,262,042	25.6	35,093,470	19.3
$250 to $499	62,772	90.7	5,693,026	34.2	59,164,331	32.6
$500 to $999	27,344	127.4	3,483,842	20.9	45,117,730	24.9
$1,000 to $2,499	5,539	220.5	1,221,623	7.4	19,731,160	10.9
$2,500 and over	878	711.7	624,897	3.8	12,330,330	6.8

TABLE 13.—AVERAGE VALUES OF SPECIFIED CLASSES OF FARM PROPERTY, AND AVERAGE GROSS INCOME PER FARM, WITH PER CENT OF GROSS INCOME ON TOTAL INVESTMENT IN FARM PROPERTY, CLASSIFIED BY REPORTED VALUE OF PRODUCTS NOT FED TO LIVE STOCK.

VALUE OF PRODUCTS NOT FED TO LIVE STOCK.	AVERAGE VALUES PER FARM OF—					Per cent of gross income on total investment in farm property.
	Farm property, June 1, 1900.				Gross income (products of 1899 not fed to live stock).	
	Land and improvements (except buildings).	Buildings.	Implements and machinery.	Live stock.		
The State	$588	$168	$49	$210	$370	36.4
$0	350	77	16	71	----------	----------
$1 to $49	263	63	16	68	25	6.2
$50 to $99	261	74	18	87	72	16.2
$100 to $249	329	102	27	134	171	29.0
$250 to $499	526	160	46	211	370	39.2
$500 to $999	943	274	86	347	703	42.6
$1,000 to $2,499	2,202	554	172	634	1,360	38.2
$2,500 and over	9,618	2,096	665	1,665	5,475	39.0

The absence of income in the first group is due in part to the fact that the enumerators could not always secure complete reports for farms where changes in ownership or tenancy had occurred shortly prior to the date of enumeration. The persons in charge of such farms on June 1, 1900, could not always give definite information concerning the products of the preceding year. The same statement is true, also, of some of the farms with reported incomes of less than $100. To this extent the reports fall short of giving a complete exhibit of farm income in 1899. Other farms with small reported incomes are doubtless the suburban or summer homes of city merchants and professional men who derive their principal incomes from other than agricultural pursuits.

LIVE STOCK.

At the request of the various live-stock associations of the country, a new classification of domestic animals was adopted for the census of 1900. The age grouping for neat cattle was determined by their present and prospective relations to the dairy industry and the supply of meat products. Horses and mules are classified by age, and neat cattle and sheep, by age and sex. The new classification permits a very close comparison with the figures published in previous census reports.

Table 14 presents a summary of live-stock statistics.

TABLE 14.—NUMBER OF DOMESTIC ANIMALS, FOWLS, AND BEES ON FARMS, JUNE 1, 1900, WITH TOTAL AND AVERAGE VALUES, AND NUMBER OF DOMESTIC ANIMALS NOT ON FARMS.

LIVE STOCK.	Age in years.	ON FARMS.			NOT ON FARMS.
		Number.	Value.	Average value.	Number.
Calves	Under 1	254,473	$1,418,961	$5.58	12,868
Steers	1 and under 2	82,062	790,393	9.63	2,916
Steers	2 and under 3	36,893	494,955	13.42	1,709
Steers	3 and over	12,301	250,618	20.37	1,960
Bulls	1 and over	13,117	232,062	17.69	514
Heifers	1 and under 2	103,555	1,064,074	10.28	3,232
Cows kept for milk	2 and over	312,577	6,349,801	20.31	21,551
Cows and heifers not kept for milk.	2 and over	79,557	1,284,763	16.15	990
Colts	Under 1	16,815	289,075	17.19	535
Horses	1 and under 2	14,179	381,735	26.92	612
Horses	2 and over	222,596	9,493,685	42.65	24,363
Mule colts	Under 1	8,734	209,940	24.04	180
Mules	1 and under 2	10,908	433,326	39.73	214
Mules	2 and over	155,359	9,346,438	60.16	7,039
Asses and burros	All ages	2,479	222,185	89.63	254
Lambs	Under 1	88,168	123,508	1.40	862
Sheep (ewes)	1 and over	130,700	240,681	1.84	1,379
Sheep (rams and wethers).	1 and over	38,061	73,128	1.92	425
Swine	All ages	1,713,307	2,981,309	1.74	53,010
Goats	All ages	51,839	58,788	1.13	1,777
Fowls:[1]					
Chickens[2]		5,393,157	1,540,006	--------	--------
Turkeys		140,661			
Geese		378,475			
Ducks		180,583			
Bees (swarms of)		111,138	204,340	1.84	--------
Value of all live stock.		----------	37,483,771	--------	--------

[1] The number reported is of fowls over 3 months old. The value is of all, old and young.
[2] Including Guinea fowls.

The total value of all live stock on farms, June 1, 1900, was $37,483,771. Of this amount 27.1 per cent represents the value of horses; 27.2 per cent, that of mules, asses, and burros; 16.9 per cent, that of dairy cows; 14.8 per cent, that of other neat cattle; 8.0 per cent, that of swine; 4.1 per cent, that of poultry; and 1.9 per cent, that of all other live stock.

No reports were secured of the value of live stock not on farms, but it is probable that such animals have higher average values than those on farms. Allowing the same averages, the total value of the domestic animals not on farms is $2,280,170. Exclusive of the poultry and bees not on farms, the total value of live stock in the state is approximately $39,763,941.

CHANGES IN LIVE STOCK ON FARMS.

The following table shows the changes since 1850 in the number of the most important domestic animals.

TABLE 15.—NUMBER OF SPECIFIED DOMESTIC ANIMALS ON FARMS: 1850 TO 1900.

YEAR.	Dairy cows.	Other neat cattle.	Horses.	Mules and asses.	Sheep.[1]	Swine.
1900	312,577	581,958	253,590	177,480	168,761	1,713,307
1890	330,165	662,524	186,874	126,496	243,999	1,505,214
1880	249,407	458,836	146,333	87,082	246,757	1,565,098
1870	128,959	228,976	92,013	36,202	161,077	841,129
1860	171,003	396,796	140,198	57,358	202,753	1,171,630
1850	93,151	199,559	60,197	11,559	91,256	836,727

[1] Lambs not included.

A comparison between the numbers of domestic animals reported in 1890 and 1900 indicates an important change in the character of the live-stock industry. There has been a small decrease in the number of dairy cows, and a very marked decrease in the numbers of other neat cattle and of sheep. Horses, mules, and asses, on the other hand, show great increases, and swine have increased to some extent.

The decrease of 5.3 per cent in the number of dairy cows since 1890, is believed to be more apparent than real, as the production of milk more than doubled in the same period. It is probable that many of the 79,557 "cows and heifers not kept for milk" (see Table 14) were in reality milch cows, dry at the time of enumeration.

The decrease in the number of "other neat cattle" is probably even greater than indicated by the table. The number of "other neat cattle" given for 1900 includes 254,473 calves, and it is uncertain whether any calves were reported in 1890 under this designation. If not, there has been a decrease, for the decade, of 50.6 per cent in the number of "other neat cattle" over one year of age. The conclusion might be drawn that, owing to the rapid settlement of the state, the steadily enhancing value of farm lands, and the increasing acreage devoted to crops, the Arkansas farmer has partially abandoned stock raising as a source of revenue. It must be borne in mind, however, that the comparatively high market prices of beef and mutton which prevailed for a number of months prior to the date of enumeration, naturally led many farmers to reduce their herds and flocks to an unusual extent.

The rapid development of agriculture since the close of the Civil War is nowhere more clearly reflected than in the steady increase in the number of horses, mules, and asses. Nearly three times as many horses, and approximately five times as many mules and asses, were reported in 1900 as in 1870. In the last decade the number of horses increased 35.7 per cent, and the number of mules and asses, 40.3 per cent.

The sheep-raising industry has been on the decline since 1880, the decrease in the last ten years amounting to 30.8 per cent. Swine have fluctuated in number from decade to decade, the change since 1890 being an increase of 13.8 per cent.

ANIMAL PRODUCTS.

Table 16 is a summarized exhibit of the products of the animal industry.

TABLE 16.—QUANTITIES AND VALUES OF SPECIFIED ANIMAL PRODUCTS, AND VALUES OF POULTRY RAISED, ANIMALS SOLD, AND ANIMALS SLAUGHTERED ON FARMS IN 1899.

PRODUCTS.	Unit of measure.	Quantity.	Value.
Wool	Pounds	636,474	$118,922
Mohair and goat hair	Pounds	1,763	487
Milk	Gallons	[1] 109,861,393	6,912,459
Butter	Pounds	21,585,258	
Cheese	Pounds	18,385	
Eggs	Dozens	25,694,860	2,328,509
Poultry			2,179,634
Honey	Pounds	1,405,320	156,943
Wax	Pounds	59,340	
Animals sold			3,752,843
Animals slaughtered			4,927,481
Total value			20,377,278

[1] Includes all milk produced.

The value of animal products in 1899 was $20,377,278, or 30.8 per cent of the gross farm income. Of the above amount, 42.6 per cent represents the value of animals sold and animals slaughtered on farms; 33.9 per cent, that of dairy produce; 22.1 per cent, that of poultry and eggs; and 1.4 per cent, that of wool, mohair, honey, and wax.

DAIRY PRODUCE.

The production of milk in 1899 was 55,535,720 gallons greater than in 1889, an increase of over one hundred per cent. The quantity of butter made on farms, however, increased but 37.3 per cent, and that of cheese decreased 13.8 per cent, indicating that the making of butter and cheese is being gradually transferred from the farm to the creamery and cheese factory.

Of the $6,912,459 given in Table 16 as the value of all dairy products in 1899, $5,866,128, or 84.9 per cent, represents the value of such products consumed on farms, and $1,046,331, or 15.1 per cent, the amount realized from sales. Of the latter sum, $596,785 was derived from the sale of 3,797,646 pounds of butter; $443,756, from 4,238,852 gallons of milk; $4,941, from 6,008 gallons of cream; and $849, from 8,032 pounds of cheese.

POULTRY AND EGGS.

The total value of the poultry products of 1899 was $4,508,143, of which 51.7 per cent represents the value of eggs and 48.3 per cent that of poultry raised. Of the farmers of the state, 156,922, or 87.8 per cent, reported poultry in 1900. The average return per farm was $14.84 for eggs, and $13.89 for poultry. The number of eggs produced has practically doubled during each decade since 1879. In that year the production was 6,610,050 dozens; in 1889, 13,371,909; and in 1899, 25,694,860.

WOOL.

Although 30.8 per cent fewer sheep were reported in 1900 than in 1890, an increase of 24.2 per cent is shown in the quantity of wool produced. This is the result of a marked improvement in the grade of sheep kept, and a consequent increase in the average weight of fleeces. In 1880, the average weight was 2.3 pounds; in 1890, 2.4 pounds; and in 1900, 3.3 pounds.

HONEY AND WAX.

In 1900, 22,182 farmers reported, in the aggregate, 111,138 swarms of bees. They obtained, in 1899, 26.5 per cent more honey and 139.2 per cent more wax than was reported for 1889.

HORSES, MULES, AND DAIRY COWS ON SPECIFIED CLASSES OF FARMS.

Table 17 presents, for the leading groups of farms, the number of farms reporting horses, mules, and dairy cows, and the average number of these animals per farm. In computing the averages presented, only those farms which report the kind of stock under consideration are included.

TABLE 17.—HORSES, MULES, AND DAIRY COWS ON SPECIFIED CLASSES OF FARMS, JUNE 1, 1900.

CLASSES.	HORSES.		MULES.		DAIRY COWS.	
	Farms reporting.	Average per farm.	Farms reporting.	Average per farm.	Farms reporting.	Average per farm.
Total	121,750	2.08	88,824	1.97	126,235	2.48
White farmers	97,095	2.18	63,957	2.12	104,373	2.59
Colored farmers	24,655	1.69	24,867	1.57	21,862	1.94
Owners[1]	74,491	2.26	51,785	2.11	82,439	2.80
Managers	618	3.87	508	9.09	596	3.89
Cash tenants	16,926	1.87	15,028	1.84	14,842	2.00
Share tenants	29,715	1.72	21,503	1.55	28,358	1.75
Under 20 acres	11,771	1.49	7,367	1.29	9,696	1.77
20 to 99 acres	62,152	1.88	45,749	1.67	64,093	2.04
100 to 174 acres	32,480	2.22	22,938	1.99	35,798	2.67
175 to 259 acres	8,772	2.63	7,080	2.47	9,717	3.50
260 acres and over	6,575	3.68	5,690	4.61	6,931	5.03
Hay and grain	9,540	2.15	5,997	2.14	8,272	2.27
Vegetable	1,572	1.90	816	1.87	1,181	2.05
Fruit	1,547	2.12	766	1.97	1,463	2.07
Live stock	23,864	2.40	14,886	2.24	25,429	2.78
Dairy	7,543	2.09	4,115	1.85	10,238	3.08
Cotton	42,614	1.90	38,756	1.90	40,500	2.18
Miscellaneous[2]	35,070	2.08	23,488	1.90	39,152	2.50

[1] Including "part owners" and "owners and tenants."
[2] Including florists' establishments, nurseries, tobacco, and sugar farms.

In Arkansas, as in other states where cotton is a staple crop and much of the farm labor is performed by negroes, large numbers of mules are used as work animals. For most classes of farms the average numbers of mules and horses are about equal, but on farms operated by managers, and on farms of the largest area, more mules than horses are reported. This is due to the fact that these two classes include a relatively large number of cotton plantations.

If the numbers of horses and mules be combined, the average number of work animals per farm compares favorably with the corresponding figures for the intensively cultivated farms of New England.

CROPS.

The following table gives the statistics of the principal crops of 1899.

TABLE 18.—ACREAGES, QUANTITIES, AND VALUES OF PRINCIPAL FARM CROPS IN 1899.

CROPS.	Acres.	Unit of measure.	Quantity.	Value.
Corn	2,317,742	Bushels	44,144,098	$17,572,170
Wheat	379,453	Bushels	2,449,970	1,388,916
Oats	280,115	Bushels	3,909,000	1,263,101
Barley	304	Bushels	2,809	1,278
Rye	2,883	Bushels	19,125	11,428
Buckwheat	53	Bushels	421	334
Broom corn	879	Pounds	304,690	12,588
Rice	25	Pounds	8,630	235
Kafir corn	109	Bushels	1,722	808
Flaxseed	40	Bushels	408	414
Grass seed		Bushels	84	137
Clover seed		Bushels	416	1,902
Hay and forage	239,426	Tons	288,416	1,913,163
Cotton seed		Tons	[1]340,530	3,382,368
Cotton	1,641,855	Bales	709,880	24,671,445
Tobacco	1,887	Pounds	831,700	85,395
Hemp	1	Pounds	420	20
Hops	1	Pounds	530	55
Dry beans	1,490	Bushels	15,582	17,046
Dry pease	31,414	Bushels	245,894	255,709
Peanuts	5,283	Bushels	78,237	69,632
Castor beans	13	Bushels	85	80
Potatoes	26,486	Bushels	1,783,969	855,140
Sweet potatoes	13,271	Bushels	998,767	534,616
Onions	418	Bushels	58,250	48,882
Miscellaneous vegetables	44,937			2,196,705
Sugar cane	460	Tons	[2]16	52
Sugar cane kept for seed		Tons	1,840	6,440
Sugar		Pounds	50	2
Sirup		Gallons	44,819	18,791
Sorghum cane	17,684	Tons	[2]373	1,075
Sorghum sirup		Gallons	1,223,691	367,741
Small fruits	10,984			604,323
Grapes	[3]2,618	Centals	36,211	[4]104,808
Orchard fruits	[3]221,007	Bushels	3,359,865	[5]1,252,203
Tropical fruits				296
Nuts				8,898
Forest products				2,468,718
Flowers and plants	25			25,830
Seeds	18			2,447
Nursery products	868			131,045
Miscellaneous				981
Total	5,241,699			59,272,212

[1] Exclusive of 14,543 tons, valued at $144,720, sold in seed cotton.
[2] Sold as cane.
[3] Estimated from number of trees or vines.
[4] Including value of raisins, wine, etc.
[5] Including value of cider, vinegar, etc.

Of the total value of crops in 1899, cotton contributed 47.3 per cent; corn, 29.7 per cent; other cereals, including rice, 4.5 per cent; vegetables, including potatoes, sweet potatoes, and onions, 6.1 per cent; forest products, 4.2 per cent; fruits and nuts, 3.3 per cent; hay and forage, 3.2 per cent; and all other products, 1.7 per cent.

The acreage devoted to corn, 44.2 per cent of the total area in crops, yielded only 29.7 per cent of the total receipts. Cotton, comprising 31.3 per cent of the total acreage, yielded 47.3 per cent of the total receipts.

The average yield per acre of hay and forage was 1.2 tons, and the average values were $6.63 per ton and $7.99 per acre. The average values per acre of other crops were as follows: Flowers and plants, $1,033.20; nursery products, $150.97; onions, $116.94; tobacco, $45.25; sweet potatoes, $40.28; potatoes, $32.29; cotton, including seed, $17.09; peanuts, $13.31; dry beans and dry pease, $8.29; cereals, $6.79; and orchard fruits, $5.67. The crops yielding the greatest returns were grown upon very highly improved land. Their production required relatively large expenditures for labor and fertilizers.

COTTON.

The following table is an exhibit of the changes in cotton production since 1849.

TABLE 19.—ACREAGE AND PRODUCTION OF COTTON: 1849 TO 1899.

YEAR.	ACREAGE.		PRODUCTION.		
	Total.	Per cent of increase.	Commercial bales.	Pounds.	Per cent of increase.
1899	1,641,855	[1]3.5	709,880	352,963,804	7.0
1889	1,700,578	63.1	691,494	329,842,688	19.7
1879	1,042,976	----------	608,256	275,539,968	156.0
1869	----------	----------	247,968	107,618,112	[1]34.2
1859	----------	----------	367,393	163,489,885	525.5
1849	----------	----------	65,344	26,137,600	----------

[1] Decrease.

In 1899, 118,697 farmers, or approximately two-thirds of the total number, reported the production of cotton. Every county in the state was represented, but in the west-central and extreme northwestern counties the acreages reported were relatively very small. For the state the average acreage devoted to cotton was 31.0 acres per square mile of land surface, and 13.8 acres per farm reporting. The three leading cotton-growing counties, Jefferson, Phillips, and Lee, reported an average area in cotton of more than eighty acres per square mile, or nearly one-half of their improved farm land. In 1879, 29.0 per cent of the improved farm land of the state was devoted to cotton; in 1889, 31.1 per cent; and in 1899, 23.6 per cent.

Although, owing to the low range of prices which followed the record-breaking crop of 1898 the acreage planted in cotton in the spring of 1899 was below the normal, the total production exceeded that of the preceding season and showed an advance of 7.0 per cent over the crop of 1889. For the state, the average yield per square mile of land surface was 13.4 commercial bales, while for the three counties, Jefferson, Phillips, and Lee, the average was over forty bales.

The total value of the crop of 1899, including both lint and seed, was $28,053,813, the average values of the products being $236.35 per farm and $17.09 per acre.

CEREALS.

Table 20 is an exhibit of the changes in cereal production since 1849.

TABLE 20.—ACREAGE AND PRODUCTION OF CEREALS: 1849 TO 1899.

PART 1.—ACREAGE.

YEAR.[1]	Barley.	Buckwheat.	Corn.	Oats.	Rye.	Wheat.
1899	304	53	2,317,742	280,115	2,883	379,453
1889	106	388	1,648,443	288,332	2,470	140,464
1879	157	92	1,298,310	166,513	3,290	204,084

[1] No statistics of acreage were secured prior to 1879.

PART 2.—BUSHELS PRODUCED.

1899	2,809	421	44,144,098	3,909,000	19,125	2,449,970
1889	994	5,074	33,982,318	4,180,877	15,181	955,668
1879	1,952	548	24,156,417	2,219,822	22,887	1,269,715
1869	1,921	226	13,882,145	528,777	27,645	741,736
1859	3,158	509	17,823,588	475,268	78,092	957,601
1849	177	175	8,893,939	656,183	8,047	199,639

Each decade since 1850, except the Civil War decade, shows a marked increase in the total production of cereals. Corn is by far the most important, occupying 77.8 per cent of the total area in cereals in 1899, and being reported by 159,507 farmers, or 89.3 per cent of the total number in the state. The acreage increased 40.6 per cent in the last decade.

Barley and buckwheat are of little importance. The acreage under oats decreased 2.8 per cent in the last decade, but shows a large increase since 1879. The smallness of the acreage reported in 1899 is largely due to an unfavorable season. The production of rye decreased from 1859 to 1889, but in the last decade increased 26.0 per cent. The acreage and production of wheat have varied greatly from decade to decade, but in 1899 both were more than twice as great as in 1889. Seasonal conditions doubtless account in large part for these wide fluctuations.

The acreage given for cereals does not include 62,756 acres of grain cut green for hay, nor 16,788 acres devoted to corn, nonsaccharine sorghum, and similar crops grown for forage or ensilage.

SUGAR CANE AND SORGHUM CANE.

The compilation of statistics pertaining to West Indian or ribbon sugar cane, as distinguished from sorghum cane, is complicated, in states where both are grown, by the local custom of referring to both as "sugar cane." This naturally tended to confuse the enumerators, and made the task of separating the statistics of the two crops extremely difficult. This difficulty was increased by the fact that the severe frosts of 1899 so injured the crop of ribbon cane that the average yield was practically the same as that of sorghum cane, while under normal conditions it yields twice as many tons per acre and twice as much sirup per ton of cane. The greatest care, however, has been observed in compilation, and the figures presented are believed to be substantially correct.

From the 460 acres of sugar cane grown in 1899, 50 pounds of sugar and 44,819 gallons of sirup were produced. In addition, 1,840 tons of cane, valued at $6,440, were kept for seed. The only census year prior to 1900 in which statistics of sugar production in Arkansas were collected, was 1870, in which year 110,400 pounds of sugar and 72,008 gallons of sirup were reported. In making comparisons between the statistics for these two years, allowance must be made for the fact that fully sixty per cent of the crop of 1899 was destroyed by frost. A normal yield from the acreage reported in that year would have produced approximately 112,048 gallons of sirup, a gain of more than twenty-five per cent over the production of sugar and sirup in 1869.

In Arkansas, as in all other states where ribbon cane is grown, except Louisiana, the method of manufacture is that known as the "open-kettle" process, which produces a superior grade of sirup, but a low grade of sugar. Consequently, the tendency is to make a decreasing amount of sugar and greater quantities of sirup. This is shown by

the fact that in 1869, 110,400 pounds of sugar were made, while in 1899 the total production was but 50 pounds.

In 1899, 17,684 acres of land were devoted to the cultivation of sorghum cane grown for sirup, a decrease of 9,687 acres from the area grown in 1889. The production of sirup in 1899 was 1,223,691 gallons, or 645,261 gallons less than that reported ten years before. These figures take no account of the acreage of sorghum grown for forage.

ORCHARD FRUITS.

The changes in orchard fruits since 1890 are shown in the following table.

TABLE 21.—ORCHARD TREES AND FRUITS: 1890 AND 1900.

FRUITS.	NUMBER OF TREES.		BUSHELS OF FRUIT.	
	1900.	1890.	1899.	1889.
Apples	7,434,145	2,114,706	2,811,182	1,894,346
Apricots	3,958	2,708	391	1,509
Cherries	109,001	33,083	7,889	8,002
Peaches	4,099,528	2,769,052	333,642	3,001,125
Pears	202,109	26,265	24,508	12,955
Plums and prunes	1,082,749	375,780	174,734	136,574

Fruit is grown most extensively in the northwestern part of the state. The 9 counties of Benton, Boone, Carroll, Crawford, Franklin, Johnson, Madison, Newton, and Washington reported in 1900 nearly one-half of the total number of fruit trees, exclusive of plum trees, which latter can not properly be included, as it is known that the figures given include a large number of wild plum trees, which grow in thickets upon the river bottoms. With the exception of peaches, comparatively little fruit is grown in the counties of the cotton belt. In 1900 the 3 extreme northwestern counties, Benton, Madison, and Washington, reported 50.6 of all the apple trees in the state. In 1890 they reported but 39.2 per cent, showing that the rate of gain in these counties was much greater than in the rest of the state.

The number of apple, cherry, plum, and prune trees reported in 1900 was approximately three times as great as in 1890, while the number of pear trees increased still more rapidly. The increase in the number of apricot and peach trees amounted to 46.2 and 48.0 per cent, respectively.

In 1900, 57.2 per cent of all fruit trees were apple trees; 31.6 per cent were peach trees; 8.3 per cent were plum and prune trees; and 2.9 per cent were apricot, cherry, pear, and unclassified fruit trees. In addition to the number of trees given in Table 21, unclassified fruit trees to the number of 55,562 were reported, with a yield of 7,524 bushels of fruit.

The quantity of fruit produced in any given year is determined largely by the nature of the season. Comparisons between the crop of 1889 and that of 1899 have little significance, because in the latter year there was an almost complete failure of peaches and apricots, and very small yields of other fruits.

The value of orchard products, given in Table 18, includes the value of 3,191 barrels of cider, 2,139 barrels of vinegar, and 2,045,910 pounds of dried and evaporated fruits. Approximately four-fifths of these products were reported by the 6 northwestern counties, for which the production of dried and evaporated fruits on farms was as follows: Washington, 932,780 pounds; Benton, 312,990 pounds; Madison, 274,530 pounds; Boone, 97,310 pounds; Carroll, 69,830 pounds; and Newton, 54,840 pounds.

SMALL FRUITS.

Of the 10,984 acres devoted to small fruits, 8,338 acres, or 75.9 per cent, were reported by 4 counties, as follows: Benton, 2,141 acres; Crawford, 2,502 acres; Washington, 2,608 acres; and White, 1,087 acres. The first 3 are in the extreme northwestern part of the state. Counties of the cotton belt reported inconsiderable acreages in small fruits. Strawberries occupied 9,611 acres, or 87.5 per cent of the total area, and yielded 12,667,740 quarts. The acreage and production of other berries were as follows: Blackberries and dewberries, 779 acres and 969,290 quarts; currants, 10 acres and 6,990 quarts; gooseberries, 29 acres and 43,970 quarts; raspberries and Logan berries, 473 acres and 348,450 quarts; and other small fruits, 82 acres and 61,550 quarts. These small fruits were grown by 8,285 farmers, and the average value per farm reporting was $72.94. The tropical fruits reported in Table 18 consisted almost entirely of figs.

Grapes were grown in 1899 by 12,019 farmers, who obtained 36,211 centals of fruit from 1,178,136 vines. The value of the grapes, including the value of 1,730 pounds of raisins and 92,591 gallons of wine made on farms, was $104,803.

VEGETABLES.

The total value of all vegetables grown in the state in 1899 including potatoes, sweet potatoes, and onions, was $3,635,343, of which 23.5 per cent represents the value of potatoes; 14.7 per cent, that of sweet potatoes; 1.4 per cent, that of onions; and 60.4 per cent, that of miscellaneous vegetables. In the growing of miscellaneous vegetables, 44,937 acres were used. Of this area the products of 34,991 acres were not reported in detail. Of the remaining 9,946 acres, 5,162 were devoted to watermelons; 2,388 acres, to musk and other melons; 948 acres, to cabbages; 850 acres, to tomatoes; 220 acres, to sweet corn; 205 acres, to cucumbers; and 173 acres, to other vegetables.

FLORICULTURE.

Floriculture is a relatively unimportant industry in Arkansas, as there are no large cities to create a market for its products. In 1899 the operators of 32 farms raised flowers and foliage plants valued at $25,830, but of this number only 18 derived their principal income from this source. These 18 commercial florists had a gross income of $38,765, of which $23,265 was derived from flowers and plants and $15,500 from other products. The capital invested was $85,906—$51,545 in land, $30,280 in buildings and other improvements, $3,015 in implements, and $1,066 in live stock. The expenditure for fertilizers was $407, and for labor, $9,695.

A total of 122,940 square feet of land under glass was

reported by the operators of 132 farms. This includes, in addition to the 56,171 square feet reported by the 18 florists, 66,769 square feet reported by 114 farmers who made use of glass in growing vegetables.

NURSERIES.

The 47 nurseries in the state reported net products valued at $129,867, of which amount $119,667 was derived from the sale of nursery stock and $10,200 from the sale of other products. The total area of land used was 4,371 acres, making the gross income per acre $29.71. The total investment in land, buildings, live stock, and implements was $116,756.

LABOR AND FERTILIZERS.

The total expenditure for labor on farms in 1899, including the value of board furnished, was $3,171,090, an average of $18 per farm. The average was highest for the most intensively cultivated farms, having been $539 for florists' establishments, $531 for nurseries, $64 for fruit farms, $42 for tobacco farms, $28 for vegetable farms, $24 for cotton farms, $14 for hay and grain farms, $13 for live-stock farms, and $8 for dairy farms. "Managers" expended, on an average, $389; "cash tenants," $24; "owners and tenants," $23; "part owners," $22; "owners," $18; and "share tenants," $7. White farmers expended $20 per farm, and colored farmers, $12.

Fertilizers purchased in 1899 cost $172,510, an average of less than $1 per farm, but an increase since 1890 of 83.6 per cent. The average expenditure was greatest for nurseries, amounting to $23. For fruit and sugar farms the average was $4; for florists' establishments and vegetable farms, $3; for hay and grain, live-stock, and cotton farms, $1; and for dairy and tobacco farms, less than $0.50.