MANUFACTURING AND MINING INDUSTRIES AND PATENTS.

No. 112.—MANUFACTURES: CLASSIFIED ACCORDING TO CHARACTER OF OWNERSHIP OF THE ESTABLISHMENT, CALENDAR YEARS 1904 AND 1909.

[Source: Bureau of the Census, Department of Commerce and Labor.]

Character of ownership, and year.	Establishments.		Wage earners.		Products.		Added by manufacture.	
	Number.	Per cent of total.	Average number.	Per cent of total.	Value.	Per cent of total.	Value.	Per cent of total.
Individual:					*Dollars.*		*Dollars.*	
1904	113,946	52.7	755,923	13.8	1,702,830,624	11.5	824,292,887	13.1
1909	140,605	52.4	804,883	12.2	2,042,061,500	9.9	968,824,072	11.4
Firm:								
1904	47,934	22.2	841,242	15.4	2,132,536,604	14.4	930,143,823	14.8
1909	54,265	20.2	794,836	12.0	2,184,107,632	10.6	951,383,741	11.2
Corporation:								
1904	51,097	23.6	3,862,698	70.6	10,904,069,307	73.7	4,526,055,153	71.9
1909	69,501	25.9	5,002,393	75.6	16,341,116,634	79.0	6,583,207,117	77.2
Other:								
1904	3,203	1.5	8,520	.2	54,466,028	.4	13,202,890	.2
1909	4,120	1.5	12,934	.2	104,766,104	.5	26,846,062	.3
Total:								
1904	216,180	100.0	5,468,383	100.0	14,793,902,563	100.0	6,293,694,753	100.0
1909	268,491	100.0	6,615,046	100.0	20,672,051,870	100.0	8,530,260,992	100.0

No. 113.—MANUFACTURES: CLASSIFIED ACCORDING TO SIZE OF ESTABLISHMENT, AS MEASURED BY THE VALUE OF PRODUCTS, CALENDAR YEARS 1904 AND 1909.

[Source: Bureau of the Census, Department of Commerce and Labor.]

Value of product, and year.	Establishments.		Wage earners.		Products.		Added by manufacture.	
	Number.	Per cent of total.	Average number.	Per cent of total.	Value.	Per cent of total.	Value.	Per cent of total.
Less than $5,000:					*Dollars.*		*Dollars.*	
1904	71,147	32.9	106,353	1.9	176,128,212	1.2	114,781,124	1.8
1909	93,349	34.8	142,430	2.2	222,463,847	1.1	144,246,008	1.7
$5,000 and less than $20,000:								
1904	72,791	33.7	419,466	7.7	751,047,759	5.1	424,129,643	6.7
1909	86,989	32.4	470,075	7.1	904,724,296	4.4	509,954,621	6.0
$20,000 and less than $100,000:								
1904	48,096	22.2	1,027,047	18.8	2,129,257,883	14.4	1,090,271,887	17.3
1909	57,269	21.3	1,090,380	16.5	2,544,348,079	12.3	1,258,271,304	14.7
$100,000 and less than $1,000,000:								
1904	22,246	10.3	2,515,064	46.0	6,109,012,538	41.3	2,782,641,883	44.2
1909	27,823	10.4	2,896,475	43.8	7,946,817,284	38.4	3,572,653,165	41.9
$1,000,000 and over:								
1904	1,900	.9	1,400,453	25.6	5,628,456,171	38.0	1,881,870,216	29.9
1909	3,061	1.1	2,015,686	30.5	9,053,698,364	43.8	3,045,135,894	35.7
Total:								
1904	216,180	100.0	5,468,383	100.0	14,793,902,563	100.0	6,293,694,753	100.0
1909	268,491	100.0	6,615,046	100.0	20,672,051,870	100.0	8,530,260,992	100.0
Average per establishment:								
1904	.....	.....	25	.....	68,433	.....	29,113	.....
1909	.....	.....	25	.....	76,993	.....	31,771	.....

No. 114.—SUMMARY OF MANUFACTURES: BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1899, 1904, AND 1909.

[Source: Reports of the Bureau of the Census, Department of Commerce and Labor. The figures for some industries do not represent the total production, because important establishments that manufacture the same class of products may be included in other industries. Primary horsepower includes power generated in manufacturing establishments plus electric and other power rented from outside sources; it does not include electric power generated by primary units of the establishments reporting. In the statistics of power for 1899 there is a difference of 154,723 horscpower between the total and the sum of the figures for the various industries. This is due to the impossibility of making a correct revision of the figures for each industry for comparison with 1904 and 1909. A minus sign (—) denotes decrease.]

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	*Dolls.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*		
Agricultural implements	1909	640	465	9,213	50,551	60,229	100,601	256,281	10,140	28,609	60,307	146,329	86,022	6.7	30.6
	1904	648	496	7,199	47,394	55,089	89,738	196,741	7,573	25,003	48,281	112,007	63,726	1.7	10.7
	1899	715	.....	10,046	46,582	.....	70,646	157,708	8,363	22,451	43,945	101,207	57,262	.....	.....
Artificial flowers and feathers and plumes.	1909	412	520	1,047	10,016	11,583	334	9,693	1,160	3,974	13,627	23,981	10,354	130.6	357.0
	1904	213	289	281	4,343	4,913	184	2,568	232	1,397	2,014	5,247	3,233	—18.5	—16.6
	1899	224	.....	285	5,331	.....	113	3,633	291	1,561	2,763	6,293	3,530	.....	.....
Artificial stone[1]	1909	3,439	4,208	1,037	9,957	15,202	12,185	16,010	785	5,342	7,043	18,596	11,553	297.3	350.5
	1904	477	571	340	2,506	3,417	2,776	3,316	261	1,403	1,430	4,128	2,698	.....	.....
Artists' materials	1909	46	25	182	658	865	1,628	1,730	202	307	1,360	2,340	980	140.1	105.4
	1904	28	30	68	274	372	568	876	67	137	687	1,139	452	37.0	129.2
	1899	21	.....	32	200	.....	289	377	38	79	249	497	248	.....	.....
Automobiles, including bodies and parts.	1909	743	405	9,233	75,721	85,359	75,550	173,837	9,479	48,694	131,646	249,202	117,556	528.4	729.7
	1904	178	103	1,181	12,049	13,333	10,109	23,084	1,257	7,159	13,151	30,034	16,883	437.7	532.6
	1899	57	.....	268	2,241	.....	.....	5,769	295	1,321	1,804	4,748	2,944	.....	.....
Awnings, tents, and sails	1909	621	648	857	4,242	5,747	2,022	7,865	809	2,188	8,377	14,499	6,122	23.6	28.7
	1904	390	442	532	3,432	4,406	1,105	4,793	507	1,757	6,670	11,269	4,599	2.9	23.2
	1899	340	.....	416	3,335	.....	921	3,537	325	1,569	5,228	9,144	3,916	.....	.....
Axle grease	1909	38	13	145	176	334	492	935	155	88	828	1,481	653	47.9	68.5
	1904	25	22	55	119	196	210	608	55	62	368	879	511	— 6.3	22.4
	1899	29	.....	85	127	.....	181	577	33	55	360	718	358	.....	.....

Babbitt metal and solder	1909	109	66	528	897	1,491	2,293	7,418	739	561	16,270	19,768	3,498	57.6	50.9
	1904	75	70	243	569	882	1,138	4,129	265	338	10,864	13,100	2,236	6.4	42.5
	1899	51	.....	145	535	.....	999	3,116	172	295	7,998	9,191	1,193	.....	.....
Bags, other than paper	1909	109	72	798	7,968	8,838	6,855	24,625	1,068	2,942	46,364	54,882	8,518	39.3	46.7
	1904	79	54	532	5,722	6,308	4,522	12,387	602	1,829	30,758	37,399	6,641	45.9	90.3
	1899	73	.....	336	3,922	.....	1,755	7,418	379	1,102	16,439	19,652	3,213	.....	.....
Bags, paper	1909	74	42	429	3,212	3,683	3,885	10,780	714	1,306	10,355	15,698	5,343	29.9	55.6
	1904	62	53	360	2,473	2,886	2,927	11,441	405	930	6,595	10,087	3,492	24.3	48.4
	1899	63	.....	340	1,989	.....	2,148	6,917	369	628	4,499	6,799	2,300	.....	.....
Baking powders and yeast	1909	144	110	1,266	2,155	3,531	3,335	33,647	1,710	1,046	9,338	20,775	11,437	−12.0	9.1
	1904	164	150	756	2,449	3,355	2,965	13,233	939	1,042	8,940	19,043	10,103	26.4	30.7
	1899	191	.....	749	1,938	.....	2,446	8,338	835	717	7,127	14,568	7,441	.....	.....
Baskets, and rattan and willow ware	1909	456	476	279	4,664	5,419	7,196	4,199	244	1,747	2,335	5,695	3,360	− 8.7	9.8
	1904	486	525	236	5,106	5,867	6,252	3,600	203	1,731	1,803	5,187	3,384	21.1	42.7
	1899	454	.....	182	4,217	.....	5,997	2,844	140	1,213	1,335	3,636	2,301	.....	.....
Beet sugar	1909	58	1	1,184	7,204	8,389	57,202	129,629	1,769	4,808	27,265	48,122	20,857	81.8	97.3
	1904	51	.....	763	3,963	4,726	35,490	55,923	1,005	2,487	14,487	24,394	9,907	101.2	233.1
	1899	30	.....	350	1,970	.....	14,460	20,142	357	1,092	4,804	7,324	2,520	.....	.....
Belting and hose, leather	1909	139	100	1,264	3,006	4,370	5,638	17,457	1,502	1,861	15,623	23,692	8,069	43.7	66.6
	1904	117	94	614	2,092	2,800	3,220	10,785	787	1,165	9,317	14,220	4,903	25.5	33.9
	1899	104	.....	443	1,667	.....	2,162	7,408	485	914	7,500	10,623	3,123	.....	.....
Belting and hose, woven and rubber	1909	46	11	974	6,319	7,304	20,547	24,260	1,384	2,956	14,505	24,729	10,224	43.9	39.0
	1904	39	15	614	4,390	5,019	13,491	15,909	984	2,057	10,787	17,791	7,004	116.8	158.4
	1899	25	.....	231	2,025	.....	5,612	6,020	380	982	4,528	6,886	2,358	.....	.....
Bicycles, motor cycles, and parts	1909	95	78	502	4,437	5,017	5,932	9,780	582	2,908	5,083	10,699	5,616	33.7	107.6
	1904	101	81	361	3,319	3,761	5,730	5,883	351	1,971	2,628	5,153	2,525	−31.1	−33.9
	1899	312	.....	2,034	17,525	.....	19,847	29,784	1,753	8,190	16,792	31,916	15,124	.....	.....
Billiard tables and materials	1909	54	48	233	1,495	1,776	2,642	4,705	352	1,011	3,369	5,878	2,509	87.8	164.4
	1904	48	52	116	796	964	631	1,618	151	501	937	2,223	1,286	75.7	34.9
	1899	74	.....	88	453	.....	277	884	105	278	729	1,648	919	.....	.....
Blacking and cleansing and polishing preparations.	1909	501	434	1,556	2,417	4,407	3,977	7,557	1,780	1,146	6,962	14,679	7,717	35.6	69.7
	1904	294	281	723	1,782	2,786	2,708	4,560	774	738	4,383	8,651	4,268	1.4	29.2
	1899	275	.....	686	1,758	.....	1,873	3,662	713	634	3,152	6,698	3,546	.....	.....
Bluing	1909	82	94	138	313	545	242	556	112	114	494	1,074	580	51.9	58.2
	1904	56	53	47	206	306	284	570	45	77	266	679	413	− 6.4	17.9
	1899	65	.....	54	220	.....	116	415	41	79	245	576	331	.....	.....
Bone, carbon, and lampblack	1909	27	7	67	228	302	1,023	1,842	78	149	445	1,093	648	14.0	68.7
	1904	25	11	47	200	258	1,085	1,663	48	105	203	648	445	135.3	80.0
	1899	15	.....	21	85	.....	365	782	24	46	106	360	254	.....	.....
Boots and shoes, including cut stock and findings.	1909	1,918	1,838	15,788	198,297	215,923	96,302	222,324	18,629	98,463	332,738	512,798	180,060	23.7	43.4
	1904	1,895	2,128	9,518	160,294	171,940	63,968	136,802	9,412	73,072	225,288	357,688	132,400	6.0	23.3
	1899	2,253	.....	8,348	151,231	.....	55,489	110,363	8,159	61,924	191,456	290,047	98,591	.....	.....

[1] Included in "Marble and stone" in 1899.

No. 114.—SUMMARY OF MANUFACTURES, BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1899, 1904, AND 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	*Dolls.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*		
Boots and shoes, rubber	1909	22	.....	1,287	17,612	18,899	25,903	43,905	1,415	8,544	29,577	49,721	20,144	− 7.3	−29.0
	1904	22	2	822	18,991	19,815	26,084	39,442	874	8,867	32,000	70,065	38,065	32.0	70.5
	1899	22	.....	483	14,391	.....	25,017	33,668	597	6,427	22,683	41,090	18,407	.....	.....
Boxes, cigar	1909	274	301	436	6,115	6,852	6,049	5,403	471	2,234	4,313	8,491	4,178	− 2.7	9.1
	1904	297	384	370	6,282	7,036	5,548	4,457	333	2,120	3,810	7,786	3,976	36.3	32.9
	1899	315	.....	216	4,609	.....	4,274	3,288	172	1,440	3,061	5,857	2,796	.....	.....
Boxes, fancy and paper	1909	949	815	3,239	39,514	43,568	23,323	35,475	3,709	14,015	25,716	54,450	28,734	23.2	47.7
	1904	796	786	2,326	32,082	35,194	15,117	22,691	2,313	10,208	16,686	36,867	20,181	16.0	35.0
	1899	729	.....	1,368	27,653	.....	9,286	14,979	1,269	8,152	11,765	27,316	15,551	.....	.....
Brass and bronze products	1909	1,021	828	3,995	40,618	45,441	106,120	109,319	5,540	23,677	99,228	149,989	50,761	22.5	46.5
	1904	813	784	3,000	33,168	36,952	69,494	77,438	3,778	17,666	65,653	102,407	36,754	22.1	15.5
	1899	695	.....	1,813	27,166	.....	47,257	51,120	2,297	13,599	61,189	88,654	27,465	.....	.....
Bread and other bakery products	1909	23,926	26,982	17,124	100,216	144,322	65,298	212,910	13,764	59,351	238,034	396,865	158,831	23.3	47.2
	1904	18,226	20,037	8,358	81,278	109,673	37,241	122,353	6,273	43,172	155,989	269,583	113,594	35.0	53.7
	1899	14,836	.....	9,167	60,192	.....	22,472	80,902	6,063	27,864	95,052	175,369	80,317	.....	.....
Brick and tile	1909	4,215	4,285	4,951	76,528	85,764	341,169	174,673	5,439	37,139	23,736	92,776	69,040	15.9	30.4
	1904	4,634	5,295	3,690	66,021	75,006	255,362	119,957	3,530	28,646	16,317	71,152	54,835	6.5	38.8
	1899	5,423	.....	2,426	61,979	.....	176,700	82,086	2,025	21,883	11,006	51,270	40,264	.....	.....
Brooms and brushes [1]	1909	1,282	1,451	1,539	12,153	15,143	8,800	18,982	1,661	5,404	15,578	29,126	13,548	6.4	38.0
	1904	1,316	1,551	982	11,425	13,958	6,441	12,052	925	4,380	10,999	21,104	10,105	10.4	14.2
	1899	1,523	.....	900	10,346	.....	4,482	9,616	758	3,788	9,544	18,484	8,940	.....	.....
Butter, cheese, and condensed milk	1909	8,479	8,019	5,056	18,431	31,506	101,349	71,284	3,591	11,081	235,546	274,558	39,012	18.5	63.2
	1904	8,926	6,801	3,507	15,557	25,865	93,845	47,256	1,376	8,413	142,920	168,183	25,263	21.5	28.6
	1899	9,242	.....	2,818	12,799	.....	88,062	36,303	912	6,146	108,841	130,783	21,942	.....	.....

Butter, reworking	1909	24	10	113	295	418	1,471	3,543	128	186	7,424	8,200	776	−27.0	12.8
	1904	35	32	90	404	526	1,684	1,719	85	252	6,247	7,271	1,024	173.0	243.8
	1899	10	.....	29	148	.....	631	256	30	68	1,345	2,115	770	.....	.....
Buttons	1909	444	519	1,058	16,427	18,004	12,831	15,640	1,299	6,789	9,541	22,708	13,167	55.5	104.0
	1904	275	302	768	10,567	11,637	6,982	7,784	711	3,680	4,144	11,134	6,990	21.7	44.7
	1899	238	.....	339	8,685	.....	4,165	4,213	296	2,826	2,803	7,696	4,893	.....	.....
Calcium lights	1909	10	7	4	15	26	53	55	4	11	24	52	28	−63.4	−61.5
	1904	22	28	16	41	85	132	144	12	24	35	135	100	−25.5	13.4
	1899	19	.....	6	55	.....	80	95	6	24	35	119	84	.....	.....
Candles [2]	1909	16	7	103	539	649	799	2,959	161	246	2,176	3,130	954	−33.9	−19.5
	1904	17	25	89	816	930	931	3,004	135	294	2,911	3,889	978	.....	.....
Canning and preserving	1909	3,767	4,244	7,760	59,968	71,972	81,179	119,207	7,864	19,082	101,823	157,101	55,278	5.3	20.4
	1904	3,168	3,450	5,628	56,944	66,022	60,831	79,246	5,231	16,336	83,147	130,466	47,319	− 0.1	31.3
	1899	2,570	.....	4,199	57,012	.....	38,624	55,481	3,479	13,705	63,668	99,335	35,667	.....	.....
Card cutting and designing	1909	68	79	98	525	702	269	684	93	238	374	1,031	657	−24.6	− 4.8
	1904	60	72	66	696	834	222	488	52	261	478	1,083	605	114.2	75.2
	1899	43	.....	25	325	.....	219	338	22	135	313	618	305	.....	.....
Carpets and rugs, other than rag	1909	139	134	1,265	33,307	34,706	38,553	75,627	2,209	15,536	39,563	71,188	31,625	0.3	15.6
	1904	139	149	1,023	33,221	34,393	33,945	56,781	1,397	13,724	37,948	61,586	23,638	16.9	27.8
	1899	133	.....	687	28,411	.....	26,740	44,449	881	11,121	27,229	48,192	20,963	.....	.....
Carpets, rag	1909	428	489	217	1,982	2,688	2,651	1,546	182	860	689	2,568	1,879	14.2	33.9
	1904	363	458	137	1,736	2,331	1,667	1,100	87	675	489	1,918	1,429	31.7	9.3
	1899	805	.....	57	1,318	.....	599	867	30	443	622	1,755	1,133	.....	.....
Carriages and sleds, children's	1909	84	50	419	5,300	5,769	5,281	6,883	490	2,217	4,129	8,805	4,676	32.4	38.2
	1904	78	52	324	4,003	4,379	3,633	4,336	341	1,783	2,840	6,371	3,531	46.8	48.5
	1899	77	.....	172	2,726	.....	2,462	2,907	159	1,090	1,996	4,290	2,294	.....	.....
Carriages and wagons and materials	1909	5,492	6,213	6,803	69,928	82,944	126,032	175,474	7,960	37,595	81,951	159,893	77,942	−10.2	2.6
	1904	5,588	6,575	6,294	77,882	90,751	106,159	152,345	6,581	38,363	77,528	155,869	78,341	5.5	12.7
	1899	6,792	.....	5,026	73,812	.....	83,771	128,962	4,759	33,565	66,772	138,262	71,490	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.	1909	1,145	2	19,097	282,174	301,273	293,361	238,317	17,339	181,344	199,413	405,601	206,188	19.1	30.9
	1904	1,140	.....	13,329	236,870	250,199	167,973	146,886	11,920	142,153	151,105	309,775	158,670	36.4	42.0
	1899	1,292	.....	7,094	173,595	.....	95,087	119,473	6,208	96,007	109,472	218,114	108,642	.....	.....
Cars and general shop construction and repairs by street-railroad companies.	1909	541	.....	1,281	22,418	23,699	35,794	38,899	1,204	14,486	15,168	31,963	16,795	102.8	137.9
	1904	86	.....	499	11,052	11,551	3,154	12,906	543	7,013	5,463	13,437	7,974	57.3	43.4
	1899	108	.....	201	7,025	.....	6,443	10,782	194	4,405	4,337	9,371	5,034	.....	.....

[1] Includes 898 establishments reported as "Brooms" and 384 as "Brushes" in 1909.

[2] Included in "Soap" in 1899.

No. 114.—Summary of Manufactures, by Specified Industries, Calendar Years 1899, 1904, and 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	*Dolls.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*		
Cars, steam-railroad, not including operations of railroad companies.	1909	110	7	4,001	43,086	47,094	97,797	139,805	5,138	27,135	78,753	123,730	44,977	26.5	11.3
	1904	73	6	2,303	34,058	36,367	55,994	88,179	2,855	20,248	75,657	111,175	35,518	1.8	22.8
	1899	65	.....	1,366	33,453	.....	33,395	88,324	1,538	16,987	61,743	90,510	28,767	.....	.....
Cars, street-railroad, not including operations of railroad companies.	1909	14	1	421	3,583	4,005	15,161	14,168	594	2,177	4,260	7,810	3,550	−24.2	−28.0
	1904	14	3	264	4,730	4,997	7,054	12,976	398	2,840	5,341	10,844	5,503	31.9	48.4
	1899	20	.....	144	3,585	.....	4,865	7,615	235	1,951	3,967	7,305	3,338	.....	.....
Cash registers and calculating machines.	1909	50	7	1,777	7,465	9,249	6,944	27,224	2,736	5,312	3,552	23,708	20,156	83.0	140.1
	1904	32	10	923	4,079	5,012	4,139	7,588	1,109	2,442	1,516	9,875	8,359	97.3	74.0
	1899	18	.....	327	2,067	.....	1,340	5,242	329	1,250	921	5,675	4,754	.....	.....
Cement [1]	1909	135	17	2,719	26,775	29,511	371,799	187,398	3,653	15,320	29,344	63,205	33,861	53.2	111.6
	1904	129	26	1,383	17,478	18,887	149,604	85,759	1,858	8,814	12,215	29,873	17,658	.....	.....
Charcoal	1909	76	75	25	631	731	165	641	23	253	448	872	424	−31.6	−32.5
	1904	74	77	25	923	1,025	355	717	22	343	642	1,292	650	−48.3	13.9
	1899	183	.....	23	1,786	.....	164	811	16	431	405	1,134	729	.....	.....
Chemicals [2]	1909	349	154	3,923	23,714	27,791	208,604	155,144	6,137	14,085	64,122	117,689	53,567	19.7	56.5
	1904	275	123	2,778	19,806	22,707	132,262	96,621	4,048	10,790	42,063	75,222	33,159	4.1	20.1
	1899	433	.....	2,123	19,020	.....	90,349	89,069	2,923	9,393	34,546	62,637	28,091	.....	.....
China decorating	1909	40	45	63	328	436	18	559	80	191	311	786	475	45.8	140.4
	1904	28	30	18	225	273	6	261	16	99	108	327	219	−24.5	−32.6
	1899	49	.....	31	298	.....	.....	269	21	122	207	485	278	.....	.....
Chocolate and cocoa products	1909	27	10	568	2,826	3,404	10,593	13,685	970	1,269	15,523	22,390	6,867	35.2	55.6
	1904	25	15	291	2,090	2,396	5,217	8,379	463	822	9,723	14,390	4,667	59.1	48.9
	1899	24	.....	289	1,314	.....	2,756	6,891	371	526	6,877	9,666	2,789	.....	.....
Clocks and watches, including cases and materials.	1909	120	53	1,529	23,857	25,439	14,957	57,500	2,181	12,944	11,131	35,197	24,066	5.7	18.2
	1904	97	63	1,249	22,579	23,891	10,731	42,189	1,638	11,892	9,872	29,790	19,918	31.6	34.7
	1899	109	.....	676	17,155	.....	7,251	31,514	957	8,315	8,819	22,110	13,291	.....	.....

Cloth, sponging and refinishing	1909	57	67	125	975	1,167	704	629	127	651	85	1,544	1,459	22.6	46.6
	1904	55	68	59	795	922	322	401	62	504	39	1,053	1,014	48.9	86.0
	1899	46	.....	39	534	.....	109	289	35	268	17	566	549	.....	.....
Clothing, horse	1909	33	40	142	1,648	1,830	1,454	3,279	171	492	2,773	4,135	1,362	55.0	93.2
	1904	29	32	73	1,063	1,168	656	1,499	72	342	1,329	2,140	811	84.9	64.0
	1899	26	.....	55	575	.....	271	654	47	177	848	1,305	457	.....	.....
Clothing, men's, including shirts	1909	6,354	8,502	23,239	239,696	271,437	42,725	275,320	26,723	106,277	297,515	568,077	270,562	38.0	39.7
	1904	5,145	7,006	15,671	173,689	196,366	29,829	176,557	15,740	68,459	211,433	406,768	195,335	10.2	25.6
	1899	6,419	.....	11,906	157,549	.....	20,457	140,191	12,032	56,391	168,169	323,839	155,670	.....	.....
Clothing, men's, buttonholes	1909	146	181	20	830	1,031	176	225	12	389	105	781	676	— 8.1	11.6
	1904	141	164	8	903	1,075	137	262	5	380	95	700	605	— 4.3	2.8
	1899	149	.....	11	944	.....	113	247	6	332	98	681	583	.....	.....
Clothing, women's	1909	4,558	6,482	18,796	153,743	179,021	22,294	129,301	20,418	78,568	208,788	384,752	175,964	32.9	55.4
	1904	3,351	4,913	10,920	115,705	131,538	14,916	73,948	9,976	51,180	130,720	247,662	116,942	38.2	55.4
	1899	2,701	.....	6,715	83,739	.....	9,962	48,432	6,574	32,586	84,705	159,340	74,635	.....	.....
Coffee and spice, roasting and grinding.[3]	1909	607	497	5,529	7,490	13,516	22,334	46,042	6,596	3,676	83,205	110,533	27,328	25.7	31.3
	1904	421	442	2,844	5,959	9,245	15,703	38,735	3,216	2,830	65,847	84,188	18,341	— 6.7	21.1
	1899	458	.....	2,749	6,387	.....	16,270	28,437	2,951	2,487	55,112	69,527	14,415	.....	.....
Coffins, burial cases, and undertakers' goods.	1909	284	161	1,948	9,339	11,448	16,490	25,843	2,411	4,633	11,964	24,526	12,562	10.3	21.0
	1904	239	168	1,161	8,468	9,797	13,178	18,532	1,345	4,120	9,501	20,266	10,765	23.8	45.3
	1899	217	.....	948	6,840	.....	8,927	13,585	1,023	3,077	6,945	13,952	7,007	.....	.....
Coke	1909	315	101	1,852	29,273	31,226	62,602	152,321	2,072	15,454	64,025	95,697	31,672	54.2	85.0
	1904	278	73	1,386	18,981	20,440	66,669	90,713	1,247	9,304	29,885	51,729	21,844	11.7	45.4
	1899	241	.....	915	16,999	.....	34,767	36,503	797	7,086	19,666	35,585	15,919	.....	.....
Confectionery	1909	1,944	1,832	8,384	44,638	54,854	35,870	68,326	9,137	15,615	81,151	134,796	53,645	23.2	54.8
	1904	1,348	1,366	5,124	36,239	42,729	24,292	43,125	4,840	11,699	48,810	87,087	38,277	34.9	43.6
	1899	962	.....	4,304	26,866	.....	19,410	26,319	3,525	8,020	35,354	60,644	25,290	.....	.....
Cooperage and wooden goods, not elsewhere specified.	1909	1,693	1,760	1,688	26,269	29,717	65,108	50,342	2,047	11,715	36,928	60,248	23,320	— 5.3	4.0
	1904	1,719	1,853	1,537	27,743	31,133	56,988	36,756	1,752	11,843	34,971	57,956	22,985	9.6	37.9
	1899	1,798	.....	969	25,323	.....	38,462	25,602	963	9,860	23,619	42,025	18,406	.....	.....
Copper, tin, and sheet-iron products	1909	4,228	4,423	8,896	73,615	86,934	62,366	217,532	10,288	39,501	112,582	199,824	87,242	38.8	66.6
	1904	2,540	2,851	4,827	53,035	60,713	30,229	147,608	6,070	26,269	63,921	119,933	56,012	38.4	53.1
	1899	1,985	.....	2,924	38,317	.....	28,829	49,679	2,810	16,924	42,602	78,359	35,757	.....	.....
Cordage and twine, jute and linen goods.	1909	164	80	1,314	25,820	27,214	78,549	76,020	1,863	9,133	40,915	61,020	20,105	1.9	— 5.6
	1904	145	60	1,050	25,332	26,442	66,244	56,467	1,597	8,824	46,031	64,664	18,633	17.0	31.8
	1899	160	.....	682	21,651	.....	47,999	43,153	1,021	6,554	33,064	49,078	16,014	.....	.....
Cordials and sirups	1909	117	94	449	1,095	1,638	1,154	4,804	627	503	5,341	9,662	4,321	65.9	175.3
	1904	63	68	171	660	899	782	1,666	242	235	2,149	3,510	1,361	82.3	66.6
	1899	39	.....	112	362	.....	573	1,153	121	117	1,505	2,107	602	.....	.....

[1] Included in "Lime" in 1899.

[2] Includes "Sulphuric, nitric, and mixed acids" and "Wood distillation, not including turpentine and rosin," in 1899.

[3] Includes "Peanuts, grading, roasting, cleaning, and shelling," in 1899.

No. 114.—SUMMARY OF MANUFACTURES, BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1899, 1904, AND 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	*Dolls.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*		
Cork, cutting	1909	62	49	185	3,142	3,376	3,746	5,327	267	1,098	3,435	5,940	2,505	8.5	32.3
	1904	50	49	136	2,395	3,080	2,589	4,009	198	838	2,459	4,491	2,032	23.7	2.3
	1899	62	.....	136	2,340	.....	1,563	2,684	195	688	2,404	4,392	1,988	.....	.....
Corsets	1909	138	91	1,956	17,564	19,611	4,581	18,083	2,871	6,464	15,640	33,257	17,617	60.0	123.8
	1904	109	96	877	10,975	11,948	3,284	9,589	1,010	3,600	6,135	14,862	8,727	−10.8	2.8
	1899	138	.....	815	12,297	.....	3,638	7,290	966	3,645	6,357	14,451	8,094	.....	.....
Cotton goods, including cotton small wares.	1909	1,324	377	8,514	378,880	387,771	1,296,517	822,238	14,412	132,859	371,009	628,392	257,383	19.9	39.5
	1904	1,154	432	6,981	315,874	323,287	986,604	613,111	10,238	96,206	286,255	450,468	164,213	4.3	32.8
	1899	1,055	.....	4,902	302,861	.....	795,834	467,240	7,350	86,690	176,552	339,200	162,648	.....	.....
Crucibles	1909	12	4	59	335	398	816	2,051	130	180	1,089	1,849	760	19.6	37.7
	1904	11	3	57	280	340	627	1,577	116	159	762	1,343	581	−58.3	−48.5
	1899	11	.....	89	671	.....	760	1,844	154	251	1,673	2,607	934	.....	.....
Cutlery and tools, not elsewhere specified.	1909	959	814	3,351	32,996	37,161	68,294	67,380	4,182	17,581	18,279	53,266	34,987	26.0	36.5
	1904	838	827	1,989	26,188	29,004	54,397	43,729	2,333	13,125	13,278	39,022	25,744	33.3	38.6
	1899	721	.....	1,464	19,642	.....	38,283	30,152	1,606	9,434	9,748	28,146	18,398	.....	.....
Dairymen's, poulterers', and apiarists' supplies.[1]	1909	233	206	1,354	4,871	6,431	6,898	15,188	1,416	2,671	6,089	15,463	9,374	86.8	136.3
	1904	176	165	500	2,608	3,273	3,994	5,030	359	1,167	3,203	6,545	3,342	.....	.....
Dentists' materials	1909	87	69	340	1,573	1,982	865	6,258	545	744	8,101	10,836	2,735	−18.2	38.7
	1904	80	79	290	1,922	2,291	1,113	4,681	334	949	5,510	7,810	2,300	89.0	109.9
	1899	68	.....	182	1,017	.....	375	2,112	184	509	2,109	3,721	1,612	.....	.....
Drug grinding	1909	25	16	214	922	1,152	3,322	5,187	268	464	3,454	6,007	2,553	− 6.0	16.7
	1904	27	23	107	981	1,111	2,866	4,991	155	483	3,024	5,146	2,122	52.3	19.5
	1899	26	.....	102	644	.....	4,697	2,838	127	292	3,315	4,308	993	.....	.....
Dyeing and finishing textiles	1909	426	318	2,939	44,046	47,303	107,746	114,093	5,035	21,227	35,261	83,556	48,295	23.8	64.3
	1904	360	310	2,196	35,565	38,071	84,868	88,709	3,407	15,469	19,621	50,850	31,229	19.4	13.1
	1899	298	.....	1,318	29,776	.....	69,238	60,643	2,267	12,726	17,958	44,963	27,005	.....	.....

Dyestuffs and extracts	1909	107	65	553	2,397	3,015	22,213	17,935	942	1,291	9,684	15,955	6,271	−11.5	46.5
	1904	98	82	361	2,707	3,150	17,671	14,904	609	1,264	6,829	10,893	4,064	64.4	48.2
	1899	77	.....	229	1,647	.....	11,409	7,839	312	788	4,746	7,351	2,605	.....	.....
Electrical machinery, apparatus, and supplies.	1909	1,009	439	17,905	87,256	105,600	158,768	267,844	20,193	49,381	108,566	221,309	112,743	44.3	57.2
	1904	784	400	10,619	60,466	71,485	105,376	174,066	11,091	31,842	66,837	140,809	73,972	43.9	52.3
	1899	581	.....	5,067	42,013	.....	43,674	83,660	4,632	20,579	49,458	92,434	42,976	.....	.....
Electroplating	1909	461	554	287	2,717	3,558	4,461	2,324	243	1,652	1,205	4,510	3,305	39.8	52.1
	1904	312	371	144	1,943	2,458	2,588	1,287	132	1,093	747	2,965	2,218	− 6.9	9.0
	1899	302	.....	115	2,086	.....	2,933	1,322	93	949	784	2,720	1,936	.....	.....
Emery and other abrasive wheels	1909	51	20	483	1,943	2,446	4,005	6,231	657	1,156	2,651	6,711	4,060	142.6	225.5
	1904	34	11	188	801	1,000	1,965	2,249	217	451	705	2,062	1,357	46.7	49.2
	1899	34	.....	125	546	.....	1,044	1,490	127	303	509	1,382	873	.....	.....
Enameling and japanning [2]	1909	108	105	188	2,125	2,418	1,695	2,880	204	922	1,496	3,316	1,820	−78.7	−79.7
	1904	124	99	595	9,963	10,657	7,856	18,571	814	3,830	7,394	16,316	8,922	27.2	60.1
	1899	167	.....	307	7,835	.....	3,052	9,302	309	2,334	5,522	10,194	4,672	.....	.....
Engravers' materials	1909	18	13	47	129	189	549	393	68	96	609	921	312	163.3	438.6
	1904	10	13	6	49	68	135	98	11	31	96	171	75	−35.5	−39.4
	1899	11	.....	13	76	.....	105	101	22	45	142	282	140	.....	.....
Engraving and diesinking	1909	253	300	174	1,308	1,782	768	1,449	168	821	351	2,250	1,899	−16.8	− 7.1
	1904	305	352	175	1,573	2,100	1,032	1,211	160	1,032	376	2,422	2,046	63.2	65.0
	1899	277	.....	75	964	.....	616	720	63	543	203	1,468	1,265	.....	.....
Engraving, wood	1909	82	89	73	318	480	39	193	82	259	126	711	585	− 5.9	9.7
	1904	114	129	38	338	505	45	185	42	245	60	648	588	.6	5.5
	1899	144	.....	22	336	.....	47	231	23	206	63	614	551	.....	.....
Explosives	1909	86	21	763	6,274	7,058	28,601	50,168	1,134	4,304	22,812	40,140	17,328	8.2	35.6
	1904	124	24	1,289	5,800	7,113	29,665	42,307	1,797	3,309	17,204	29,603	12,399	28.8	72.9
	1899	97	.....	768	4,502	.....	19,195	19,466	914	2,384	10,335	17,125	6,790	.....	.....
Fancy articles, not elsewhere specified.	1909	494	477	1,526	12,191	14,194	8,310	15,768	1,728	5,096	10,361	22,632	12,271	19.5	28.6
	1904	435	483	1,066	10,199	11,748	5,886	9,501	1,037	4,080	7,537	17,594	10,057	20.7	36.4
	1899	496	.....	875	8,451	.....	4,386	6,854	739	3,023	5,943	12,896	6,953	.....	.....
Fertilizers	1909	550	323	3,317	18,310	21,950	64,711	121,537	4,406	7,477	69,522	103,960	34,438	29.1	83.9
	1904	399	294	1,613	14,184	16,091	47,989	68,917	1,934	5,127	39,288	56,541	17,253	22.5	26.6
	1899	422	.....	1,712	11,581	.....	38,680	60,686	2,125	4,185	28,958	44,657	15,699	.....	.....
Files	1909	57	47	316	4,158	4,521	7,383	10,413	338	1,978	1,596	5,691	4,095	26.9	29.6
	1904	62	65	109	3,276	3,450	5,697	5,866	170	1,514	1,311	4,392	3,081	3.7	29.0
	1899	86	.....	127	3,160	.....	4,835	3,858	154	1,277	1,166	3,404	2,238	.....	.....
Firearms and ammunition	1909	66	30	1,297	14,715	16,042	17,840	39,377	1,920	8,427	17,021	34,112	17,091	7.9	20.9
	1904	62	38	728	13,634	14,400	21,408	22,493	1,100	7,755	12,339	28,206	15,867	40.4	52.7
	1899	65	.....	432	9,713	.....	7,470	13,635	614	5,103	8,742	18,472	9,730	.....	.....

[1] Included in other classifications in 1899.

[2] Totals for 1899 and 1904 include some establishments classed as "Copper, tin, and sheet-iron products" in 1909.

No. 114.—SUMMARY OF MANUFACTURES, BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1899, 1904, AND 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	*Dolls.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*		
Fire extinguishers, chemical	1909	31	10	95	195	300	215	527	134	127	305	754	449	9.6	29.6
	1904	35	23	66	178	267	140	338	59	108	229	582	353	178.1	167.0
	1899	17	.....	47	64	.....	26	137	39	33	71	218	147	.....	.....
Fireworks	1909	42	22	142	1,403	1,567	517	2,209	217	579	896	2,269	1,373	— 5.2	14.2
	1904	34	25	132	1,480	1,637	347	1,543	141	536	769	1,987	1,218	— 9.6	11.3
	1899	46	.....	136	1,638	.....	219	1,086	146	507	628	1,785	1,157	.....	.....
Flags, banners, regalia, society badges, and emblems.	1909	211	207	743	3,572	4,522	1,173	5,781	710	1,489	3,810	8,114	4,304	24.4	44.7
	1904	171	169	476	2,872	3,517	949	3,916	482	1,128	2,506	5,608	3,102	38.2	37.2
	1899	145	.....	306	2,078	.....	435	2,406	259	620	2,144	4,088	1,944	.....	.....
Flavoring extracts	1909	420	377	1,028	1,229	2,634	1,060	5,341	1,082	558	4,458	8,828	4,370	—20.4	13.6
	1904	377	384	672	1,543	2,599	873	4,405	698	653	3,936	7,772	3,836	23.3	23.2
	1899	350	.....	594	1,251	.....	704	3,314	654	478	3,291	6,308	3,017	.....	.....
Flax and hemp, dressed	1909	16	22	30	164	216	1,147	785	29	64	336	467	131	—23.4	34.6
	1904	17	17	15	214	246	600	239	9	60	233	347	114	1.4	118.2
	1899	4	.....	12	211	.....	187	72	7	46	91	159	68	.....	.....
Flour-mill and gristmill products	1909	11,691	14,570	12,031	39,453	66,054	853,584	349,152	12,517	21,464	767,576	883,584	116,008	.9	23.9
	1904	10,051	13,098	7,415	39,110	59,623	775,318	265,117	7,352	19,822	619,971	713,033	93,062	21.4	42.2
	1899	9,476	.....	5,522	32,226	.....	670,719	189,281	5,258	16,285	428,117	501,396	73,279	.....	.....
Food preparations	1909	1,213	1,131	4,866	14,968	20,965	55,166	64,685	5,865	7,043	83,942	125,331	41,389	32.1	104.9
	1904	766	749	2,657	11,333	14,739	28,102	51,784	2,999	4,398	37,668	61,180	23,512	38.0	53.6
	1899	645	.....	1,538	8,214	.....	15,485	21,401	1,495	3,099	24,777	39,837	15,060	.....	.....
Foundry and machine-shop products.[1]	1909	13,253	9,851	74,623	531,011	615,485	869,305	1,514,332	93,795	321,521	540,011	1,228,475	688,464	19.8	39.5
	1904	10,765	9,370	49,406	443,409	502,185	606,105	1,034,135	59,703	246,573	367,412	880,514	513,102	3.8	10.3
	1899	11,046	.....	34,286	426,985	.....	446,985	790,741	39,318	219,870	363,036	798,454	435,418	.....	.....
Foundry supplies	1909	49	27	219	464	710	4,995	2,688	255	276	1,272	2,298	1,026	47.3	117.0
	1904	34	22	77	315	414	3,543	1,516	73	156	625	1,059	434	13.3	— 6.2
	1899	30	.....	75	278	.....	3,505	982	79	136	628	1,129	501	.....	.....

Fuel, manufactured [2]	1909	11	2	22	88	112	1,290	432	22	50	155	311	156	.....	.....
Fur goods	1909	1,241	1,717	2,508	11,927	16,152	2,120	29,249	2,553	7,788	31,777	55,938	24,161	27.3	50.7
	1904	867	1,245	1,172	9,370	11,787	1,994	17,990	1,229	5,123	21,202	37,119	15,917	20.8	43.3
	1899	734	.....	1,141	7,758	.....	907	12,484	1,006	3,927	14,281	25,899	11,618	.....	.....
Furnishing goods, men's	1909	900	1,022	4,431	38,482	43,935	12,116	49,009	5,210	15,093	49,125	87,710	38,585	41.6	78.9
	1904	547	694	2,597	27,185	30,476	5,421	28,044	2,158	8,760	26,565	49,032	22,467	−10.3	10.6
	1899	457	.....	2,149	30,322	.....	3,552	20,576	2,188	9,730	23,670	44,346	20,676	.....	.....
Furniture and refrigerators	1909	3,155	2,657	13,031	128,452	144,140	221,451	227,134	15,561	65,618	108,775	239,886	131,111	12.5	34.9
	1904	2,593	2,286	8,642	114,165	125,093	169,774	158,986	9,524	51,788	76,892	177,795	100,903	26.0	36.1
	1899	1,909	.....	6,751	90,591	.....	119,608	109,267	6,692	36,920	57,406	130,634	73,228	.....	.....
Furs, dressed	1909	93	115	116	1,241	1,472	2,103	1,672	135	806	811	2,391	1,580	12.3	−25.7
	1904	85	109	110	1,105	1,324	1,260	1,296	110	755	1,642	3,216	1,574	32.3	129.7
	1899	92	.....	46	835	.....	1,063	798	49	478	520	1,400	880	.....	.....
Galvanizing	1909	46	26	216	1,447	1,689	1,367	4,197	257	787	5,719	7,338	1,619	15.2	14.3
	1904	36	34	167	1,256	1,457	1,603	2,690	192	620	4,745	6,419	1,674	134.8	159.8
	1899	28	.....	52	535	.....	409	1,776	47	229	1,678	2,471	793	.....	.....
Gas and electric fixtures and lamps and reflectors.	1909	619	431	3,614	18,861	22,906	15,862	36,835	4,340	10,393	20,467	45,057	24,590	50.0	69.6
	1904	405	334	1,749	12,570	14,653	8,444	28,002	2,198	6,408	11,078	26,560	15,482	11.9	34.0
	1899	377	.....	1,294	11,238	.....	6,991	15,855	1,492	5,188	7,962	19,821	11,859	.....	.....
Gas, illuminating and heating	1909	1,296	277	13,515	37,215	51,067	128,350	915,537	12,385	20,931	52,428	166,814	114,386	21.8	33.3
	1904	1,019	71	9,406	30,566	40,043	73,101	725,035	8,464	17,058	37,180	125,145	87,965	36.1	65.3
	1899	877	.....	5,904	22,459	.....	31,797	567,001	5,273	12,436	20,605	75,717	55,112	.....	.....
Glass	1909	363	87	3,575	68,911	72,573	128,532	129,288	4,994	39,300	32,119	92,095	59,976	7.7	15.7
	1904	399	96	3,040	63,969	67,105	91,476	89,389	3,940	37,288	26,146	79,608	53,462	21.1	40.8
	1899	355	.....	2,268	52,818	.....	52,943	61,424	2,792	27,085	16,731	56,540	39,809	.....	.....
Glass, cutting, staining, and ornamenting.	1909	583	617	1,111	9,362	11,090	4,897	10,296	1,295	5,249	6,246	16,101	9,855	11.7	22.6
	1904	453	504	743	8,379	9,626	3,973	7,365	776	4,359	4,845	13,138	8,293	70.5	50.1
	1899	411	.....	475	4,914	.....	2,098	4,001	487	2,394	3,535	8,750	5,215	.....	.....
Gloves and mittens, leather	1909	377	458	1,138	11,354	12,950	2,889	16,909	1,256	4,764	13,208	23,631	10,423	6.7	33.2
	1904	339	427	640	10,645	11,712	2,725	10,706	585	3,840	10,001	17,740	7,739	−25.8	4.8
	1899	394	.....	659	14,345	.....	2,165	9,090	547	4,183	9,483	16,926	7,443	.....	.....
Glucose and starch	1909	118	86	968	4,773	5,827	28,257	38,866	1,413	2,666	36,899	48,799	11,900	2.0	49.5
	1904	140	111	619	4,679	5,409	35,986	24,053	655	2,641	25,519	32,650	7,131	−21.3	5.6
	1899	132	.....	553	5,943	.....	26,642	52,683	732	2,855	21,580	30,927	9,347	.....	.....
Glue	1909	65	45	530	3,265	3,840	15,596	14,289	747	1,571	7,525	13,718	6,193	14.0	36.7
	1904	58	42	352	2,864	3,258	14,280	10,673	465	1,529	6,186	10,035	3,849	77.0	86.2
	1899	61	.....	159	1,618	.....	6,806	6,144	192	685	3,767	5,389	1,622	.....	.....

[1] Includes "Locomotives, not made by railroad companies," and "Stoves and furnaces, including gas and oil stoves," in 1899.

[2] Not reported separately in 1904 or 1899.

No. 114.—SUMMARY OF MANUFACTURES, BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1899, 1904, AND 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	*Dolls.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*		
Gold and silver, leaf and foil	1909	88	108	62	1,383	1,553	259	1,184	78	637	1,518	2,630	1,112	— 1.4	— 2.4
	1904	83	106	86	1,402	1,594	278	1,072	85	663	1,476	2,695	1,219	20.6	1.1
	1899	93	.....	35	1,163	.....	149	1,087	36	499	1,604	2,666	1,062	.....	.....
Gold and silver, reducing and refining, not from the ore.	1909	62	61	173	456	690	1,735	3,894	249	346	21,984	23,612	1,628	58.9	26.1
	1904	41	57	95	287	439	1,068	2,326	127	206	17,538	18,724	1,186	31.0	58.5
	1899	57	.....	76	219	.....	765	1,944	83	141	10,932	11,812	880	.....	.....
Graphite and graphite refining	1909	9	4	96	162	262	1,472	1,786	115	89	405	1,140	735	—25.7	233.3
	1904	11	6	33	218	257	922	478	30	108	117	342	225	59.1	—20.3
	1899	11	.....	16	137	.....	805	411	21	64	217	429	212	.....	.....
Grease and tallow	1909	353	364	783	4,357	5,504	14,613	16,676	991	2,629	15,543	23,419	7,876	20.1	24.5
	1904	300	306	481	3,628	4,415	11,738	10,284	583	2,114	12,369	18,815	6,446	77.8	57.4
	1899	287	.....	256	2,040	.....	8,031	7,071	266	1,067	8,752	11,953	3,201	.....	.....
Grindstones	1909	14	6	85	1,394	1,485	5,700	4,939	159	638	468	1,688	1,220	91.4	114.2
	1904	23	10	50	706	766	2,602	1,869	81	275	264	788	524	—39.5	—27.6
	1899	25	.....	60	1,167	.....	2,677	903	58	407	264	1,089	825	.....	.....
Haircloth [1]	1909	14	.....	72	538	621	995	2,281	72	252	1,614	2,230	616	.....	.....
Hair work	1909	250	298	551	3,533	4,383	218	4,716	434	1,610	6,081	11,216	5,135	309.5	529.4
	1904	125	148	126	864	1,137	62	1,132	98	335	728	1,782	1,054	5.2	26.7
	1899	158	.....	44	820	.....	23	760	33	287	496	1,406	910	.....	.....
Hammocks	1909	15	14	39	272	325	157	344	34	95	311	578	267	.4	29.3
	1904	14	19	26	271	316	171	290	27	91	190	447	257	—20.1	— 6.9
	1899	13	.....	21	339	.....	113	308	16	102	243	480	237	.....	.....
Hand stamps and stencils and brands	1909	361	375	513	1,651	2,539	903	2,439	433	952	1,127	3,673	2,546	9.6	30.7
	1904	327	363	280	1,506	2,149	721	1,915	224	797	737	2,811	2,074	2.4	7.7
	1899	360	.....	171	1,470	.....	462	1,736	141	696	663	2,611	1,948	.....	.....

Hat and cap materials	1909	74	63	188	2,367	2,618	2,922	6,183	231	947	5,380	8,236	2,856	− 1.9	27.9
	1904	65	87	114	2,414	2,615	2,239	4,265	127	849	4,217	6,440	2,223	76.1	67.3
	1899	70	.....	50	1,371	.....	1,770	1,744	60	434	2,798	3,849	1,051	.....	.....
Hats and caps, other than felt, straw, and wool.[2]	1909	494	688	720	6,201	7,609	990	5,275	783	3,421	6,690	13,689	6,999	− 6.0	5.7
	1904	415	605	418	6,594	7,617	797	4,185	436	3,354	6,308	12,956	6,648	−47.4	−39.4
	1899	644	.....	643	12,544	.....	3,252	8,394	675	5,025	10,907	21,393	10,486	.....	.....
Hats, fur felt	1909	273	264	1,763	25,064	27,091	19,245	35,734	2,097	14,223	22,109	47,865	25,756	13.7	30.7
	1904	216	252	1,367	22,047	23,666	16,630	23,258	1,488	11,282	15,975	36,629	20,654	16.8	31.7
	1899	171	.....	726	18,880	.....	11,843	16,701	944	9,119	13,514	27,811	14,297	.....	.....
Hats, straw [3]	1909	98	91	799	8,814	9,704	3,482	11,538	1,427	4,471	11,468	21,424	9,956	58.3	106.9
	1904	68	79	438	5,567	6,084	2,366	6,036	487	2,434	5,510	10,357	4,847	.....	.....
Hones and whetstones	1909	18	13	8	152	173	677	382	6	72	110	268	158	−30.9	−13.0
	1904	17	12	19	220	251	684	423	20	94	103	308	205	16.4	57.1
	1899	18	.....	19	189	.....	593	217	6	73	64	196	132	.....	.....
Horseshoes, not made in steel works or rolling mills.	1909	19	7	60	293	360	1,045	1,396	99	166	356	1,015	659	26.3	−27.0
	1904	8	1	40	232	273	1,014	1,227	54	127	256	799	543	.4	60.4
	1899	7	.....	18	231	.....	545	463	36	117	211	498	287	.....	.....
Hosiery and knit goods	1909	1,374	1,134	5,721	129,275	136,130	103,709	163,641	7,691	44,740	110,241	200,143	89,902	24.2	46.0
	1904	1,144	1,067	4,330	104,092	109,489	78,769	106,943	4,455	31,615	76,789	137,076	60,287	24.4	43.0
	1899	1,006	.....	2,831	83,691	.....	57,346	82,066	3,138	24,434	51,195	95,834	44,639	.....	.....
House-furnishing goods, not elsewhere specified.	1909	260	236	773	4,907	5,916	9,328	12,784	1,007	2,035	12,371	18,509	6,138	2.7	23.3
	1904	237	234	543	4,778	5,555	8,748	9,872	582	1,880	9,627	15,011	5,384	− 8.3	5.1
	1899	209	.....	584	5,212	.....	8,531	10,634	628	1,838	9,198	14,278	5,080	.....	.....
Ice, manufactured	1909	2,004	1,066	3,927	16,114	21,107	317,789	118,641	3,868	9,779	11,317	42,953	31,636	59.5	80.6
	1904	1,320	746	2,332	10,101	13,179	191,660	66,592	2,001	5,549	6,011	23,790	17,779	46.8	72.6
	1899	775	.....	1,531	6,880	.....	100,421	38,020	1,226	3,403	3,312	13,781	10,469	.....	.....
Ink, printing	1909	71	38	695	1,121	1,854	5,857	7,144	1,092	773	4,175	8,865	4,690	57.7	53.5
	1904	60	45	361	711	1,117	3,384	4,610	530	475	2,613	5,774	3,161	41.4	87.5
	1899	60	.....	253	503	.....	1,895	2,945	345	298	1,536	3,080	1,544	.....	.....
Ink, writing	1909	47	37	282	505	824	169	2,114	376	203	1,078	2,505	1,427	17.4	33.2
	1904	42	36	141	430	607	224	1,287	191	170	858	1,881	1,023	50.9	45.5
	1899	44	.....	148	285	.....	359	877	134	114	573	1,293	720	.....	.....
Instruments, professional and scientific.	1909	263	222	1,136	4,817	6,175	4,856	11,724	1,233	2,925	2,918	10,504	7,586	40.2	95.3
	1904	225	200	508	3,437	4,145	2,110	5,383	532	1,823	1,350	5,378	4,028	23.9	10.8
	1899	261	.....	389	2,775	.....	2,471	4,476	402	1,429	1,363	4,853	3,490	.....	.....
Iron and steel, blast furnaces	1909	208	48	4,584	38,429	43,061	1,173,422	487,581	6,525	24,607	320,638	391,429	70,791	9.6	68.8
	1904	190	26	2,231	35,078	37,335	773,278	236,146	2,891	18,935	178,942	231,823	52,881	−10.6	12.1
	1899	223	.....	1,757	39,241	.....	497,272	143,159	2,304	18,484	131,504	206,757	75,253	.....	.....

[1] Included in other classifications in 1904 and 1899.

[2] Includes "Hats, straw," in 1899.

[3] Included in "Hats and caps, other than felt, straw, and wool," in 1899.

No. 114.—Summary of Manufactures, by Specified Industries, Calendar Years 1899, 1904, and 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	*Dolls.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*		
Iron and steel, steel works and rolling mills.	1909	446	47	20,639	240,076	260,762	2,100,978	1,004,735	26,191	163,201	657,501	985,723	328,222	15.7	46.3
	1904	415	64	14,330	207,562	221,956	1,649,299	700,182	17,860	122,492	441,204	673,965	232,761	13.3	12.9
	1899	445	.....	7,454	183,249	.....	1,100,801	430,232	9,483	102,336	390,895	597,212	206,317	.....	.....
Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills.	1909	108	38	1,012	11,345	12,395	22,113	30,250	1,373	5,793	12,804	24,485	11,681	40.2	66.7
	1904	88	49	632	8,090	8,771	13,825	18,913	912	3,642	7,807	14,687	6,880	5.6	5.1
	1899	72	.....	420	7,660	.....	9,165	10,800	571	2,992	8,071	13,978	5,907	.....	.....
Iron and steel, doors and shutters	1909	29	18	197	1,601	1,816	1,997	3,045	224	874	1,283	3,006	1,723	129.0	103.5
	1904	24	19	93	699	811	969	1,120	117	407	602	1,477	875	497.4	361.6
	1899	13	.....	20	117	.....	223	262	19	86	116	320	204	.....	.....
Iron and steel forgings	1909	172	90	935	8,168	9,193	27,803	27,755	1,300	5,003	10,240	20,293	10,053	44.2	67.6
	1904	138	77	605	5,665	6,347	16,069	28,246	824	3,428	5,752	12,110	6,358	20.8	16.0
	1899	90	.....	322	4,688	.....	7,697	9,676	411	2,559	5,213	10,438	5,225	.....	.....
Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.	1909	57	42	432	2,765	3,239	7,723	8,898	562	1,353	3,972	8,192	4,220	—24.9	— 8.2
	1904	76	60	406	3,681	4,147	10,533	8,742	454	1,684	4,686	8,923	4,237	—17.8	—39.6
	1899	102	.....	431	4,477	.....	12,853	10,751	444	2,042	8,562	14,777	6,215	.....	.....
Iron and steel pipe, wrought	1909	28	17	475	6,817	7,309	20,656	22,266	657	3,963	22,942	30,886	7,944	25.9	77.5
	1904	27	11	296	5,416	5,723	15,094	13,053	369	2,473	12,747	17,401	4,654	— 2.2	—18.3
	1899	19	.....	193	5,536	.....	11,717	18,344	266	2,496	15,524	21,292	5,768	.....	.....
Jewelry	1909	1,537	1,846	4,799	30,347	36,992	11,204	63,811	5,838	18,358	36,675	80,350	43,675	37.4	51.0
	1904	1,023	1,436	2,603	22,080	26,119	7,872	39,679	2,939	12,593	24,177	53,226	29,049	7.9	15.4
	1899	851	.....	1,806	20,468	.....	6,656	27,872	1,842	10,644	22,235	46,129	23,894	.....	.....
Jewelry and instrument cases	1909	120	139	232	2,070	2,441	527	1,841	232	954	1,221	3,116	1,895	23.5	36.0
	1904	97	126	121	1,676	1,923	359	1,438	107	624	843	2,292	1,449	104.6	98.1
	1899	63	.....	52	819	.....	208	548	35	323	436	1,157	721	.....	.....
Kaolin and ground earths	1909	119	53	308	1,990	2,351	20,920	13,226	417	897	2,042	4,681	2,639	— 7.7	5.5
	1904	131	91	253	2,157	2,501	17,325	10,196	329	899	1,869	4,439	2,570	3.0	19.3
	1899	145	.....	232	2,094	.....	18,404	12,212	257	821	1,651	3,722	2,071	.....	.....

Labels and tags	1909	96	85	482	2,313	2,880	1,589	3,857	541	1,123	1,910	4,670	2,760	71.6	89.7
	1904	67	65	197	1,348	1,610	919	2,118	258	609	957	2,462	1,505	78.8	122.8
	1899	47	.....	96	754	.....	392	848	120	289	388	1,105	717	.....	.....
Lapidary work	1909	77	90	169	627	886	679	4,808	195	889	6,560	9,173	2,613	23.7	20.0
	1904	54	72	102	507	681	554	2,384	109	657	6,224	7,647	1,423	1.8	32.2
	1899	60	.....	43	498	.....	212	3,087	51	499	4,656	5,786	1,130	.....	.....
Lard, refined, not made in slaughtering and meat-packing establishments.	1909	7	6	110	399	515	723	1,434	108	180	9,631	10,326	695	— 9.5	68.5
	1904	9	10	77	441	528	598	1,163	108	219	5,640	6,129	489	—11.6	—29.0
	1899	19	.....	54	499	.....	714	1,336	80	238	7,497	8,631	1,134	.....	.....
Lasts	1909	60	47	254	1,728	2,029	3,386	3,061	412	1,203	1,324	4,159	2,835	43.0	65.0
	1904	55	59	186	1,208	1,453	2,865	2,009	223	798	768	2,520	1,752	6.8	34.0
	1899	65	.....	97	1,131	.....	1,951	1,485	108	650	527	1,880	1,353	.....	.....
Lead, bar, pipe, and sheet	1909	33	8	234	802	1,044	3,179	20,587	360	510	7,412	9,145	1,733	24.3	— 1.4
	1904	32	11	177	646	834	2,487	5,015	239	405	7,910	9,277	1,367	6.8	24.1
	1899	34	.....	151	605	.....	2,007	3,949	202	322	6,280	7,478	1,198	.....	.....
Leather goods	1909	2,375	2,552	6,066	34,907	43,525	28,148	69,814	6,701	17,921	60,027	104,719	44,692	2.1	27.5
	1904	1,918	2,148	4,171	34,189	40,508	16,257	50,919	4,148	15,707	44,435	82,121	37,686	16.8	35.9
	1899	1,568	.....	3,207	29,274	.....	10,947	33,895	2,829	11,892	33,195	60,414	27,219	.....	.....
Leather, tanned, curried, and finished.	1909	919	784	4,114	62,202	67,100	148,140	332,727	6,744	32,103	248,279	327,874	79,595	8.7	29.8
	1904	1,049	1,112	3,251	57,239	61,602	117,450	242,584	4,452	27,049	191,179	252,621	61,442	9.8	23.8
	1899	1,306	.....	2,442	52,109	.....	88,860	173,977	3,159	22,591	155,000	204,038	49,038	.....	.....
Lime[1]	1909	853	794	968	13,897	15,659	27,671	32,520	1,080	5,980	6,731	17,952	11,221	24.6	21.7
	1904	526	500	731	11,152	12,383	18,198	22,596	703	4,597	5,437	14,751	9,314	—41.6	—48.6
	1899	998	.....	1,406	19,085	.....	93,540	48,787	1,416	7,741	11,040	28,674	17,634	.....	.....
Liquors, distilled	1909	613	563	1,335	6,430	8,328	46,120	72,450	1,988	3,074	35,977	204,699	168,722	20.1	55.9
	1904	805	794	1,080	5,355	7,229	42,349	50,101	1,393	2,657	25,626	131,270	105,644	44.0	35.6
	1899	965	.....	661	3,720	.....	31,427	32,540	890	1,733	15,145	96,794	81,649	.....	.....
Liquors, malt	1909	1,414	639	11,507	54,579	66,725	347,726	671,158	22,804	41,206	96,596	374,730	278,134	13.4	25.6
	1904	1,530	876	9,055	48,137	58,068	266,159	515,630	17,316	34,541	74,907	298,346	223,439	22.0	25.9
	1899	1,507	.....	7,146	39,459	.....	197,901	413,767	13,038	25,776	51,598	236,915	185,317	.....	.....
Liquors, vinous	1909	290	236	579	1,911	2,726	6,771	27,908	863	972	6,626	13,121	6,495	— .1	18.2
	1904	435	396	492	1,913	2,801	6,713	17,775	573	1,002	5,693	11,098	5,405	64.5	69.5
	1899	359	.....	344	1,163	.....	3,416	9,838	365	446	3,689	6,547	2,858	.....	.....
Locomotives, not made by railroad companies.[2]	1909	16	7	2,029	14,909	16,945	35,102	52,060	2,297	8,914	15,060	31,582	16,522	—39.9	—47.0
	1904	15	9	1,164	24,806	25,979	29,806	38,421	1,675	15,798	27,703	59,552	31,849	.....	.....
Looking-glass and picture frames	1909	437	431	1,018	6,021	7,470	5,330	9,058	1,119	3,261	5,525	13,475	7,950	— 9.1	1.5
	1904	442	467	984	6,625	8,076	4,653	7,634	955	3,315	4,975	13,270	8,295	9.9	22.3
	1899	362	.....	884	6,029	.....	3,357	5,500	789	2,550	4,729	10,847	6,118	.....	.....

[1] Includes "Cement" and "Wall plaster" in 1899.

[2] Included in "Foundry and machine-shop products" in 1899.

No. 114.—SUMMARY OF MANUFACTURES, BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1899, 1904, AND 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	*Dolls.*	*Dollars*	*Dollars.*	*Dollars.*	*Dollars.*		
Lumber and timber products	1909	40,671	48,825	41,145	695,019	784,989	2,840,082	1,176,675	47,428	318,739	508,118	1,156,129	648,011	30.5	30.7
	1904	25,153	30,738	30,038	532,566	593,342	1,886,624	733,708	31,737	245,834	360,325	884,267	523,942	4.7	16.2
	1899	28,133	.....	20,940	508,766	.....	1,658,594	541,595	18,715	188,395	364,964	760,992	396,028	.....	.....
Malt	1909	114	52	425	1,760	2,237	26,441	60,286	884	1,348	30,464	38,252	7,788	−14.3	26.3
	1904	141	96	444	2,054	2,594	20,288	47,934	747	1,457	23,621	30,289	6,668	3.2	56.3
	1899	146	.....	290	1,990	.....	13,834	39,288	471	1,183	14,817	19,374	4,557	.....	.....
Marble and stone work[1]	1909	4,964	6,026	5,646	65,603	77,275	187,686	114,842	6,386	42,546	37,397	113,093	75,696	28.4	33.3
	1904	2,608	3,300	3,456	51,110	57,866	102,887	79,170	4,000	31,899	26,569	84,844	58,275	22.6	33.3
	1899	2,952	.....	2,606	41,686	.....	83,119	52,982	2,440	22,843	21,546	63,667	42,121	.....	.....
Matches	1909	26	46	543	3,631	4,220	6,224	11,953	723	1,390	4,599	11,353	6,754	14.0	101.0
	1904	23	7	176	3,185	3,368	3,539	5,334	178	1,101	3,285	5,647	2,362	55.6	− 6.0
	1899	22	.....	66	2,047	.....	2,666	3,893	87	613	3,421	6,006	2,585	.....	.....
Mats and matting	1909	12	18	85	937	1,040	1,433	4,051	95	385	1,067	2,432	1,365	49.9	95.7
	1904	12	13	58	625	696	1,524	839	67	249	574	1,243	669	−47.8	6.7
	1899	9	.....	42	1,197	.....	1,733	994	31	237	516	1,165	649	.....	.....
Mattresses and spring beds	1909	930	869	1,918	11,322	14,109	17,689	23,735	2,039	5,771	20,483	35,783	15,300	8.6	28.9
	1904	716	757	1,254	10,427	12,438	13,220	14,514	1,253	4,816	15,326	27,755	12,429	36.3	54.6
	1899	589	.....	851	7,649	.....	7,980	7,999	770	3,102	10,227	17,956	7,729	.....	.....
Millinery and lace goods	1909	1,579	1,934	5,166	39,201	46,301	7,918	35,705	5,381	16,308	45,040	85,894	40,854	42.5	69.2
	1904	860	1,163	2,754	27,500	31,417	4,737	17,850	2,296	10,307	26,259	50,778	24,519	63.0	72.3
	1899	591	.....	1,592	16,871	.....	1,852	10,765	1,393	5,818	15,654	29,469	13,815	.....	.....
Mineral and soda waters	1909	4,916	5,743	3,170	13,147	22,060	19,392	42,305	2,846	6,902	16,466	43,508	27,042	20.8	43.8
	1904	3,468	4,099	1,576	10,879	16,554	12,214	28,098	1,393	5,488	10,002	30,251	20,249	23.8	30.0
	1899	2,763	.....	1,423	8,788	.....	8,037	19,727	1,161	4,080	8,565	23,269	14,704	.....	.....
Mirrors	1909	148	131	384	2,994	3,509	3,862	4,890	450	1,763	5,905	9,571	3,666	13.0	25.9
	1904	119	117	302	2,649	3,068	2,795	3,859	332	1,375	4,587	7,605	3,018	3.7	− 5.0
	1899	103	.....	269	2,555	.....	2,333	3,184	277	1,232	4,996	8,004	3,008	.....	.....

Models and patterns, not including paper patterns.	1909	709	840	439	4,171	5,450	5,486	5,576	490	2,929	2,876	8,868	5,992	50.0	95.1
	1904	547	656	242	2,780	3,678	4,358	2,896	238	1,788	922	4,545	3,623	6.6	18.5
	1899	530	.....	118	2,607	.....	3,021	2,250	113	1,565	825	3,834	3,009	.....	.....
Moving pictures	1909	16	5	207	506	718	486	19,428	396	335	2,192	4,206	2,014	.....	.....
Mucilage and paste	1909	127	108	255	538	901	2,335	2,717	353	286	3,283	4,918	1,635	14.5	38.3
	1904	111	100	158	470	728	1,505	2,430	166	237	2,301	3,556	1,255	2.6	39.1
	1899	116	.....	166	458	.....	1,426	1,220	155	193	1,613	2,556	943	.....	.....
Musical instruments and materials, not specified.	1909	187	187	260	1,822	2,269	1,423	3,298	343	992	890	3,228	2,338	−14.8	− 7.3
	1904	181	190	225	2,139	2,554	1,603	3,743	252	1,162	1,130	3,482	2,352	−11.1	2.6
	1899	229	.....	158	2,405	.....	1,417	3,896	142	1,232	1,205	3,395	2,190	.....	.....
Musical instruments, pianos and organs and materials.	1909	507	297	3,565	38,020	41,882	41,623	103,234	5,552	22,762	43,765	89,790	46,025	14.9	35.9
	1904	444	303	2,722	33,081	36,106	30,134	68,482	3,728	18,527	27,987	66,093	38,106	55.2	61.1
	1899	390	.....	1,518	21,309	.....	20,789	43,810	2,015	11,543	17,371	41,024	23,653	.....	.....
Needles, pins, and hooks and eyes	1909	49	27	313	4,638	4,978	4,542	6,705	393	2,064	2,329	6,694	4,365	17.0	40.9
	1904	46	31	200	3,965	4,196	2,440	5,332	253	1,596	1,584	4,751	3,167	49.5	46.7
	1899	52	.....	135	2,653	.....	2,103	4,618	147	1,067	1,228	3,238	2,010	.....	.....
Oakum	1909	6	7	9	113	129	289	342	14	42	232	338	106	−20.4	− 6.4
	1904	6	5	11	142	158	367	488	14	49	241	361	120	−17.0	−18.0
	1899	7	.....	10	171	.....	375	416	17	51	284	440	156	.....	.....
Oil, castor	1909	4	4	12	54	70	385	1,038	27	32	661	905	244	25.6	40.7
	1904	4	.....	14	43	57	500	625	27	28	487	643	156	−12.2	62.8
	1899	3	.....	12	49	.....	260	539	17	29	293	395	102	.....	.....
Oil, cottonseed, and cake	1909	817	110	4,092	17,071	21,273	192,342	91,086	4,295	5,835	119,833	147,868	28,035	9.9	53.4
	1904	715	63	3,229	15,540	18,832	150,246	73,770	3,062	4,838	80,030	96,408	16,378	41.2	64.2
	1899	369	.....	1,569	11,007	.....	73,071	34,451	1,579	3,143	45,166	58,727	13,561	.....	.....
Oil, essential	1909	68	73	45	290	408	1,218	1,365	61	123	1,255	1,737	482	119.7	18.6
	1904	52	68	37	132	237	849	723	40	70	1,111	1,465	354	−21.4	80.2
	1899	47	.....	39	168	.....	1,048	576	25	61	589	813	224	.....	.....
Oil, linseed	1909	29	9	292	1,452	1,753	13,211	18,932	740	893	31,035	36,739	5,704	7.6	33.2
	1904	30	13	156	1,349	1,518	9,473	9,850	423	786	23,153	27,577	4,424	1.6	1.4
	1899	48	.....	285	1,328	.....	8,491	15,461	446	693	24,396	27,184	2,788	.....	.....
Oil, not elsewhere specified	1909	189	118	1,311	1,715	3,144	5,772	18,441	1,923	1,060	21,407	30,865	9,458	31.4	34.6
	1904	186	148	663	1,305	2,116	5,207	11,229	882	752	14,438	22,923	8,485	−10.4	23.2
	1899	201	.....	810	1,456	.....	3,432	9,889	991	738	10,975	18,612	7,637	.....	.....
Oilcloth and linoleum	1909	31	11	345	5,201	5,557	16,125	19,634	649	2,826	15,550	23,339	7,789	33.9	57.8
	1904	27	12	217	3,883	4,112	10,112	13,803	361	1,944	10,050	14,792	4,742	20.2	29.7
	1899	27	.....	153	3,230	.....	7,561	8,879	295	1,628	7,550	11,403	3,853	.....	.....

[1] Includes "Artificial stone" in 1899.

No. 114.—SUMMARY OF MANUFACTURES, BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1899, 1904, and 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	Dolls.	Dollars.	Dollars.	Dollars.	Dollars.		
Oleomargarine	1909	12	1	166	606	773	2,408	3,558	276	413	6,497	8,148	1,651	16.1	46.2
	1904	14	2	206	522	730	1,560	1,551	253	316	4,398	5,574	1,176	−51.8	−55.4
	1899	24	.....	394	1,084	.....	1,356	3,024	412	534	7,640	12,500	4,860	.....	.....
Optical goods	1909	217	163	1,248	6,398	7,809	5,725	10,147	1,157	3,394	4,187	11,735	7,548	47.8	91.8
	1904	122	96	316	4,330	4,742	3,410	5,381	427	1,923	2,320	6,117	3,797	16.6	17.4
	1899	91	.....	375	3,715	.....	2,544	4,212	287	1,599	2,101	5,211	3,110	.....	.....
Paint and varnish	1909	791	456	7,200	14,240	21,896	56,162	103,995	10,378	8,271	79,016	124,889	45,873	22.4	37.5
	1904	639	439	4,408	11,633	16,480	41,288	75,486	5,677	6,264	59,827	90,840	31,013	20.0	30.6
	1899	600	.....	3,710	9,697	.....	30,443	60,053	5,017	4,926	44,739	69,562	24,823	.....	.....
Paper and wood pulp	1909	777	250	5,245	75,978	81,473	1,304,265	409,348	9,510	40,805	165,442	267,657	102,215	15.2	41.8
	1904	761	309	3,778	65,964	70,051	1,093,708	277,444	6,097	32,019	111,252	188,715	77,463	32.9	48.2
	1899	763	.....	2,935	49,646	.....	762,118	167,508	4,501	20,746	70,530	127,326	56,796	.....	.....
Paper goods, not elsewhere specified	1909	403	228	2,946	19,211	22,385	27,067	48,662	3,701	8,169	31,249	55,171	23,922	30.5	62.5
	1904	308	236	1,734	14,726	16,696	16,226	27,345	1,993	5,577	19,645	33,946	14,301	51.4	39.4
	1899	246	.....	1,092	9,727	.....	10,421	18,152	1,342	3,658	14,191	24,355	10,164	.....	.....
Paper patterns	1909	27	22	812	921	1,755	751	4,578	675	407	646	2,611	1,965	−14.9	15.3
	1904	26	15	693	1,082	1,790	38	2,237	490	445	337	2,265	1,928	29.6	303.0
	1899	15	.....	92	835	.....	9	256	72	262	125	562	437	.....	.....
Patent medicines and compounds and druggists' preparations	1909	3,642	2,802	15,404	22,895	41,101	25,659	99,942	17,007	9,897	50,376	141,942	91,566	11.8	20.9
	1904	2,777	2,293	9,483	20,472	32,248	17,008	75,607	9,975	7,913	39,494	117,436	77,942	7.6	32.3
	1899	2,154	.....	8,094	19,028	.....	12,707	56,173	8,265	6,910	31,950	88,791	56,841	.....	.....
Paving materials	1909	49	31	281	1,419	1,731	5,757	11,410	373	750	3,478	6,229	2,751	−26.1	23.8
	1904	54	30	157	1,919	2,106	5,156	5,218	197	953	2,666	5,033	2,367	−21.2	27.9
	1899	99	.....	173	2,436	.....	34,397	13,464	184	1,144	1,582	3,936	2,354	.....	.....
Peanuts, grading, roasting, cleaning, and shelling.[1]	1909	46	35	193	1,949	2,177	2,827	3,646	209	351	8,612	9,737	1,125	43.7	34.1
	1904	30	18	116	1,356	1,490	1,602	1,169	122	205	6,324	7,261	937	.....	.....

Pencils, lead	1909	11	4	375	4,134	4,513	3,448	7,867	697	1,712	3,596	7,379	3,783	34.9	66.7
	1904	8	3	283	3,065	3,351	2,625	4,981	396	1,059	1,804	4,426	2,622	41.8	99.2
	1899	7	.....	81	2,162	.....	1,360	2,227	112	683	1,031	2,222	1,191	.....	.....
Pens, fountain, stylographic and gold.	1909	65	51	544	1,225	1,820	569	3,121	554	712	2,246	4,739	2,493	31.3	70.8
	1904	49	39	224	933	1,196	349	1,545	198	533	1,166	2,774	1,608	34.1	62.6
	1899	45	.....	146	696	.....	527	1,087	148	371	664	1,706	1,042	.....	.....
Pens, steel	1909	5	.....	56	699	755	244	804	86	230	95	577	482	5.4	21.7
	1904	5	1	72	663	736	294	576	60	205	103	474	371	40.2	61.2
	1899	3	.....	13	473	.....	138	357	21	138	52	294	242	.....	.....
Petroleum, refining	1909	147	42	2,669	13,929	16,640	90,268	181,916	3,929	9,830	199,273	236,998	37,725	−16.9	35.4
	1904	98	24	1,974	16,770	18,768	46,019	136,281	2,724	9,989	139,387	175,005	35,618	37.4	41.2
	1899	67	.....	1,201	12,199	.....	36,127	95,328	1,811	6,717	102,859	123,929	21,070	.....	.....
Phonographs and graphophones	1909	18	2	727	5,199	5,928	6,371	14,363	945	2,841	3,099	11,726	8,627	53.0	14.5
	1904	14	6	537	3,397	3,940	2,522	8,741	666	1,684	4,161	10,237	6,076	168.1	355.8
	1899	11	.....	144	1,267	.....	1,082	3,348	179	608	828	2,246	1,418	.....	.....
Photographic apparatus and materials.	1909	103	59	1,342	5,195	6,596	8,637	18,918	1,462	3,037	6,708	22,561	15,853	36.3	73.2
	1904	130	74	1,155	3,812	5,041	5,061	7,720	1,109	1,796	4,162	13,023	8,861	10.7	67.0
	1899	153	.....	469	3,444	.....	3,412	5,518	453	1,443	3,378	7,799	4,421	.....	.....
Photo-engraving	1909	313	233	1,701	5,343	7,277	2,638	5,474	1,849	4,750	2,134	11,624	9,490	37.8	59.9
	1904	223	227	968	3,876	5,071	1,925	4,071	934	2,916	1,303	7,268	5,965	44.0	73.5
	1899	203	.....	484	2,691	.....	1,040	1,994	450	1,750	725	4,190	3,465	.....	.....
Pipes, tobacco	1909	62	70	245	2,775	3,090	1,506	3,528	283	1,255	2,459	5,312	2,853	42.5	87.4
	1904	68	82	82	1,947	2,111	1,058	1,256	81	831	1,354	2,834	1,480	22.8	14.6
	1899	98	.....	120	1,585	.....	855	1,111	109	738	1,106	2,472	1,366	.....	.....
Pottery, terra-cotta, and fire-clay products.	1909	822	452	4,402	56,168	61,022	110,017	141,350	5,813	29,753	21,911	76,119	54,208	7.1	18.6
	1904	873	550	3,752	52,428	56,730	104,918	110,926	4,628	25,178	16,591	64,201	47,610	19.9	45.0
	1899	1,000	.....	2,777	43,714	.....	75,802	65,952	3,012	17,692	11,915	44,263	32,348	.....	.....
Printing and publishing	1909	31,445	30,424	99,608	258,434	388,466	297,763	588,346	103,458	164,628	201,775	737,876	536,101	18.0	33.6
	1904	27,793	28,368	68,592	219,087	316,047	166,380	432,854	67,748	127,196	142,514	552,473	409,959	12.2	39.8
	1899	23,814	.....	40,685	195,260	.....	119,775	333,003	39,475	99,816	103,654	395,187	291,533	.....	.....
Pulp goods	1909	14	1	98	783	882	3,125	2,680	124	377	971	1,770	799	12.5	20.7
	1904	17	7	56	696	759	2,368	3,198	83	284	719	1,467	748	.7	15.8
	1899	22	.....	75	691	.....	1,314	2,317	92	284	647	1,267	620	.....	.....
Pumps, not including steam pumps	1909	102	87	400	2,136	2,623	4,214	6,018	420	1,258	2,487	5,583	3,096	52.1	95.7
	1904	115	113	204	1,404	1,721	2,569	3,230	215	719	1,193	2,853	1,660	122.2	112.6
	1899	130	.....	95	632	.....	1,245	1,261	84	247	638	1,342	704	.....	.....
Rice, cleaning and polishing	1909	71	38	500	1,239	1,777	19,519	13,347	613	564	19,501	22,371	2,870	−17.0	37.3
	1904	74	33	436	1,492	1,961	15,866	8,821	549	641	13,315	16,297	2,982	129.2	86.8
	1899	80	.....	169	651	.....	7,546	2,601	182	266	7,576	8,724	1,148	.....	.....

[1] Included in "Coffee and spice, roasting and grinding," in 1899.

No. 114.—SUMMARY OF MANUFACTURES, BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1899, 1904, AND 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	*Dolls.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*		
Roofing materials	1909	117	46	1,019	2,465	3,530	9,431	15,349	1,381	1,339	12,458	19,204	6,746	−72.0	− 3.4
	1904	307	314	1,029	8,819	10,162	23,022	16,925	1,162	4,008	10,842	19,871	9,029	16.1	45.1
	1899	267	.....	695	7,593	.....	18,217	10,814	663	3,072	6,386	13,691	6,805	.....	.....
Rubber goods, not elsewhere specified.	1909	227	102	4,661	26,521	31,284	79,062	98,507	5,406	14,120	82,192	128,436	46,244	25.2	103.9
	1904	224	103	2,364	21,184	23,651	48,381	46,298	2,857	9,412	38,912	62,996	24,084	3.8	19.7
	1899	261	.....	1,825	20,404	.....	40,835	39,302	2,216	8,082	33,482	52,622	19,140	.....	.....
Rules, ivory and wood	1909	9	9	9	109	127	167	104	11	51	31	144	113	−26.8	−42.2
	1904	13	13	15	149	177	318	253	15	55	55	249	194	−30.0	19.7
	1899	11	.....	14	213	.....	303	203	12	67	73	208	135	.....	.....
Safes and vaults	1909	42	8	709	3,343	4,060	5,546	8,944	1,058	2,072	3,443	8,491	5,048	− 4.2	8.0
	1904	31	15	415	3,488	3,918	4,090	7,326	723	2,162	3,211	7,861	4,650	71.6	100.1
	1899	35	.....	272	2,033	.....	2,209	5,480	283	1,017	1,689	3,928	2,239	.....	.....
Salt	1909	124	74	570	4,936	5,580	27,263	29,012	719	2,531	5,203	11,328	6,125	5.8	20.0
	1904	146	87	418	4,666	5,171	19,434	25,586	487	2,066	4,166	9,438	5,272	− 2.3	18.5
	1899	159	.....	406	4,774	.....	23,865	27,123	500	1,911	3,336	7,967	4,631	.....	.....
Sand and emery paper and cloth	1909	10	9	159	611	779	3,351	4,400	210	370	2,382	4,358	1,976	100.3	195.1
	1904	8	11	40	305	356	1,133	1,206	78	183	1,055	1,477	422	11.3	25.6
	1899	9	.....	63	274	.....	898	1,372	98	144	681	1,176	495	.....	.....
Saws	1909	96	84	841	4,832	5,757	11,852	14,855	966	2,856	4,912	11,536	6,624	3.9	17.5
	1904	83	75	576	4,650	5,301	7,491	11,288	623	2,707	4,036	9,820	5,784	44.6	52.4
	1899	96	.....	312	3,215	.....	5,493	8,509	329	1,693	2,600	6,444	3,844	.....	.....
Scales and balances	1909	87	44	672	3,559	4,275	6,183	10,183	815	2,186	2,704	8,786	6,082	13.6	46.4
	1904	85	77	431	3,133	3,641	3,251	8,513	477	1,755	1,633	6,003	4,370	12.9	14.6
	1899	86	.....	305	2,775	.....	2,466	6,308	297	1,437	1,533	5,240	3,707	.....	.....
Screws, machine	1909	43	32	164	1,667	1,863	3,319	3,728	199	970	1,160	3,014	1,854	−15.2	11.1
	1904	26	15	209	1,965	2,189	3,201	4,133	244	942	951	2,712	1,761	26.2	31.7
	1899	25	.....	108	1,557	.....	1,407	2,467	126	703	797	2,059	1,262	.....	.....

Screws, wood	1909	11	1	293	3,464	3,758	5,618	9,570	375	1,454	2,309	6,199	3,890	132.8	190.5
	1904	7	1	158	1,488	1,647	3,715	5,969	193	556	732	2,134	1,402	−24.5	−17.9
	1899	8	.....	139	1,970	.....	3,490	5,465	169	721	923	2,600	1,677	.....	.....
Sewing machines, cases, and attachments.	1909	47	14	1,246	19,296	20,556	19,426	33,104	1,423	11,102	11,455	28,262	16,807	12.7	8.1
	1904	54	19	924	17,121	18,064	17,162	32,583	1,152	9,493	10,701	26,142	15,441	28.1	23.7
	1899	64	.....	704	13,365	.....	10,069	20,804	933	7,331	9,458	21,125	11,667	.....	.....
Shipbuilding, including boat building	1909	1,353	1,463	2,980	40,506	44,949	88,063	126,118	4,035	25,268	31,214	73,360	42,146	−20.2	−11.4
	1904	1,097	1,190	2,480	50,754	54,424	78,127	121,624	3,340	29,241	37,463	82,769	45,306	8.6	11.1
	1899	1,107	.....	1,405	46,747	.....	61,797	77,341	2,007	24,825	33,475	74,532	41,057	.....	.....
Shoddy	1909	88	83	196	2,041	2,320	13,820	6,837	290	907	5,001	7,446	2,445	− 2.3	−11.4
	1904	97	110	172	2,089	2,371	12,244	5,804	245	835	6,056	8,406	2,350	8.5	24.9
	1899	105	.....	139	1,926	.....	11,455	5,273	167	749	4,875	6,731	1,856	.....	.....
Show cases	1909	149	154	399	3,390	3,943	4,746	5,369	505	2,017	3,140	7,167	4,027	10.0	25.3
	1904	141	135	305	3,082	3,522	4,087	3,143	330	1,681	2,374	5,722	3,348	126.1	131.8
	1899	102	.....	106	1,363	.....	1,232	1,153	88	708	1,058	2,468	1,410	.....	.....
Signs and advertising novelties [1]	1909	288	211	1,526	5,540	7,277	3,790	9,647	1,476	3,105	4,709	13,546	8,837	.....	.....
Silk and silk goods, including throwsters.	1909	852	664	5,537	99,037	105,238	97,947	152,158	7,527	38,570	107,767	196,912	89,145	24.4	47.7
	1904	624	525	4,027	79,601	84,153	71,760	109,557	4,742	26,768	75,861	133,288	57,427	21.7	24.3
	1899	483	.....	2,657	65,416	.....	57,397	81,082	3,134	20,982	62,407	107,256	44,849	.....	.....
Silverware and plated ware	1909	183	114	2,050	16,610	18,774	15,183	46,759	2,745	10,282	18,332	42,229	23,897	11.8	28.6
	1904	158	120	1,324	14,861	16,305	12,873	37,732	1,730	8,625	14,459	32,840	18,381	21.8	25.8
	1899	169	.....	1,129	12,205	.....	8,486	30,628	1,457	6,531	11,659	26,114	14,455	.....	.....
Slaughtering and meat packing	1909	1,641	1,659	17,329	89,728	108,716	208,707	383,249	20,054	51,645	1,201,828	1,370,568	168,740	19.0	48.6
	1904	1,221	1,324	12,096	75,399	88,819	119,311	240,419	13,453	41,067	811,426	922,038	110,612	8.9	17.0
	1899	1,080	.....	10,317	69,264	.....	87,060	190,209	10,211	33,846	685,310	788,368	103,058	.....	.....
Smelting and refining, copper	1909	38	7	1,197	15,628	16,832	158,126	111,443	2,419	13,396	333,532	378,806	45,274	22.6	57.3
	1904	40	1	809	12,752	13,562	76,524	76,825	1,527	10,827	196,737	240,780	44,043	12.6	45.8
	1899	47	.....	488	11,324	.....	61,630	53,063	955	8,529	122,174	165,132	42,958	.....	.....
Smelting and refining, lead	1909	28	.....	635	7,424	8,059	26,954	132,310	1,476	5,431	151,963	167,406	15,443	− 2.0	− 9.9
	1904	32	5	524	7,573	8,102	25,667	63,823	888	5,375	168,958	185,827	16,869	− 9.0	5.9
	1899	39	.....	425	8,319	.....	16,342	72,149	755	5,089	144,195	175,466	31,271	.....	.....
Smelting and refining, zinc	1909	29	3	498	6,655	7,156	21,457	27,760	993	4,210	25,230	34,206	8,976	1.9	38.0
	1904	31	2	354	6,528	6,884	18,404	23,702	581	3,856	17,028	24,791	7,763	34.1	36.3
	1899	31	.....	208	4,869	.....	11,145	14,142	440	2,356	13,286	18,188	4,902	.....	.....
Smelting and refining, not from the ore.	1909	89	73	376	2,147	2,596	10,705	13,834	570	1,281	23,162	28,072	4,910	25.4	61.3
	1904	65	57	225	1,712	1,994	17,111	9,807	354	995	13,760	17,403	3,643	74.2	123.5
	1899	61	.....	203	983	.....	8,633	5,201	229	532	5,900	7,785	1,885	.....	.....

[1] Included in other classifications in 1904 and 1899.

No. 114.—SUMMARY OF MANUFACTURES, BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1899, 1904, AND 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
								Dollars.	*Dolls.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*		
Soap [1]	1909	420	329	5,065	12,999	18,393	28,360	71,951	5,506	6,227	72,179	111,358	39,179	17.7	63.1
	1904	436	399	3,058	11,044	14,501	20,228	54,816	3,503	4,763	43,626	68,275	24,649	16.4	28.3
	1899	558	.....	2,738	9,487	.....	17,514	38,068	2,777	3,755	33,143	53,231	20,088	.....	.....
Soda-water apparatus	1909	63	40	562	1,797	2,399	2,894	8,589	624	1,239	2,443	6,556	4,113	22.3	41.5
	1904	37	27	333	1,469	1,829	1,533	3,415	296	835	1,924	4,634	2,710	52.5	53.7
	1899	30	.....	227	963	.....	1,183	4,202	244	550	997	3,015	2,018	.....	.....
Sporting and athletic goods	1909	180	155	517	5,321	5,993	3,243	6,617	617	2,165	5,565	11,052	5,487	24.9	57.2
	1904	152	136	361	4,260	4,757	2,995	4,249	319	1,641	2,963	7,032	4,069	91.5	93.8
	1899	143	.....	168	2,225	.....	1,133	2,015	167	810	1,802	3,628	1,826	.....	.....
Springs, steel, car and carriage	1909	54	24	353	3,196	3,573	7,349	8,784	590	1,853	4,727	9,005	4,278	29.1	56.9
	1904	52	28	270	2,476	2,774	5,510	4,016	353	1,243	2,742	5,741	2,999	17.8	.9
	1899	48	.....	166	2,102	.....	3,185	4,684	275	1,061	3,025	5,690	2,665	.....	.....
Stationery goods, not elsewhere specified.	1909	153	103	1,629	6,206	7,938	6,842	13,508	1,897	2,736	7,744	16,647	8,903	44.5	87.7
	1904	143	115	685	4,295	5,095	3,396	6,929	751	1,500	3,920	8,867	4,947	41.7	75.0
	1899	113	.....	453	3,032	.....	1,706	4,495	412	958	2,128	5,066	2,938	.....	.....
Statuary and art goods [2]	1909	194	275	198	1,699	2,172	462	2,221	225	1,339	680	3,442	2,762	12.7	42.4
	1904	135	191	114	1,507	1,812	466	1,669	127	1,030	392	2,417	2,025	.....	.....
Steam packing	1909	153	82	1,238	3,648	4,968	11,129	14,126	1,356	1,811	6,650	12,160	5,510	33.4	35.8
	1904	106	56	450	2,734	3,240	8,846	12,253	594	1,273	3,896	8,952	5,056	138.4	156.2
	1899	97	.....	290	1,147	.....	4,488	2,691	326	525	1,546	3,494	1,948	.....	.....
Stereotyping and electrotyping	1909	174	133	678	2,850	3,661	4,076	3,826	800	2,312	1,765	6,384	4,619	6.4	27.6
	1904	146	132	490	2,679	3,301	2,878	3,208	517	1,993	1,052	5,005	3,973	11.3	32.7
	1899	140	.....	330	2,408	.....	1,470	2,389	312	1,459	767	3,772	3,005	.....	.....
Stoves and furnaces, including gas and oil stoves. [3]	1909	576	244	5,547	37,130	42,921	45,524	86,944	6,975	22,944	29,338	78,853	49,515	11.2	26.9
	1904	494	306	3,582	33,404	37,292	32,017	62,953	4,499	19,770	22,271	62,133	39,862	.....	.....

Sugar and molasses, not including beet sugar.[4]	1909	233	204	1,928	13,526	15,658	160,603	153,167	2,392	7,484	247,583	279,249	31,666	— .2	.7
	1904	344	364	1,886	13,549	15,799	140,650	165,468	2,154	7,576	244,753	277,285	32,532	— 4.1	15.7
	1899	657	.....	1,867	14,129	.....	152,569	184,033	1,682	6,918	221,385	239,711	18,326	.....	.....
Sulphuric, nitric, and mixed acids [5]	1909	42	.....	330	2,252	2,582	6,494	18,726	551	1,495	5,386	9,884	4,498	— 8.0	9.2
	1904	32	2	308	2,447	2,757	5,416	12,762	556	1,505	4,973	9,053	4,080	.....	.....
Surgical appliances and artificial limbs.	1909	324	316	1,248	4,241	5,805	5,752	11,045	1,488	2,129	5,372	12,399	7,027	34.5	70.6
	1904	284	289	607	3,153	4,049	3,214	5,825	594	1,376	2,866	7,269	4,403	76.3	55.3
	1899	306	.....	440	1,788	.....	1,254	2,778	414	767	1,418	4,682	3,264	.....	.....
Tin plate and terneplate	1909	31	4	490	5,352	5,846	8,154	10,995	620	3,315	41,889	47,970	6,081	10.4	36.0
	1904	36	1	284	4,847	5,132	8,990	10,813	310	2,383	31,376	35,283	3,907	32.0	10.6
	1899	57	.....	333	3,671	.....	3,515	6,650	291	1,890	26,728	31,892	5,164	.....	.....
Tin foil	1909	10	8	71	683	762	1,699	2,505	92	304	2,277	3,419	1,142	—10.8	22.3
	1904	14	11	70	766	847	1,388	1,918	86	303	1,888	2,795	907	31.6	75.5
	1899	15	.....	45	582	.....	854	2,094	59	228	1,074	1,593	519	.....	.....
Tobacco manufactures	1909	15,822	17,634	13,193	166,810	197,637	28,514	245,660	16,779	69,355	177,186	416,695	239,509	4.6	25.8
	1904	16,827	19,011	9,235	159,406	187,652	24,604	323,982	8,800	62,639	126,086	331,111	205,025	20.3	25.6
	1899	14,959	.....	7,836	132,526	.....	22,296	111,517	8,593	47,975	92,867	263,713	170,846	.....	.....
Toys and games	1909	226	185	582	5,305	6,072	5,323	6,541	661	2,227	3,554	8,264	4,710	22.5	48.2
	1904	161	133	329	4,330	4,792	4,757	4,831	366	1,615	2,289	5,578	3,289	30.6	39.1
	1899	169	.....	204	3,316	.....	3,155	3,279	184	1,119	1,665	4,010	2,345	.....	.....
Turpentine and rosin	1909	1,585	2,567	2,446	39,511	44,524	4,129	12,401	1,655	9,363	4,911	25,295	20,384	18.4	5.7
	1904	1,287	1,997	2,147	33,382	37,526	1,175	6,961	1,152	8,383	3,775	23,937	20,162	—20.3	17.7
	1899	1,503	.....	1,889	41,864	.....	866	11,848	779	8,394	6,186	20,345	14,159	.....	.....
Type-founding and printing materials	1909	122	78	493	2,026	2,597	1,948	6,793	560	1,191	1,772	4,703	2,931	12.4	19.5
	1904	98	84	368	1,803	2,255	1,497	5,926	387	1,123	1,119	3,935	2,816	— 9.1	.1
	1899	92	.....	247	1,984	.....	1,331	3,175	274	1,036	1,270	3,931	2,661	.....	.....
Typewriters and supplies	1909	89	34	2,489	9,578	12,101	6,845	26,309	2,707	6,221	4,077	19,719	15,642	53.7	85.3
	1904	66	29	1,248	6,232	7,509	4,455	16,642	1,246	3,469	1,870	10,640	8,770	43.3	53.5
	1899	47	.....	532	4,340	.....	2,272	8,400	480	2,404	1,402	6,932	5,530	.....	.....
Umbrellas and canes	1909	256	299	734	5,472	6,505	2,413	9,556	915	2,253	10,056	15,864	5,808	1.6	19.3
	1904	204	242	527	5,386	6,155	2,122	8,951	474	1,826	8,250	13,296	5,046	— 4.5	— 2.7
	1899	202	.....	587	5,640	.....	1,457	4,605	504	1,869	8,381	13,669	5,288	.....	.....
Upholstering materials	1909	230	214	496	4,067	4,777	17,456	10,297	587	1,689	8,069	13,054	4,985	—13.7	3.0
	1904	236	244	449	4,712	5,405	15,604	9,293	526	1,867	7,977	12,678	4,701	— 7.6	26.2
	1899	270	.....	358	5,098	.....	11,351	7,594	364	1,715	5,882	10,048	4,166	.....	.....
Vault lights and ventilators	1909	37	27	99	327	453	234	607	109	228	338	957	619	47.3	97.7
	1904	24	28	28	222	278	174	241	31	154	161	484	323	60.9	43.2
	1899	14	.....	11	138	.....	103	121	13	81	141	338	197	.....	.....

[1] Includes "Candles" in 1899.
[2] Included in other classifications in 1899.
[3] Included in "Foundry and machine-shop products" in 1899.
[4] Includes 214 establishments reported as "Sugar and molasses" and 19 as "Sugar and molasses, refining, not including beet sugar," in 1909.
[5] Included in "Chemicals" in 1899.

No. 114.—Summary of Manufactures, by Specified Industries, Calendar Years 1899, 1904, and 1909—Continued.

Industry.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture (value of products less cost of materials).	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								Expressed in thousands.							
Vinegar and cider	1909	963	1,050	481	1,542	3,073	16,681	*Dollars.* 10,879	*Dolls.* 539	*Dollars.* 723	*Dollars.* 4,964	*Dollars.* 8,448	*Dollars.* 3,484	0.9	16.3
	1904	568	645	341	1,528	2,514	10,556	7,520	359	725	3,852	7,265	3,413	— 1.9	22.5
	1899	613	.....	451	1,557	.....	16,849	5,630	391	652	3,134	5,932	2,798	.....	.....
Wall paper	1909	45	10	699	4,037	4,746	5,680	14,153	1,054	2,039	7,623	14,449	6,826	3.2	14.3
	1904	44	15	497	3,913	4,425	4,867	12,354	692	1,868	6,658	12,637	5,979	— 6.2	18.5
	1899	51	.....	512	4,172	.....	4,573	8,890	817	2,074	6,073	10,663	4,590	.....	.....
Wall plaster [1]	1909	198	60	773	4,791	5,624	25,892	16,885	1,049	2,391	6,007	12,804	6,797	27.5	26.0
	1904	176	72	629	3,758	4,459	20,054	13,204	620	1,890	4,726	10,164	5,438	.....	.....
Washing machines and clothes wringers.	1909	100	76	383	1,835	2,294	3,351	5,318	466	904	2,837	5,825	2,988	13.1	51.7
	1904	92	68	171	1,622	1,861	3,564	2,952	148	684	2,213	3,839	1,626	7.5	2.8
	1899	118	.....	104	1,509	.....	2,732	2,405	104	549	2,175	3,735	1,560	.....	.....
Waste	1909	53	41	191	1,897	2,129	4,286	6,125	290	716	8,837	11,398	2,561	21.7	36.6
	1904	41	41	116	1,559	1,716	3,863	3,586	164	495	6,825	8,343	1,518	42.9	71.0
	1899	25	.....	58	1,091	.....	2,193	2,437	85	327	4,000	4,880	880	.....	.....
Wheelbarrows	1909	24	17	94	664	775	1,486	1,510	81	321	715	1,625	910	13.7	37.9
	1904	26	12	69	584	665	1,282	1,045	76	296	494	1,178	684	81.9	159.5
	1899	15	.....	31	321	.....	762	514	27	127	180	454	274	.....	.....
Whips	1909	57	90	310	1,546	1,946	1,321	3,900	323	704	1,585	3,949	2,364	— .5	25.5
	1904	58	43	174	1,554	1,771	1,068	3,368	184	603	1,253	3,147	1,894	20.7	15.1
	1899	60	.....	228	1,287	.....	818	1,894	246	478	1,278	2,734	1,456	.....	.....
Windmills	1909	34	18	387	2,337	2,742	3,301	5,636	479	1,403	3,331	6,677	3,346	21.2	39.2
	1904	53	25	387	1,929	2,341	3,694	5,837	392	969	2,308	4,795	2,487	— 5.7	10.1
	1899	68	.....	281	2,045	.....	2,214	4,309	250	940	2,172	4,354	2,182	.....	.....
Window shades and fixtures	1909	219	194	646	3,930	4,770	5,737	10,334	807	1,918	12,653	18,571	5,918	49.8	107.9
	1904	144	132	409	2,624	3,165	2,705	5,977	480	1,086	5,947	8,931	2,984	45.7	10.6
	1899	96	.....	292	1,801	.....	1,927	5,184	323	752	5,575	8,072	2,497	.....	.....

Wire	1909	56	15	1,846	18,084	19,945	71,959	60,157	2,199	10,316	60,543	84,486	23,943	281.8	122.8
	1904	25	7	581	4,737	5,325	25,856	14,899	793	2,859	30,063	37,914	7,851	195.5	302.4
	1899	29	.....	94	1,603	.....	9,979	4,242	136	860	7,014	9,421	2,407	.....	.....
Wirework, including wire rope and cable.	1909	611	484	2,162	12,348	14,994	20,131	34,970	2,674	6,331	24,394	41,938	17,544	— 7.7	26.9
	1904	649	652	1,936	13,379	15,967	18,280	26,894	2,117	6,100	17,856	33,038	15,182	46.3	66.5
	1899	596	.....	995	9,142	.....	12,772	16,345	940	3,894	10,813	19,840	9,027	.....	.....
Wood distillation, not including turpentine and rosin.[2]	1909	120	56	318	2,721	3,095	9,854	13,017	355	1,463	5,876	9,737	3,861	19.8	24.6
	1904	141	82	301	2,272	2,655	4,620	10,507	298	1,067	4,848	7,813	2,965	.....	.....
Wood carpet	1909	10	9	28	184	221	269	423	33	138	228	490	262	—50.7	—38.8
	1904	20	22	50	373	445	473	330	45	269	351	801	450	—38.7	—24.2
	1899	31	.....	49	608	.....	534	412	35	362	418	1,057	639	.....	.....
Wood preserving	1909	53	1	471	2,403	2,875	10,647	12,408	517	1,066	9,328	14,099	4,771	226.1	318.6
	1904	26	7	115	737	859	3,439	2,935	158	315	2,463	3,368	905	54.2	40.6
	1899	21	.....	54	478	.....	1,007	1,230	57	205	1,825	2,396	571	.....	.....
Wood, turned and carved	1909	1,050	1,097	1,007	14,139	16,243	48,447	18,334	1,045	6,213	9,744	22,199	12,455	— 3.7	10.1
	1904	1,097	1,226	924	14,687	16,837	47,595	16,842	829	6,031	8,578	20,169	11,591	27.1	40.9
	1899	1,166	.....	565	11,558	.....	31,133	10,280	488	4,371	5,830	14,318	8,488	.....	.....
Wool pulling	1909	37	37	91	631	759	1,366	3,248	132	387	4,103	5,181	1,078	— 7.3	487.4
	1904	34	40	65	681	786	1,324	2,534	74	365	104	882	778	43.4	66.1
	1899	34	.....	35	475	.....	820	945	35	248	54	531	477	.....	.....
Wool scouring	1909	28	18	102	1,142	1,262	6,782	3,258	143	558	2,122	3,289	1,167	46.6	212.3
	1904	27	18	55	779	852	3,478	1,188	78	398	215	1,053	838	8.2	18.3
	1899	25	.....	45	720	.....	2,900	1,061	72	339	194	890	696	.....	.....
Woolen, worsted, and felt goods, and wool hats.	1909	985	732	5,722	168,722	175,176	362,209	430,579	10,097	72,427	282,878	435,979	153,101	15.0	36.5
	1904	1,074	958	4,593	146,755	152,306	288,969	314,081	6,781	57,073	204,613	319,348	114,735	12.3	28.4
	1899	1,281	.....	3,808	130,697	.....	244,825	265,730	5,574	46,812	153,930	248,798	94,868	.....	.....
All other industries[3]	1909	8	11	25	96	132	136	254	39	67	115	390	275	—78.0	—63.1
	1904	15	8	50	436	494	1,767	3,860	59	263	386	1,058	672	—64.1	—60.1
	1899	17	.....	97	1,215	.....	2,354	4,078	113	687	988	2,650	1,662	.....	.....
Total	1909	268,491	273,265	790,267	6,615,046	7,678,578	18,680,776	18,428,270	938,575	3,427,038	12,141,791	20,672,052	8,530,261	21.0	39.7
	1904	216,180	225,673	519,556	5,468,383	6,213,612	13,487,707	12,675,581	574,439	2,610,445	8,500,208	14,793,903	6,293,695	16.0	29.7
	1899	207,514	.....	364,120	4,712,763	.....	10,097,893	8,975,256	380,771	2,008,361	6,575,851	11,406,927	4,831,076	.....	.....

[1] Included in "Lime" in 1899.

[2] Included in "Chemicals" in 1899.

[3] Includes the following industries, with number of establishments indicated: "Millstones," 1; "Ordnance and accessories," 2; "Pulp, from fiber other than wood," 2; "Straw goods, not elsewhere specified," 2; and "Whalebone cutting," 1, in 1909. "Millstones," 2; "Ordnance and accessories," 4; "Pulp, from fiber other than wood," 1; "Straw goods, not elsewhere specified," 6; and "Whalebone cutting," 2, in 1904. "Millstones," 3; "Ordnance and accessories," 4; "Pulp, from fiber other than wood," 3; "Straw goods, not elsewhere specified," 4; and "Whalebone cutting," 3, in 1899.

No. 115.—SUMMARY OF MANUFACTURES: BY STATES AND GEOGRAPHIC DIVISIONS, 1899, 1904, AND 1909.

[Source: Reports of the Bureau of the Census, Department of Commerce and Labor. Primary horsepower includes primary power generated in manufacturing establishments, plus electric and other power rented from outside sources; it does not include electric power generated by primary units of establishments reporting. A minus sign (−) indicates decrease.]

State.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								1,000 dollars.	*1,000 dollars.*	*1,000 dollars.*	*1,000 dollars.*	*1,000 dollars.*	*1,000 dollars.*		
Alabama	1909	3,398	3,769	6,055	72,148	81,972	357,837	173,180	6,565	27,284	83,442	145,962	62,520	16.0	33.7
	1904	1,882	1,948	3,763	62,173	67,884	293,185	105,383	3,867	21,878	60,458	109,170	48,712	18.0	51.4
	1899	2,000	.....	2,259	52,711	.....	173,208	60,166	2,059	14,912	37,998	72,110	34,112	.....	.....
Arizona	1909	311	261	500	6,441	7,202	39,140	32,873	798	5,505	33,600	50,257	16,657	34.4	79.0
	1904	169	133	291	4,793	5,217	21,412	14,396	472	3,969	14,595	28,083	13,488	53.3	37.4
	1899	154	.....	205	3,126	.....	8,537	9,517	269	2,287	7,877	20,439	12,562	.....	.....
Arkansas	1909	2,925	3,455	3,293	44,982	51,730	173,088	70,174	3,461	19,113	34,935	74,916	39,981	35.9	39.1
	1904	1,907	2,140	2,328	33,089	37,557	109,509	46,306	2,310	14,544	21,799	53,865	32,066	5.0	35.0
	1899	1,746	.....	1,549	31,525	.....	79,560	25,385	1,262	10,184	18,288	39,888	21,600	.....	.....
California	1909	7,659	8,077	18,203	115,296	141,576	329,100	537,134	22,955	84,142	325,238	529,761	204,523	14.9	44.3
	1904	6,839	7,402	12,283	100,355	120,040	210,359	282,647	14,399	64,657	215,726	367,218	151,492	30.0	42.7
	1899	4,997	.....	6,877	77,224	.....	126,953	175,468	7,495	39,890	164,894	257,386	92,492	.....	.....
Colorado	1909	2,034	1,722	4,326	28,067	34,115	154,615	162,668	5,648	19,912	80,491	130,044	49,553	28.7	29.9
	1904	1,606	1,398	2,677	21,813	25,888	124,907	107,664	3,549	15,100	63,114	100,144	37,030	11.9	12.4
	1899	1,323	.....	1,870	19,498	.....	43,434	58,173	2,059	11,708	60,751	89,068	28,317	.....	.....
Connecticut	1909	4,251	3,468	19,611	210,792	233,871	400,275	517,546	25,637	110,119	257,259	490,272	233,013	16.1	32.8
	1904	3,477	2,918	13,523	181,605	198,046	304,204	373,283	17,040	87,942	191,302	369,082	177,780	13.7	17.1
	1899	3,382	.....	9,258	159,733	.....	256,331	299,207	11,755	73,394	169,672	315,106	145,434	.....	.....
Delaware	1909	726	722	2,024	21,238	23,984	52,779	60,906	2,322	10,296	30,938	52,840	21,902	15.0	28.4
	1904	631	641	1,451	18,475	20,567	49,490	50,926	1,629	8,158	24,884	41,160	16,276	−10.2	−.4
	1899	633	.....	1,189	20,562	.....	40,134	38,791	1,337	8,457	24,725	41,321	16,596	.....	.....
District of Columbia	1909	518	475	1,576	7,707	9,758	16,563	30,553	1,846	4,989	10,247	25,289	15,042	22.4	37.7
	1904	482	473	1,006	6,299	7,778	12,592	20,200	1,207	3,659	7,732	18,359	10,627	2.3	11.8
	1899	491	.....	957	6,155	.....	10,255	17,961	872	3,023	7,475	16,426	8,951	.....	.....
Florida	1909	2,159	2,712	4,625	57,473	64,810	89,816	65,291	4,955	22,982	26,128	72,890	46,762	36.5	44.9
	1904	1,413	1,769	3,125	42,091	46,985	43,413	32,972	2,670	15,767	16,532	50,298	33,766	18.7	47.1
	1899	1,275	.....	1,781	35,471	.....	36,356	25,682	1,299	10,916	12,847	34,184	21,337	.....	.....

Georgia	1909	4,792	5,141	8,307	104,588	118,036	298,241	202,778	9,062	34,805	116,970	202,863	85,893	12.8	34.3
	1904	3,219	3,512	6,104	92,749	102,365	220,419	135,211	5,927	27,393	83,625	151,040	67,415	11.3	59.8
	1899	3,015	.....	3,815	83,336	.....	136,499	79,303	3,204	19,958	49,356	94,532	45,176	.....	.....
Idaho	1909	725	831	858	8,220	9,909	42,804	32,477	984	5,498	9,920	22,400	12,480	168.5	155.4
	1904	364	371	359	3,061	3,791	16,987	9,689	379	2,059	4,069	8,769	4,700	97.2	192.2
	1899	287	.....	92	1,552	.....	5,649	2,130	66	818	1,439	3,001	1,562	.....	.....
Illinois	1909	18,026	17,357	77,923	465,764	561,044	1,013,071	1,548,171	91,449	273,319	1,160,927	1,919,277	758,350	22.8	36.1
	1904	14,921	13,990	54,521	379,436	447,947	741,555	975,845	60,560	208,405	840,057	1,410,342	570,285	14.0	25.8
	1899	14,374	.....	40,964	332,871	.....	559,347	732,830	40,549	159,104	681,450	1,120,868	439,418	.....	.....
Indiana	1909	7,969	7,674	23,605	186,984	218,263	633,377	508,717	26,305	95,510	334,375	579,075	244,700	21.3	47.0
	1904	7,044	7,191	14,862	154,174	176,227	380,758	312,071	15,029	72,058	220,507	393,954	173,447	10.9	16.9
	1899	7,128	.....	10,447	139,017	.....	325,919	219,321	9,971	59,280	195,163	337,072	141,909	.....	.....
Iowa	1909	5,528	5,323	11,402	61,635	78,360	155,384	171,219	10,972	32,542	170,707	259,238	88,531	24.6	61.4
	1904	4,785	4,758	7,122	49,481	61,361	118,065	111,428	5,948	22,997	102,844	160,572	57,728	11.4	20.8
	1899	4,828	.....	5,159	44,420	.....	106,664	85,668	4,233	18,021	85,779	132,871	47,092	.....	.....
Kansas	1909	3,435	3,571	6,863	44,215	54,649	213,141	156,090	7,351	25,904	258,884	325,104	66,220	24.3	64.0
	1904	2,475	2,766	3,721	35,570	42,057	99,441	88,680	3,693	18,833	156,510	198,245	41,735	31.2	28.7
	1899	2,299	.....	3,612	27,119	.....	68,242	59,458	3,123	12,802	120,738	154,009	33,271	.....	.....
Kentucky	1909	4,776	5,050	8,610	65,400	79,060	230,224	172,779	9,603	27,888	111,779	223,754	111,975	9.4	40.1
	1904	*3,734*	*4,108*	*5,853*	*59,794*	*69,755*	*174,625*	*147,282*	*5,371*	*24,439*	*86,545*	*159,754*	*73,209*	*15.6*	*26.3*
	1899	3,648	.....	4,356	51,735	.....	144,161	87,996	4,185	18,454	67,406	126,509	59,103	.....	.....
Louisiana	1909	2,516	2,295	8,103	76,165	86,563	346,652	221,816	9,008	33,336	134,865	223,949	89,084	36.4	20.2
	1904	2,091	1,899	5,977	55,859	63,735	251,963	150,811	6,044	25,316	117,035	186,380	69,345	36.6	67.3
	1899	1,826	.....	3,576	40,878	.....	190,182	100,875	2,934	14,725	75,404	111,398	35,994	.....	.....
Maine	1909	3,546	3,661	4,860	79,955	88,476	459,599	202,260	5,797	37,632	97,101	176,029	78,928	6.7	22.2
	1904	3,145	3,379	3,772	74,958	82,109	343,627	143,708	3,989	32,692	80,042	144,020	63,978	7.2	27.5
	1899	2,878	.....	3,103	69,914	.....	259,232	114,008	3,051	25,731	61,210	112,959	51,749	.....	.....
Maryland	1909	4,837	5,376	12,192	107,921	125,489	218,244	251,227	13,617	45,436	199,049	315,669	116,620	14.6	29.7
	1904	3,852	4,505	8,624	94,174	107,303	165,449	201,878	8,844	36,144	150,024	243,376	93,352	(1)	15.3
	1899	3,886	.....	6,741	94,170	.....	132,052	149,155	6,845	32,414	129,355	211,076	81,721	.....	.....
Massachusetts	1909	11,684	11,194	48,646	584,559	644,399	1,175,071	1,279,687	63,279	301,174	830,765	1,490,529	659,764	19.7	32.6
	1904	10,723	11,258	32,824	488,399	532,481	938,007	965,949	39,654	232,389	626,411	1,124,092	497,681	11.4	23.8
	1899	10,929	.....	25,256	438,234	.....	796,061	781,868	29,480	195,278	498,655	907,627	408,972	.....	.....
Michigan	1909	9,159	8,965	30,607	231,499	271,071	598,288	583,947	34,870	118,968	368,612	685,109	316,497	2.1	59.7
	1904	7,446	7,732	17,235	175,229	200,196	440,890	337,894	17,470	81,279	230,081	429,120	199,039	12.5	34.2
	1899	7,310	.....	13,350	155,800	.....	368,497	246,996	12,336	62,532	175,966	319,692	143,726	.....	.....
Minnesota	1909	5,561	5,376	14,263	84,767	104,406	297,670	275,416	15,451	47,471	281,622	409,420	127,798	21.7	33.0
	1904	4,756	4,524	9,141	69,636	83,301	220,934	184,903	9,033	35,843	210,554	307,858	97,304	7.9	37.6
	1899	4,096	.....	6,625	64,557	.....	180,124	133,077	6,064	29,029	150,299	223,693	73,394	.....	.....
Mississippi	1909	2,598	2,974	3,403	50,384	56,761	206,222	72,393	3,654	18,768	36,926	80,555	43,629	30.2	40.2
	1904	1,520	1,588	2,688	38,690	42,966	110,338	50,256	2,598	14,819	25,801	57,451	31,650	44.4	70.4
	1899	1,294	.....	1,260	26,799	.....	65,738	22,712	1,093	7,910	16,543	33,718	17,175	.....	.....

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

No. 115.—SUMMARY OF MANUFACTURES, BY STATES AND GEOGRAPHIC DIVISIONS, 1899, 1904, AND 1909—Continued.

State.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								1,000 dollars.	*1,000 dollars.*	*1,000 dollars.*	*1,000 dollars.*	*1,000 dollars.*	*1,000 dollars.*		
Missouri	1909	8,375	8,226	24,486	152,993	185,705	340,467	444,343	28,994	80,843	354,411	574,111	219,700	14.9	30.6
	1904	6,464	6,299	17,119	133,167	156,585	247,861	379,369	19,002	66,644	252,258	439,549	187,291	23.6	39.0
	1899	6,853	.....	12,474	107,704	.....	189,117	223,781	13,295	46,714	184,189	316,304	132,115	.....	.....
Montana	1909	677	659	1,380	11,655	13,694	90,402	44,588	2,054	10,901	49,180	73,272	24,092	30.1	10.3
	1904	382	334	905	8,957	10,196	46,736	52,590	1,506	8,652	40,930	66,415	25,485	−9.1	25.9
	1899	395	.....	508	9,854	.....	43,679	38,225	786	7,377	30,068	52,745	22,677	.....	.....
Nebraska	1909	2,500	2,522	5,108	24,336	31,966	64,466	99,901	5,491	13,948	151,081	199,019	47,938	20.1	28.5
	1904	1,819	1,904	3,192	20,260	25,356	46,372	80,235	3,075	11,022	124,052	154,918	30,866	8.5	18.9
	1899	1,695	.....	2,296	18,669	.....	41,825	65,906	2,107	8,842	95,925	130,302	34,377	.....	.....
Nevada	1909	177	137	256	2,257	2,650	7,765	9,806	378	1,982	8,366	11,887	3,521	181.4	283.9
	1904	115	108	106	802	1,016	2,834	2,892	126	694	1,628	3,096	1,468	59.1	145.5
	1899	99	.....	37	504	.....	1,561	1,251	34	353	662	1,261	599	.....	.....
New Hampshire	1909	1,961	2,014	3,519	78,658	84,191	293,991	139,990	4,191	36,200	98,157	164,581	66,424	20.3	33.1
	1904	1,618	1,726	2,666	65,366	69,758	218,344	109,495	2,972	27,693	73,216	123,611	50,395	−3.4	14.9
	1899	1,771	.....	2,068	67,646	.....	200,975	92,146	2,200	25,850	60,163	107,591	47,428	.....	.....
New Jersey	1909	8,817	8,204	36,838	326,223	371,265	612,293	977,172	48,337	169,710	720,034	1,145,529	425,495	22.5	47.9
	1904	7,010	6,730	23,196	266,336	296,262	436,274	715,060	28,957	128,169	470,449	774,369	303,920	24.5	40.0
	1899	6,415	.....	15,361	213,975	.....	322,503	477,301	19,058	95,165	334,726	553,006	218,280	.....	.....
New Mexico	1909	313	288	335	4,143	4,766	15,465	7,743	383	2,591	3,261	7,898	4,637	19.1	38.4
	1904	199	189	224	3,478	3,891	5,948	4,638	264	2,153	2,236	5,706	3,470	39.7	40.5
	1899	174	.....	88	2,490	.....	3,658	2,161	91	1,199	1,999	4,061	2,062	.....	.....
New York	1909	44,935	47,569	151,691	1,003,981	1,203,241	1,997,662	2,779,497	186,032	557,231	1,856,904	3,369,490	1,512,586	17.2	35.4
	1904	37,194	41,766	98,012	856,947	996,725	1,516,592	2,031,460	111,145	430,015	1,348,603	2,488,346	1,139,743	17.9	32.9
	1899	35,957	.....	68,030	726,909	.....	1,099,931	1,523,503	76,740	337,324	1,018,377	1,871,831	853,454	.....	.....
North Carolina	1909	4,931	5,451	6,529	121,473	133,453	378,556	217,185	6,903	34,355	121,861	216,656	94,795	42.3	52.0
	1904	3,272	3,731	4,072	85,339	93,142	216,622	141,001	3,795	21,375	79,268	142,521	63,253	18.0	67.1
	1899	3,465	.....	2,894	72,322	.....	154,467	68,283	2,395	14,052	44,854	85,274	40,420	.....	.....

North Dakota	1909	752	723	636	2,789	4,148	13,196	11,585	629	1,787	13,674	19,137	5,463	58.9	87.3
	1904	507	494	296	1,755	2,545	9,873	5,704	258	1,032	7,096	10,218	3,122	29.2	63.2
	1899	337	.....	152	1,358	.....	7,351	3,512	130	671	4,151	6,260	2,109	.....	.....
Ohio	1909	15,138	14,719	61,351	446,934	523,004	1,583,155	1,300,733	72,147	245,450	824,202	1,437,936	613,734	22.7	49.7
	1904	13,785	13,657	39,991	364,298	417,946	1,116,932	856,989	43,435	182,429	527,637	960,812	433,175	18.2	28.3
	1899	13,868	.....	28,109	308,109	.....	783,665	570,909	28,151	136,428	409,303	748,671	339,368	.....	.....
Oklahoma	1909	2,310	2,698	2,193	13,143	18,034	71,139	38,873	2,045	7,240	34,153	53,682	19,529	140.9	119.5
	[1]1904	1,123	1,187	813	5,456	7,456	29,608	16,124	718	2,799	16,394	24,459	8,065	129.1	200.7
	[1]1899	495	.....	269	2,381	.....	11,572	4,054	219	894	5,430	8,134	2,704	.....	.....
Oregon	1909	2,246	2,499	3,473	28,750	34,722	175,019	89,082	4,047	19,902	49,552	93,005	43,453	55.2	67.5
	1904	1,602	1,726	1,769	18,523	22,018	81,348	44,023	2,133	11,443	30,597	55,525	24,928	28.1	51.7
	1899	1,406	.....	1,143	14,459	.....	60,005	28,359	1,222	6,822	20,789	36,593	15,804	.....	.....
Pennsylvania	1909	27,563	29,743	94,885	877,543	1,002,171	2,921,547	2,749,006	110,897	455,627	1,582,560	2,626,742	1,044,182	15.0	34.3
	1904	23,495	26,029	66,081	763,282	855,392	2,302,398	1,995,837	73,269	367,961	1,142,943	1,955,551	812,608	15.0	18.5
	1899	23,462	.....	43,935	663,960	.....	1,716,694	1,449,815	46,145	296,876	958,301	1,649,882	691,581	.....	.....
Rhode Island	1909	1,951	1,721	7,382	113,538	122,641	226,740	290,901	10,577	55,234	158,192	280,344	122,152	16.7	38.7
	1904	1,617	1,561	5,420	97,318	104,299	181,017	215,901	7,041	43,113	112,872	202,110	89,238	10.3	22.1
	1899	1,678	.....	4,022	88,197	.....	153,619	176,901	5,300	35,995	87,952	165,550	77,598	.....	.....
South Carolina	1909	1,854	1,737	3,257	73,046	78,040	276,378	173,221	3,756	20,361	66,351	113,236	46,885	22.9	42.7
	1904	1,399	1,241	2,389	59,441	63,071	197,479	113,422	2,355	13,869	49,969	79,376	29,407	26.4	48.8
	1899	1,369	.....	1,419	47,025	.....	112,697	62,750	1,307	9,130	30,486	53,336	22,850	.....	.....
South Dakota	1909	1,020	942	682	3,602	5,226	17,666	13,018	616	2,297	11,476	17,870	6,394	44.5	36.6
	1904	686	649	441	2,492	3,582	11,154	7,585	294	1,422	8,697	13,086	4,389	12.0	37.3
	1899	624	.....	288	2,224	.....	11,775	6,051	175	1,130	6,484	9,530	3,046	.....	.....
Tennessee	1909	4,609	5,415	8,417	73,340	87,672	242,277	167,924	9,186	28,251	104,016	180,217	76,201	21.9	30.6
	1904	3,175	3,805	4,910	60,572	69,287	175,780	102,440	5,081	22,806	79,352	137,961	58,609	31.8	48.7
	1899	3,116	.....	3,329	45,963	.....	130,318	63,140	3,048	14,727	54,559	92,749	38,190	.....	.....
Texas	1909	4,588	4,496	9,849	70,230	84,575	282,471	216,876	10,868	37,907	178,178	272,896	94,718	43.1	81.3
	1904	3,158	3,073	5,753	49,066	57,892	164,637	115,665	6,118	24,469	91,604	150,528	58,924	27.1	62.0
	1899	3,107	.....	2,861	38,604	.....	116,157	63,655	2,919	16,912	54,388	92,894	38,506	.....	.....
Utah	1909	749	688	1,660	11,785	14,133	42,947	52,627	1,966	8,400	41,266	61,989	20,723	46.4	59.2
	1904	606	619	979	8,052	9,650	19,397	26,004	1,039	5,158	24,940	38,927	13,987	48.8	116.5
	1899	575	.....	599	5,413	.....	12,674	13,219	501	2,763	11,440	17,982	6,542	.....	.....
Vermont	1909	1,958	2,113	2,679	33,788	38,580	159,445	73,470	2,803	17,272	34,823	68,310	33,487	2.1	8.3
	1904	1,699	1,856	2,053	33,106	37,015	140,616	62,659	2,103	15,221	32,430	63,084	30,654	17.5	22.5
	1899	1,938	.....	1,695	28,179	.....	126,124	43,500	1,610	11,426	26,385	51,515	25,130	.....	.....
Virginia	1909	5,685	6,570	8,551	105,676	120,797	283,928	216,392	9,101	38,154	125,583	219,794	94,211	31.6	47.7
	1904	3,187	3,643	4,970	80,285	88,898	176,998	147,989	4,875	27,943	83,649	148,857	65,208	21.2	37.0
	1899	3,186	.....	3,828	66,223	.....	136,696	92,300	3,630	20,274	59,360	108,644	49,284	.....	.....
Washington	1909	3,674	3,264	7,734	69,120	80,118	297,897	222,261	9,827	49,766	117,888	220,746	102,858	52.9	71.4
	1904	2,751	2,602	3,658	45,199	51,459	168,342	96,953	4,093	30,087	66,166	128,822	62,656	43.4	81.9
	1899	1,926	.....	2,103	31,523	.....	87,601	41,575	2,064	17,065	38,277	70,831	32,554	.....	.....

[1] Includes Indian Territory.

No. 115.—Summary of Manufactures, by States and Geographic Divisions, 1899, 1904, and 1909—Continued.

State.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.		
West Virginia	1909	2,586	2,599	4,971	63,893	71,463	222,896	150,922	5,710	33,000	92,878	161,949	69,071	46.0	63.5
	1904	2,109	2,230	2,892	43,758	48,880	138,578	86,821	2,899	21,153	54,419	99,041	44,622	32.3	47.8
	1899	1,824	.....	1,744	33,080	.....	91,894	49,103	1,519	12,640	37,228	67,007	29,779	.....	.....
Wisconsin	1909	9,721	8,556	22,287	182,583	213,426	554,179	605,657	25,737	93,905	346,356	590,305	243,949	20.6	43.6
	1904	8,558	7,961	14,220	151,391	173,572	440,234	412,647	15,498	71,472	227,255	411,140	183,885	10.1	25.8
	1899	7,841	.....	10,480	137,525	.....	364,380	286,061	10,493	55,696	185,695	326,753	141,058	.....	.....
Wyoming	1909	268	263	263	2,867	3,393	7,628	6,195	311	2,081	2,608	6,249	3,641	56.3	77.4
	1904	169	150	179	1,834	2,163	3,604	2,696	206	1,261	1,301	3,523	2,222	—11.0	7.8
	1899	139	.....	87	2,060	.....	3,820	2,048	91	1,209	1,370	3,268	1,898	.....	.....
Total	1909	268,491	273,265	790,267	6,615,046	7,678,578	18,680,776	18,428,270	938,575	3,427,038	12,141,791	20,672,052	8,530,261	21.0	39.7
	1904	216,180	225,673	519,556	5,468,383	6,213,612	13,487,707	12,675,581	574,439	2,610,445	8,500,208	14,793,903	6,293,695	16.0	29.7
	1899	207 514	.....	364,120	4,712,763	.....	10,097,893	8,975,256	380,771	2,008,361	6,575,851	11,406,927	4,831,076	.....	.....
Geographic divisions.[1]															
New England	1909	25,351	24,171	86,697	1,101,290	1,212,158	2,715,121	2,503.854	112,284	557,631	1,476,297	2,670,065	1,193,768	17.1	31.8
	1904	22,279	22,698	60,258	940,752	1,023,708	2,125,815	1,870,995	72,799	439,050	1,116,273	2,025,999	909,726	10.4	22.0
	1899	22,576	.....	45,402	851,903	.....	1,792,342	1,507,630	53,396	367,674	904,037	1,660,348	756,311	.....	.....
Middle Atlantic	1909	81,315	85,516	283,414	2,207,747	2,576,677	5,531,502	6,505,675	345,266	1,182,568	4,159,498	7,141,761	2,982,263	17.0	36.9
	1904	67,699	74,525	187.289	1,886,565	2,148,379	4,255,264	4,742,357	213,371	926,145	2,961,995	5,218,266	2,256,271	17.6	28.1
	1899	65,834	.....	127,326	1,604,844	.....	3,139,128	3,450,619	141,943	729,365	2,311,404	4,074,719	1,763,315	.....	.....
East North Central	1909	60,013	57,271	215,773	1,513,764	1,786,808	4,382,070	4,547,225	250,508	827,152	3,034,472	5,211,702	2,177,230	23.6	44.6
	1904	51,754	50,531	140,829	1,224,528	1,415,888	3,120,369	2,895,446	151,992	615,643	2,045,537	3,605,368	1,559,831	14.1	26.4
	1899	50,521	.....	103,350	1,073,322	.....	2,401,808	2,056,117	101,500	473,040	1,647,577	2,853,056	1,205,479	.....	.....
West North Central	1909	27,171	26,683	63,440	374,337	464,460	1,101,990	1,171,572	69,504	204,792	1,241,855	1,803,899	562,044	19.8	40.4
	1904	21,492	21,394	41,032	312,361	374,787	753,700	857,904	41,303	157,843	862,011	1,284,446	422,435	17.4	32.0
	1899	20,732	.....	30,606	266,051	.....	605,098	577,453	29,127	117,209	647,565	972,969	325,404	.....	.....

South Atlantic	1909	28,088	30,783	52,032	663,015	745,830	1,837,401	1,368,475	57,272	244,378	790,005	1,381,186	591,181	26.9	41.8
	1904	19,564	21,745	34,633	522,611	578,989	1,221,040	930,420	34,201	175,461	550,102	974,028	423,926	14.0	36.8
	1899	19,144	.....	24,368	458,344	.....	851,050	583,328	22,408	130,864	395,686	711,800	316,114	.....	.....
East South Central	1909	15,381	17,208	26,485	261,772	305,465	1,036,560	586,276	29,008	102,191	336,163	630,488	294,325	18.3	35.8
	1904	10,311	11,449	17,214	221,229	249,892	753,928	405,361	17,417	83,942	252,156	464,336	212,180	24.8	42.8
	1899	10,058	.....	11,204	177,208	.....	513,425	234,014	10,385	56,003	176,506	325,086	148,580	.....	.....
West South Central	1909	12,339	12,944	23,438	204,520	240,902	873,350	547,739	25,382	97,646	382,131	625,443	243,312	42.6	50.6
	1904	8,279	8,299	14,871	143,470	166,640	555,717	328,906	15,190	67,128	246,832	415,232	168,400	26.5	64.6
	1899	7,174	.....	8,255	113,388	.....	397,471	193,969	7,334	42,715	153,510	252,314	98,804	.....	.....
Mountain	1909	5,254	4,849	9,578	75,435	89,862	400,766	348,977	12,522	56,870	228,692	363,996	135,304	42.9	42.9
	1904	3,610	3,302	5,720	52,790	61,812	241,825	220,569	7,541	39,046	152,813	254,663	101,850	18.6	32.8
	1899	3,146	.....	3,486	44,497	.....	123,012	126,724	3,897	27,714	115,606	191,825	76,219	.....	.....
Pacific	1909	13,579	13,840	29,410	213,166	256,416	802,016	848,477	36,829	153,810	492,678	843,512	350,834	29.9	52.9
	1904	11,192	11,730	17,710	164,077	193,517	460,049	423,623	20,625	106,187	312,489	551,565	239,076	33.2	51.2
	1899	8,329	.....	10,123	123,206	.....	274,559	245,402	10,781	63,777	223,960	364,810	140,850	.....	.....

[1] For States included in each division, see note 5, p. 38.

No. 116.—MANUFACTURES: CLASSIFIED ACCORDING TO SIZE OF CITIES IN WHICH LOCATED, 1899 AND 1909.

[Source: Bureau of the Census, Department of Commerce and Labor.]

Item.	Census year.	Cities having a population of 10,000 and over.								Districts outside of cities having a population of 10,000 and over.		Aggregate.
		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.		Total.				
		Amount.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.	
Number of establishments....	1899	15,463	7.5	20,133	9.7	67,308	32.4	102,904	49.6	104,610	50.4	207,514
	1909	18,936	7.1	27,061	10.1	89,775	33.4	135,772	50.6	132,719	49.4	268,491
Average number of wage earners.	1899	524,900	11.1	766,446	16.3	1,752,246	37.2	3,043,592	64.6	1,669,171	35.4	4,712,763
	1909	678,467	10.3	1,126,253	17.0	2,511,922	38.0	4,316,642	65.3	2,298,404	34.7	6,615,046
Value of products.....	1899	$1,052,639,594	9.2	$1,841,503,437	16.1	$4,968,799,788	43.6	$7,862,942,819	68.9	$3,543,983,882	31.1	$11,406,926,701
	1909	$1,946,703,215	9.4	$3,582,403,574	17.3	$8,735,772,018	42.3	$14,264,878,807	69.0	$6,407,173,063	31.0	$20,672,051,870
Value added by manufacture.	1899	$458,679,363	9.5	$772,606,873	16.0	$2,145,680,856	44.4	$3,376,967,092	69.9	$1,454,108,118	30.1	$4,831,075,210
	1909	$802,166,297	9.4	$1,431,622,446	16.8	$3,773,166,722	44.2	$6,006,955,465	70.4	$2,523,305,527	29.6	$8,530,260,992
Population.....	1900	4,297,118	5.7	5,509,965	7.3	14,208,347	18.7	24,015,430	31.6	51,979,145	68.4	75,994,575
	1910	5,495,594	6.0	8,204,960	8.9	20,302,138	22.1	34,002,692	37.0	57,969,574	63.0	91,972,266

No. 117.—MINERAL PRODUCTION: Quantities and Values of Specified Kinds, Calendar Years 1906 to 1910.

[Source: Reports of United States Geological Survey, Department of the Interior.]

Product.	1906		1907		1908		1909		1910	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
METALLIC.		*Dollars.*		*Dollars.*		*Dollars.*		*Dollars.*		*Dollars.*
Pig iron, spot value[1] ..... long tons[2]	[3]25,307,191	505,700,000	[3]25,781,361	529,958,000	[3]15,936,018	254,321,000	[3]25,795,471	419,175,000	[3]27,303,567	425,115,235
Silver, commercial value[4] ..... fine troy ounces	56,517,900	38,256,400	56,514,700	37,299,700	52,440,800	28,050,600	54,721,500	28,455,200	57,137,900	30,854,590
Gold, coining value[5] ..... do	4,565,333	94,373,800	4,374,827	90,435,700	4,574,340	94,560,000	4,821,701	99,673,400	4,657,018	96,269,100
Copper, value at New York City[6] ..... pounds	917,805,682	177,595,888	868,996,491	173,799,300	942,570,721	124,419,335	1,092,951,624	142,083,711	1,080,159,509	137,180,257
Lead, value at New York City[6] ..... short tons[2]	350,153	39,917,442	365,166	38,707,596	310,762	26,104,008	354,188	30,460,168	372,227	32,755,976
Zinc, value at St. Louis ..... do	199,694	24,362,668	223,745	26,401,910	190,749	17,980,406	230,225	24,864,300	252,479	27,267,732
Quicksilver, value at San Francisco ..... flasks[7]	26,238	958,634	21,567	828,931	19,752	824,146	21,075	957,859	20,601	958,153
Aluminum, value at Pittsburgh ..... pounds	[8]14,910,000	4,262,286	[8]17,211,000	4,926,948	[8]11,152,000	2,434,600	[8]34,210,000	6,575,000	47,734,000	8,955,700
Antimony, value at San Francisco[9] ..... short tons[2]	1,766	602,949	351	77,300	.....	.....	.....	.....	.....	.....
Antimonial lead ..... do	.....	.....	9,910	1,322,985	13,629	1,264,771	12,896	1,231,019	14,069	1,338,090
Tin ..... pounds	[10]	35,600	[10]	33,285	[10]	.....	[10]	4,832	[10]	23,447
Platinum (crude), value at New York City,[11] ounces troy	1,439	45,189	357	10,589	750	14,250	638	15,950	773	25,277
Total value of metallic products	.....	886,110,856	.....	903,802,244	.....	549,923,116	.....	753,496,439	.....	760,743,467
NONMETALLIC (SPOT VALUES[1]).										
Bituminous coal[12] ..... short tons[2]	342,874,867	381,162,115	394,759,112	451,214,842	332,573,944	374,135,268	379,744,257	405,486,777	417,111,142	469,281,719
Pennsylvania anthracite ..... long tons[2]	63,645,010	131,917,694	76,432,421	163,584,056	74,347,102	158,178,849	72,384,249	149,181,587	75,433,246	160,275,302
Stone[13]	.....	66,378,794	.....	71,105,805	.....	65,712,499	.....	71,345,199	.....	76,520,584
Petroleum ..... barrels[14]	126,493,936	92,444,735	166,095,335	120,106,749	178,527,355	129,079,184	183,170,874	128,328,487	209,556,048	127,896,328
Natural gas	.....	46,873,932	.....	54,222,399	.....	54,640,374	.....	63,206,941	.....	70,756,158

[1] By "spot" value is meant value at the point of production.

[2] "Long" tons, 2,240 avoirdupois pounds; "short" tons, 2,000 pounds.

[3] Iron ore—1905: 42,526,133 long tons; value at mines, $75,165,604. 1906: 47,749,728 long tons; value at mines, $100,597,106. 1907: 51,720,619 long tons; value at mines, $131,996,147. 1908: 35,983,336 long tons; value at mines, $81,845,904. 1909: 51,294,271 long tons; value at mines, $110,290,596. 1910: 56,889,734 long tons; value at mines, $140,735,607.

[4] Average price per troy ounce in 1906 was 67 cents; in 1907, 66 cents; in 1908, 53 cents; in 1909, 52 cents; in 1910, 54 cents.

[5] Coining value, $20.671834625823.

[6] The product from domestic ores only.

[7] Of 75 avoirdupois pounds net.

[8] Consumption.

[9] Includes antimony smelted from imported ores and antimony contained in hard lead, prior to 1907.

[10] In 1906, 2,500 pounds of metallic tin, 45 short tons of concentrates from Alaska, and 14 short tons from North Carolina and South Carolina. In 1907, about 89 short tons of concentrates. In 1908, no production. In 1909, about 17 short tons of stream tin from Alaska were shipped to England. In 1910, 42,000 pounds of metallic tin from South Dakota and Texes, 16 tons of ore and concentrates from Alaska and North Carolina.

[11] Included under "Unspecified."

[12] Including brown coal and lignite, and anthracite mined elsewhere than in Pennsylvania.

[13] Including limestone for iron flux, but not including grindstones.

[14] Of 42 gallons.

No. 117.—Mineral Production: Quantities and Values of Specified Kinds, Calendar Years 1906 to 1910—Continued.

Product.	1906		1907		1908		1909		1910	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
NONMETALLIC (SPOT VALUES)—continued.										
		Dollars.		*Dollars.*		*Dollars.*		*Dollars.*		*Dollars.*
Peat						133,000		127,042		140,209
Clay products[1]		161,032,722		158,942,369		133,197,762		166,321,213		170,115,974
Cement ..... barrels[2]	51,000,445	55,302,277	52,230,342	55,903,851	52,910,925	44,477,653	66,689,715	53,610,563	77,785,141	68,752,092
Lime ..... short tons[3]	3,198,087	12,480,653	3,092,524	12,656,705	2,766,873	11,091,186	3,484,974	13,876,072	3,481,780	13,894,962
Sand-lime brick		1,170,005		1,225,769		1,029,699		1,150,580		1,169,153
Slate		5,668,346		6,019,220		6,316,817		5,441,418		6,236,759
Mineral waters ..... gallons sold	48,108,580	8,028,387	52,060,520	7,331,503	55,868,820	6,712,680	64,674,486	6,894,134	62,030,125	6,357,590
Phosphate rock ..... long tons[3]	2,080,957	8,579,437	2,265,345	10,653,558	2,386,138	11,399,124	2,330,152	10,772,120	2,654,988	10,917,000
Salt ..... barrels[4]	28,172,380	6,658,350	29,704,128	7,608,323	28,822,062	7,553,632	30,107,646	8,343,831	30,305,656	7,900,344
Zinc oxide ..... short tons[3]	74,680	5,999,375	71,784	6,490,660	56,292	5,072,460	68,974	6,156,755	59,333	5,325,636
Gypsum ..... do	1,540,585	3,837,975	1,751,748	4,942,264	1,721,829	4,075,824	2,252,785	5,906,738	2,379,057	6,523,029
Lithium minerals ..... short tons[3]	383	7,411	530	11,000	203	1,550		(5)		(5)
Borax, crude ..... do	58,173	1,182,410	52,850	1,121,520	25,000	975,000	41,434	1,534,365	42,357	1,201,842
Arsenious oxide ..... pounds	1,474,000	63,460	3,502,000	163,000		(5)	2,428,000	52,946	2,994,000	52,305
Mineral paints[6] ..... short tons[3]	69,971	2,165,808	75,566	2,984,935	69,244	2,367,723	78,771	2,373,805	85,685	2,174,735
Grindstones		744,894		896,022		536,095		804,051		796,294
Fibrous talc ..... short tons[3]	61,672	557,200	67,800	626,000	70,739	697,390	48,536	359,957	71,710	728,180
Asphaltum ..... do	138,059	1,290,340	223,861	2,826,489	193,382	2,057,881	228,655	2,138,273	260,080	3,080,067
Talc and soapstone ..... do	58,972	874,356	72,010	905,047	46,615	703,832	81,802	862,002	79,006	864,213
Gems and precious stones		[7] 589,000		[7] 735,800		415,063		534,380		295,797
Pyrite ..... long tons[3]	261,422	931,305	247,387	794,949	222,598	857,113	247,070	1,028,157	238,154	958,608
Corundum and emery ..... short tons[3]	1,160	44,310	1,069	12,294	669	8,745	1,580	18,185	1,028	15,077
Abrasive quartz and feldspar ..... do	24,082	121,671	(8)		(8)		(8)			
Oilstones, etc		268,070		264,188		217,284		214,019		228,694
Garnet (abrasive) ..... short tons[3]	4,650	157,000	7,058	211,686	1,996	64,620	2,972	102,315	3,814	113,574
Mica ..... {sheet, pounds	1,423,100	252,243	1,060,182	349,311	972,964	234,021	1,809,582	234,482	2,476,190	283,832
Mica ..... {scrap, short tons[3]	1,489	22,742	3,025	42,800	2,417	33,904	4,090	46,047	4,065	53,265
Barytes (crude) ..... short tons[3]	50,231	160,367	89,621	291,777	38,527	120,442	61,945	209,737	42,975	121,746
Bromine ..... pounds	1,283,250	165,204	1,379,496	195,281	760,023	73,783	569,725	57,600	245,437	41,684
Fluorspar ..... short tons[3]	40,796	244,025	49,486	287,282	38,785	225,998	50,742	291,747	69,427	430,196
Feldspar ..... do	75,656	401,531	91,799	558,944	70,474	428,553	76,539	424,602	81,102	502,452
Manganiferous ores ..... long tons[3]	41,300	122,400	103,844	259,473	55,620	132,556	68,654	215,925	61,101	186,765
Manganese ore ..... do	6,921	88,132	5,604	63,369	6,144	62,779	1,544	19,675	2,258	22,892
Quartz ..... short tons[3]	66,697	243,012	33,192	223,801	47,316	190,157	135,469	249,466	63,577	193,757

Thorium minerals (monazite) and zircon, pounds	847,275	152,560	548,152	65,800	422,646	50,718	543,931	65,282	99,301	12,006
Graphite ..... pounds	[95] 5,887,982	238,064	[94] 4,947,840	171,149	[92] 2,288,000	132,840	[96] 6,294,400	313,271	[95] 5,590,592	295,733
Bauxite ..... long tons	[10] 16,853 75,332	102,175 368,311	[10] 26,803 97,776	125,821 480,330	[10] 1,443 52,167	75,250 263,968	[10] 5,096 129,101	32,238 679,447	[10] 35,945 148,932	81,443 716,258
Sulphur[11] ..... short tons	294,153	5,096,678	293,106	5,142,850	369,444	6,668,215	239,312	4,432,066	255,534	4,605,112
Fuller's earth ..... do	32,040	265,400	32,851	291,773	29,714	278,367	33,486	301,604	32,822	293,709
Glass sand ..... do	1,089,430	1,208,788	1,187,296	1,250,067	1,093,553	1,134,599	1,104,451	1,163,375	1,461,089	1,516,711
Marls ..... do	19,104	7,341	14,091	8,429	8,469	4,330				
Infusorial earth and tripoli ..... do	8,099	72,108		104,406		97,442		122,348		130,006
Pumice ..... do	12,200	16,750	8,112	33,818	10,569	39,287	15,103	33,439	23,271	94,943
Millstones		48,590		31,741		31,420		35,393		28,217
Chromic iron ore ..... long tons	107	1,800	290	5,640	359	7,230	598	8,300	205	2,729
Magnesite ..... short tons	7,805	23,415	7,561	22,683	6,587	19,761	9,465	37,860	12,443	74,658
Asbestos ..... do	1,695	28,565	653	11,899	936	19,624	3,085	62,603	3,693	68,357
Sand, molding, building, etc., and gravel, short tons	31,842,572	11,489,420	40,664,622	13,242,002	36,122,491	12,135,433	58,461,100	17,173,615	66,949,347	19,520,919
Titanium ores (rutile) ..... pounds		[11]		[11]			121	10,000	566	44,480
Tungsten ores ..... short tons	928	348,867	1,640	890,048	671	229,955	1,619	614,370	1,821	807,307
Total value of nonmetallic mineral products		1,017,700,525		1,167,711,497		1,044,398,939		1,132,976,404		1,242,701,402
Total value of metallic products		886,110,856		903,802,244		549,923,116		753,496,439		760,743,467
Estimated value of mineral products unspecified		200,000		100,000		250,000		300,000		300,000
Grand total		1,904,011,381		2,071,613,741		1,594,572,055		1,886,772,843		2,003,744,869

[1] Value of clay, mined and sold as unmanufactured clay: 1905, $2,768,006; 1906, $3,245,256; 1907, $3,448,548; 1908, $2,599,986; 1909, $3,500,000; 1910, $3,625,485.
[2] Of 380 pounds net.
[3] "Long" tons, 2,240 avoirdupois pounds; "short" tons, 2,000 pounds.
[4] Of 280 pounds net—values for net product exclusive of cost of packages.
[5] Included under "unspecified."
[6] Including metallic paints, ocher, umber, mortar colors, sienna, ground slate, shales, and since 1907 sublimed blue lead, sublimed white lead, zinc lead, and leaded zinc oxide.
[7] Including pearls valued at $381,000 in 1906 and at $264,500 in 1907.
[8] Included under feldspar and quartz.
[9] Crystalline, pounds.
[10] Amorphous, short tons.
[11] Included under "Unspecified."

No. 118.—GOLD AND SILVER PRODUCTION FROM MINES IN THE UNITED STATES: 1792 TO 1904.[1]

[Source: Reports of the Director of the Mint, Treasury Department.]

Calendar year.	Gold.		Silver.	
	Fine ounces.	Value.	Fine ounces.	Commercial value[2]
	Troy.	*Dollars.*	*Troy.*	*Dollars.*
Apr. 2, 1792–July 31, 1834	677,250	14,000,000	.....	Insignificant.
July 31, 1834–Dec. 31, 1854	16,957,420	350,537,000	580,400	764,000
1855	2,660,625	55,000,000	38,700	52,000
1856	2,660,625	55,000,000	38,700	52,000
1857	2,660,625	55,000,000	38,700	52,400
1858	2,418,750	50,000,000	38,700	52,000
1859	2,418,750	50,000,000	77,300	105,100
1860	2,225,250	46,000,000	116,000	156,800
1861	2,080,125	43,000,000	1,546,900	2,062,000
1862	1,896,300	39,200,000	3,480,500	4,684,800
1863	1,935,000	40,000,000	6,574,200	8,842,800
1864	2,230,087	46,100,000	8,507,800	11,443,000
1865	2,574,759	53,225,000	8,701,200	11,642,200
1866	2,588,062	53,500,000	7,734,400	10,356,400
1867	2,502,196	51,725,000	10,441,400	13,866,200
1868	2,322,000	48,000,000	9,281,200	12,306,900
1869	2,394,362	49,500,000	9,281,200	12,297,600
1870	2,418,750	50,000,000	12,375,000	16,434,000
1871	2,104,312	43,500,000	17,789,100	23,588,300
1872	1,741,500	36,000,000	22,236,300	29,396,400
1873	1,741,500	36,000,000	27,650,400	35,881,600
1874	1,620,122	33,490,000	28,868,200	36,917,500
1875	1,619,009	33,467,900	24,539,300	30,485,900
1876	1,931,575	39,929,200	29,996,200	34,919,800
1877	2,268,662	46,897,400	30,777,800	36,991,500
1878	2,477,109	51,206,400	35,022,300	40,401,000
1879	1,881,787	38,900,000	31,565,500	35,477,100
1880	1,741,500	36,000,000	30,318,700	34,717,000
1881	1,678,612	34,700,000	33,257,800	37,657,500
1882	1,572,187	32,500,000	36,196,900	41,105,900
1883	1,451,250	30,000,000	35,732,800	39,618,400
1884	1,489,950	30,800,000	37,743,800	41,921,300
1885	1,538,373	31,801,000	39,909,400	42,503,500
1886	1,686,788	34,869,000	39,694,000	39,482,400
1887	1,603,049	33,136,000	41,721,600	40,887,200
1888	1,604,478	33,167,500	45,792,700	43,045,100
1889	1,594,775	32,967,000	50,094,500	46,838,400
1890	1,588,877	32,845,000	54,516,300	57,242,100
1891	1,604,840	33,175,000	58,330,000	57,630,000
1892	1,597,098	33,015,000	63,500,000	55,662,500
1893	1,739,323	35,955,000	60,000,000	46,800,000
1894	1,910,813	39,500,000	49,500,000	31,422,100
1895	2,254,760	46,610,000	55,727,000	36,445,500
1896	2,568,132	53,088,000	58,834,800	39,654,600
1897	2,774,935	57,363,000	53,860,000	32,316,000
1898	3,118,398	64,463,000	54,438,000	32,118,400
1899	3,437,210	71,053,400	54,764,500	32,858,700
1900	3,829,897	79,171,000	57,647,000	35,741,100
1901	3,805,500	78,666,700	55,214,000	33,128,400
1902	3,870,000	80,000,000	55,500,000	29,415,000
1903	3,560,000	73,591,700	54,300,000	29,322,000
1904[3]	3,892,480	80,464,700	57,682,800	33,456,024

[1] The estimates from 1792 to 1873 are by R. W. Raymond, United States Commissioner of Mining Statistics, and since by the Director of the Mint.

[2] To compute coining value of silver, multiply number of fine ounces by $1.2929+

[3] For subsequent years see next table, and for world's production see Table 351.

No. 119.—ESTIMATED VALUE OF THE PRODUCT OF GOLD AND SILVER, CALENDAR YEARS 1905 TO 1911:[1] BY STATES.

[Source: Reports of the Director of the Mint, Treasury Department.]

GOLD.

State.	1905	1906	1907	1908	1909	1910	1911[2]
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Alaska	14,925,600	21,365,100	18,489,400	19,858,800	20,339,600	16,271,800	16,002,976
Arizona	2,691,300	2,747,100	2,664,000	2,500,000	2,626,800	3,413,200	2,954,790
California	19,197,100	18,832,900	16,853,500	19,329,700	20,703,600	20,441,400	20,310,987
Colorado	25,701,100	22,934,400	20,897,600	22,871,000	21,846,600	20,526,500	19,153,360
Georgia	96,900	23,700	64,800	56,200	43,400	24,000	30,532
Idaho	1,075,600	1,035,700	1,255,900	1,443,500	1,344,200	1,035,900	1,169,261
Montana	4,889,300	4,522,000	3,472,600	3,160,000	3,750,100	3,720,400	3,169,840
Nevada	5,359,100	9,278,600	15,411,000	11,689,400	16,386,200	18,873,700	18,968,578
New Mexico	265,800	266,200	330,000	306,300	252,800	477,200	639,897
North Carolina	123,900	90,900	78,700	97,500	31,400	64,500	76,693
Oregon	1,244,900	1,320,100	1,222,200	905,900	829,000	681,400	599,235
South Carolina	95,100	74,600	58,100	53,700	7,400	37,800	13,437
South Dakota	6,913,900	6,604,900	4,138,200	7,742,200	6,573,600	5,380,200	7,430,367
Texas	1,900	3,400	1,000	500	400	400	1,178
Utah	5,140,900	5,130,900	5,121,600	3,946,700	4,213,300	4,312,700	4,709,747
Washington	370,000	103,000	262,300	253,700	429,000	806,000	504,537
Other	88,300	40,300	114,800	344,900	296,000	202,000	497,613
Total value	88,180,700	94,373,800	90,435,700	94,560,000	99,673,400	96,269,100	96,233,528
Total fine ounces (troy)	4,265,742	4,565,333	4,374,827	4,574,340	4,821,700	4,657,017	4,655,297

SILVER (COMMERCIAL VALUE).

Alaska	103,212	137,747	118,300	109,400	103,300	83,100	151,630
Arizona	1,589,477	2,009,822	1,916,000	1,551,200	1,312,300	1,434,100	876,935
California	660,020	1,027,180	1,049,400	911,300	1,198,500	967,400	1,500,035
Colorado	7,895,108	8,425,520	7,587,000	5,429,400	4,600,100	4,602,400	4,142,017
Georgia	549	203	500	100	100	200	124
Idaho	4,956,616	5,981,135	5,206,300	4,042,900	3,513,100	3,794,600	4,129,291
Michigan	154,330	125,969	218,700	157,300	113,100	141,600	278,979
Montana	8,207,367	8,488,404	7,345,500	5,539,500	6,257,900	6,632,800	6,114,228
Nevada	3,576,735	3,524,972	5,465,100	5,086,100	5,262,000	6,677,600	5,858,364
New Mexico	216,489	306,902	395,700	214,500	168,600	420,600	628,284
North Carolina	8,052	16,719	16,600	700	200	4,500	1,225
Oregon	54,229	61,394	63,400	30,000	36,200	23,600	38,014
South Carolina	122	68	100	100	.....	.....	8
South Dakota	109,190	105,053	70,400	105,500	102,100	65,100	113,403
Texas	254,492	187,769	201,500	239,100	212,200	196,800	243,367
Utah	6,295,078	7,789,650	7,528,500	4,520,600	5,486,600	5,640,800	6,973,798
Washington	72,834	28,497	55,400	46,400	89,100	110,600	78,209
Other	68,076	89,396	61,400	66,500	49,800	58,700	659,955
Total commercial value	34,221,976	38,256,400	37,299,700	28,050,600	28,455,200	30,854,500	31,787,866
Total fine ounces (troy)	56,101,600	56,517,900	56,514,700	52,440,800	54,721,500	57,137,900	57,796,117

[1] For prior years see previous table, and for world's production see Table 351.
[2] Preliminary figures.

No. 120.—ANTHRACITE AND BITUMINOUS COAL PRODUCTION: QUANTITIES, CENSUS YEAR ENDED MAY 31, 1880, AND IN CALENDAR YEARS 1890, 1900, AND 1902 TO 1910, BY STATES.

[Sources: 1880, reports of the Bureau of the Census, Department of Commerce and Labor; 1890 to date, reports of the Geological Survey, Department of the Interior.]

State.	1880	1890	1900	1902	1903	1904	1905	1906	1907	1908	1909	1910
ANTHRACITE.	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*
Colorado and New Mexico	.....	(1)	87,861	83,872	64,939	64,352	66,806	[2] 53,793	55,439	37,195	69,375	80,960
Pennsylvania	[3] 25,580,189	41,489,858	51,221,353	36,940,710	66,613,453	65,318,490	69,339,152	63,645,010	76,432,421	74,347,102	72,374,249	75,433,426
Total anthracite	[3] 25,580,189	41,489,858	51,309,214	37,024,582	66,678,392	65,382,842	69,405,958	63,698,803	76,487,860	74,384,297	72,443,624	75,514,206
BITUMINOUS.												
Alabama	289,261	3,652,151	7,494,888	9,245,152	10,405,646	10,055,398	10,594,704	11,703,538	12,723,620	10,361,244	12,235,223	14,385,234
Arkansas	13,195	357,043	1,292,808	1,735,654	1,990,332	1,794,153	1,727,387	1,664,525	2,384,320	1,855,676	2,122,462	1,701,748
California	211,562	98,849	[4] 154,382	[4] 77,853	[4] 94,125	[4] 71,055	[4] 72,164	[4] 27,528	[4] 21,508	[4] 19,520	[4] 43,425	10,861
Colorado	413,167	2,747,324	4,626,943	6,561,368	6,590,592	5,901,884	7,835,733	8,974,080	9,596,441	8,590,315	9,518,960	10,646,775
Georgia	138,075	203,872	281,747	369,717	372,278	342,135	314,278	296,524	323,572	236,448	188,567	158,254
Idaho	.....	.....	9	1,813	3,735	[5] 3,107	5,252	[5] 5,504	[5] 6,105	4,847	4,065	3,971
Illinois	5,460,158	13,653,947	23,007,126	29,410,154	32,997,414	32,567,019	34,316,395	37,035,807	45,818,880	42,553,295	45,450,884	40,982,362
Indiana	1,298,506	2,951,551	5,789,363	8,434,307	9,638,118	9,680,526	10,620,761	10,796,929	12,487,244	10,995,438	13,244,874	16,419,478
Indian Territory	107,988	776,097	1,716,337	2,518,452	3,140,525	2,720,124	2,611,096	2,553,750	.....	.....	.....	.....
Iowa	1,304,568	3,590,839	4,645,481	5,272,112	5,731,974	5,821,369	6,070,187	6,487,700	6,762,788	6,394,027	6,926,573	7,078,679
Kansas	688,788	2,017,788	3,989,170	4,701,844	5,214,264	5,654,738	5,735,696	5,379,263	6,537,901	5,576,346	6,237,927	4,394,153
Kentucky	844,900	2,412,050	4,758,005	6,041,950	6,730,386	6,764,716	7,529,038	8,619,328	9,601,004	9,148,708	9,551,236	13,056,535
Maryland	1,990,104	2,998,047	3,593,471	4,706,794	4,326,933	4,297,877	4,561,196	4,853,083	4,939,847	[6] 3,908,163	3,592,179	4,658,147
Michigan	90,000	66,944	758,460	861,355	1,221,089	1,198,964	1,315,367	1,202,088	1,817,730	1,638,410	1,593,475	1,370,506
Missouri	753,843	2,442,162	3,160,806	3,473,352	3,784,452	3,721,702	3,556,587	3,355,364	3,569,586	2,961,888	3,354,045	2,662,887
Montana	200	462,033	1,483,728	1,393,592	1,329,295	1,213,320	1,467,707	1,633,858	1,800,765	1,714,455	2,280,304	2,608,009
Nebraska	179	.....	.....	.....	.....	.....	.....	.....	670	.....	.....	.....
New Mexico	.....	335,515	1,127,752	899,497	1,349,276	1,275,443	1,451,355	1,754,208	2,329,544	2,178,660	2,481,365	3,095,530
North Carolina	313	9,164	[7] 15,834	20,536	15,454	6,250	1,390	.....	.....	.....	.....	.....
North Dakota	.....	26,786	115,967	202,242	248,790	242,793	283,520	272,937	310,500	286,377	376,828	356,287
Ohio	5,364,817	10,262,952	16,953,705	20,999,905	22,176,878	21,785,912	22,815,134	24,760,393	28,698,588	23,455,928	24,946,108	30,544,346
Oklahoma	.....	.....	.....	.....	.....	.....	.....	.....	3,252,373	2,632,246	2,785,158	2,362,702
Oregon	38,576	54,923	52,557	58,615	81,378	99,589	97,894	71,188	63,376	77,017	77,925	60,297

Pennsylvania	16,451,038	37,769,797	71,287,791	88,012,828	92,068,909	87,444,899	105,726,462	115,440,363	134,056,408	104,624,578	123,184,635	134,394,220
Tennessee	442,081	1,937,130	3,133,537	3,913,364	4,283,932	4,269,330	5,148,831	5,588,639	6,080,574	5,534,974	5,677,362	6,358,375
Texas	.....	164,679	864,619	805,279	827,463	1,067,807	1,072,039	1,172,208	1,471,490	1,692,301	1,628,964	1,689,443
Utah	13,168	284,071	1,024,131	1,405,822	1,501,258	1,333,060	1,189,618	1,582,635	1,738,935	1,648,921	2,024,017	2,248,044
Virginia	38,463	700,010	2,137,280	2,841,958	3,081,524	3,045,459	3,817,206	3,798,999	4,206,156	3,802,716	4,243,051	5,810,712
Washington	129,478	1,128,294	2,209,012	2,393,941	2,851,137	2,801,501	2,557,969	2,925,164	3,286,189	2,700,842	3,216,306	3,492,767
West Virginia	1,633,789	6,602,370	20,220,721	21,938,237	26,193,965	28,934,600	33,742,482	28,652,098	42,938,913	37,408,788	46,293,946	55,063,410
Wyoming	526,424	1,669,964	3,584,466	3,954,903	4,138,655	4,623,711	5,001,804	5,476,780	5,583,027	4,901,698	5,708,133	6,725,971
RECAPITULATION.[8]												
Middle States	25,439,748	57,633,166	112,055,688	135,657,764	144,766,685	142,463,288	166,845,274	183,705,937	210,633,756	169,397,457	198,016,868	224,660,123
Western States	10,535,833	29,629,338	51,161,510	64,265,229	70,894,643	70,626,026	76,203,757	80,614,806	94,285,532	37,442,973	94,692,003	93,245,107
Southern States	1,874,276	10,547,711	22,822,807	28,391,559	32,196,816	31,341,315	34,267,413	37,151,719	42,372,653	85,612,249	40,913,388	58,618,533
Pacific States	392,784	1,566,858	3,440,091	3,938,044	4,531,693	4,308,312	3,922,808	4,612,019	5,116,113	4,451,147	5,365,738	5,815,940
Total bituminous	38,242,641	99,377,073	189,480,097	232,252,596	252,389,837	248,738,941	281,239,252	306,084,481	352,408,054	296,903,826	338,987,997	372,339,703
Total anthracite and bituminous[9]	63,822,880	140,866,931	240,789,310	269,277,178	319,068,229	314,121,783	350,820,840	369,783,284	428,895,914	371,288,123	411,431,621	447,853,909
AMOUNTS MARKETED.[10]												
Pennsylvania anthracite—tons	.....	38,403,552	46,355,595	32,481,775	60,814,579	63,907,788	63,057,076	57,355,519	68,975,615	66,655,548	64,663,564	67,539,106
Pennsylvania anthracite—value, dolls.	.....	66,383,772	85,757,851	76,173,586	152,036,448	138,974,020	141,879,000	131,917,694	163,584,056	158,178,849	149,181,587	160,275,302
Bituminous—tons	.....	97,957,790	186,227,513	227,870,527	246,973,603	243,181,440	275,050,479	299,183,137	344,240,502	289,275,096	330,585,909	363,788,858
Bituminous—value, dolls.	.....	110,420,801	218,930,313	290,858,483	351,687,933	305,397,001	334,658,294	381,162,115	451,214,842	374,135,268	405,486,777	469,281,719
Total—tons	.....	136,361,342	232,583,108	260,352,302	307,788,182	307,089,228	338,107,555	356,538,656	413,216,117	355,930,644	395,249,473	431,327,964
Total—value, dolls.	.....	176,804,573	306,688,164	367,032,069	503,724,381	444,371,021	476,537,294	513,079,809	614,798,898	532,314,117	554,902,624	629,557,021

[1] Included in bituminous product.

[2] Colorado only.

[3] Includes small amounts mined in Rhode Island and Virginia.

[4] Includes Alaska.

[5] Includes Nevada.

[6] Includes Massachus

[7] Includes small amount of Triassic in Virginia.

[8] Middle States: Maryland, Ohio, Pennsylvania, and West Virginia. Southern States: Alabama, Arkansas, Georgia, Indian Territory, Kentucky, New Mexico, North Carolina, Oklahoma, Tennessee, Texas, and Virginia. Western States: Colorado, Illinois, Indiana, Iowa, Kansas, Michigan, Missouri, Montana, Nebraska, North Dakota, and Wyoming. Pacific States: California, Idaho, Oregon, Utah, Washington, and miscellaneous.

[9] Amounts marketed only for the year 1880; afterwards the entire product of the mines.

[10] Quantities represent amounts shipped to market; values are based on those of entire product.

No. 121.—PIG-IRON PRODUCTION,[1] CALENDAR YEARS 1900 TO 1911, AND THE NUMBER OF FURNACES, 1899 AND 1911: BY STATES AND BY GEOGRAPHIC DIVISIONS.

[Source: Annual reports of the American Iron and Steel Association. The figures of 1911 are preliminary.]

State.	Completed furnaces Dec. 31, 1899.	Pig-iron production.[2]												Furnaces.		
		1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	In blast. June 30, 1911.	In blast. Dec. 31, 1911.	Total Dec. 31, 1911.
		Tons.	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*			
Alabama	45	1,184,337	1,225,212	1,472,211	1,561,398	1,453,513	1,604,062	1,674,848	1,686,674	1,397,014	1,763,617	1,939,147	1,712,211	17	22	49
Colorado	2	[3] 159,204	[3] 203,409	[3] 269,930	[3] 270,289	[3] 151,776	[3] 407,774	[3] 413,040	[3] 468,486	[3] 313,071	[3] 382,766	[3] 428,612	[3] 395,968	3	3	6
Connecticut	4	10,233	8,442	12,086	14,501	8,922	[4] 15,987	[4] 20,239	[4] 19,119	[4] 13,794	[4] 18,388	[4] 16,582	9,649	.....	1	3
Georgia	5	[5] 28,984	[5] 27,333	[5] 32,315	[5] 75,602	[5] 70,156	[5] 38,699	[5] 92,599	[5] 55,825	[5] 24,345	[5] 26,072	[5] 14,725	1,200	.....	.....	4
Indiana[6]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	7	9
Illinois	17	1,363,383	1,596,350	1,730,220	1,692,375	1,655,991	2,034,483	2,156,866	2,457,768	1,691,944	2,467,156	2,675,646	2,108,002	16	14	24
Kentucky	9	71,562	68,462	110,725	102,441	37,106	63,735	98,127	127,946	45,096	86,371	100,509	95,202	3	2	8
Maryland	8	290,073	303,186	303,229	324,570	293,441	332,096	386,709	411,833	183,502	286,856	326,214	255,816	3	2	5
Massachusetts[4]	3	3,310	3,386	3,360	3,265	3,149	.....	.....	.....	.....	.....	.....	.....	1	1	2
Michigan	13	163,712	170,762	155,213	244,709	233,225	288,704	369,456	[6] 436,507	[6] 348,096	[6] 964,289	[6] 1,250,103	[6] 1,163,932	7	8	16
Minnesota[7]	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	0	1
Missouri[3]	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	2
New Jersey	12	170,262	155,746	191,380	211,667	262,294	311,039	379,390	373,189	225,372	294,474	264,781	40,663	1	0	8
New York	20	292,827	283,662	401,369	552,917	605,709	1,198,068	1,552,659	1,659,752	1,019,495	1,733,675	1,938,407	1,562,756	15	13	29
North Carolina[5]	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ohio	54	2,470,911	3,326,425	3,631,388	3,287,434	2,977,929	4,586,110	5,327,133	5,250,687	2,861,325	5,551,545	5,752,112	5,310,506	35	44	75
Oregon[3]	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Pennsylvania	158	6,365,935	7,343,257	8,117,800	8,211,500	7,644,321	10,579,127	11,247,869	11,348,549	6,987,191	10,918,824	11,272,323	9,807,073	81	91	164
Tennessee	19	362,190	337,139	392,773	418,368	302,096	372,692	426,874	393,106	290,826	333,845	397,569	324,648	9	8	19
Texas[5]	4	10,150	2,273	3,095	11,653	5,530	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
Virginia	26	490,617	448,662	537,216	544,034	310,526	510,210	483,525	478,771	320,458	391,134	444,976	293,642	7	7	25
Washington[3]	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
West Virginia	3	166,758	166,597	183,005	199,013	270,945	298,179	304,534	291,066	65,551	228,282	174,661	291,472	3	3	4
Wisconsin	6	[7] 184,794	[7] 207,551	[7] 273,987	[7] 283,516	[7] 210,404	[7] 351,415	[7] 373,323	[7] 322,083	[7] 148,938	[7] 348,177	[7] 307,200	[7] 276,807	2	4	7
Grand total	414	13,789,242	15,878,354	17,821,307	18,009,252	16,497,033	22,992,380	25,307,191	25,781,361	15,936,018	25,795,471	27,303,567	23,649,547	212	231	466

Geographic divisions:[8]																
New England and Middle States	208	7,299,398	8,264,276	9,212,229	9,517,433	9,088,781	12,734,496	13,891,400	14,103,508	8,494,905	13,480,499	13,992,968	11,967,190	104	111	215
Southern States	110	2,147,840	2,109,081	2,548,340	2,713,496	2,178,927	2,589,398	2,775,973	2,742,322	2,077,739	2,601,039	2,896,926	2,427,135	36	39	109
Western States	95	4,342,004	5,504,997	6,060,738	5,778,323	5,229,325	7,668,486	8,639,818	8,935,531	5,363,374	9,713,933	10,413,673	9,255,019	72	81	140
Pacific States	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
December 31—																
Furnaces in blast	239	232	266	307	182	261	313	340	167	236	338	206	.....	.....	.....	231
Furnaces out of blast	125	174	140	105	243	168	111	89	276	223	331	267	.....	.....	.....	235

[1] In tons of 2,240 pounds.

[2] Includes spiegeleisen, ferromanganese, ferrosilicon, ferrophosphorus, ferrotitanium, ferrovanadium, etc.

[3] Colorado includes Missouri; Washington is also included from 1900; California is included from 1907; and Oregon in 1911.

[4] Massachusetts and Connecticut combined after 1904.

[5] Georgia includes North Carolina and Texas to 1903 and Texas only from 1904 to 1911.

[6] Indiana and Michigan combined after 1906.

[7] Wisconsin includes Minnesota.

[8] New England and Middle States: Connecticut, Maryland, Massachusetts, New Jersey, New York, Pennsylvania, and West Virginia. Southern States: Alabama, Georgia, Kentucky, North Carolina, Tennessee, Texas, and Virginia. Western States: Colorado, Illinois, Indiana, Michigan, Minnesota, Missouri, Ohio, and Wisconsin. Pacific States: Oregon, Washington, and California. (The production of the Pacific States is included with that of Colorado.)

No. 122.—PIG-IRON PRODUCTION:[1] Quantities and Kinds, Calendar Years 1905 to 1911, by States.

[Source: Annual reports of the American Iron and Steel Association. Figures of 1911 are preliminary.]

ANTHRACITE AND MIXED ANTHRACITE AND COKE PIG IRON.

State.	1905	1906	1907	1908	1909	1910	1911
	Tons.	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*
New York	189,423	173,341	117,288	355,009	698,431	649,082	229,575
New Jersey							
Pennsylvania	1,485,092	1,387,345	1,254,266				
Total	1,674,515	1,560,686	1,371,554	355,009	698,431	649,082	229,575

CHARCOAL PIG IRON.

Massachusetts							
Connecticut	16,991	20,239	19,119	14,494	20,629	16,632	9,649
New York							
Pennsylvania	3,294	2,663	2,289	2,479	2,691	4,272	3,513
Maryland	2,071	4,903	1,444	3,298	5,588	1,555	3,325
Virginia							
Tennessee							
Texas							
Kentucky	21,857	[2]27,018	20,519	19,474	14,684	11,453	5,334
Georgia							
Alabama	25,548	25,830	35,141	23,815	33,641	35,704	32,557
Ohio	4,175	5,450	2,425	2,400	.....	1,060	1,902
Michigan	210,573	231,368	294,922	143,492	231,733	260,805	160,884
Wisconsin							
Missouri	68,419	65,536	61,538	39,694	67,037	65,026	61,512
Washington							
California							
Total	352,928	433,007	[3]437,397	[3]249,146	[3]376,003	[3]396,507	[3]278,676

BITUMINOUS COAL AND COKE PIG IRON.

New York	1,111,885	1,505,201	1,659,752	1,018,795	1,731,434	1,938,357	1,562,766
New Jersey	206,795	253,507	255,901	192,352	256,846	262,669	40,663
Pennsylvania	9,090,741	9,857,861	10,091,994	6,662,723	10,255,330	10,621,081	9,573,746
Maryland	331,870	385,300	411,833	183,502	284,356	325,614	256,186
West Virginia	298,179	304,534	291,066	65,551	228,282	174,661	291,472
Kentucky	63,381	95,945	125,984	43,172	84,016	98,951	93,574
Tennessee	370,217	424,341	390,606	288,316	330,909	394,078	320,942
Virginia							
North Carolina	528,036						
Georgia		550,327	517,095	326,465	404,725	452,342	292,147
Texas							
Alabama	1,578,514	1,649,018	1,651,533	1,373,199	1,729,976	1,903,443	1,679,886
Ohio	4,581,935	5,321,683	5,248,262	2,858,925	5,551,545	5,751,052	5,308,408
Illinois	2,034,483	2,156,866	2,457,768	1,691,944	2,467,156	2,675,646	2,108,002
Indiana[4]							
Wisconsin	332,057	351,391	358,268	[5]315,985	[5]971,837	1,193,796	1,166,237
Michigan							
Minnesota							
Missouri	436,844	454,524	512,348	310,934	424,625	466,288	448,074
Colorado							
Washington							
Total	20,964,937	[6]23,313,498	[6]23,972,410	[6]15,331,863	[6]24,721,037	[6]26,257,978	[6]23,141,093

[1] In tons of 2,240 pounds.
[2] Includes about 500 tons of pig iron made in Georgia in 1906 with charcoal and coke mixed as fuel.
[3] Includes small quantities of pig iron and ferro alloys made with charcoal and electricity.
[4] The production of Indiana is included with Wisconsin and Michigan for 1907, 1908, 1909, 1910, and 1911 only. Prior to 1907 Indiana had not made pig iron for a number of years.
[5] Includes a small quantity of iron made experimentally in Michigan with manufactured gas. No iron made in Michigan in 1910 or 1911 with manufactured gas.
[6] Includes small quantities of ferro alloys made with coke and electricity.

No. 123.—CRUDE-STEEL PRODUCTION: QUANTITIES AND KINDS, 1878 TO 1910.

[Source: Annual reports of the American Iron and Steel Association.]

Calendar year.	Bessemer ingots and castings.	Open-hearth ingots and castings.	Crucible ingots and castings.	All other steels.	Total.
	Long tons.	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*
1878	653,773	32,255	38,309	7,640	731,977
1879	829,439	50,259	50,696	4,879	935,273
1880	1,074,262	100,851	64,664	7,558	1,247,335
1881	1,374,247	131,202	80,145	2,720	1,588,314
1882	1,514,687	143,341	75,973	2,691	1,736,692
1883	1,477,345	119,356	71,835	4,999	1,673,535
1884	1,375,581	117,515	53,270	4,563	1,550,879
1885	1,519,430	133,376	57,599	1,515	1,711,920
1886	2,269,190	218,973	71,973	2,367	2,562,503
1887	2,936,033	322,069	75,375	5,594	3,339,071
1888	2,511,161	314,318	70,279	3,682	2,899,440
1889	2,930,204	374,543	75,865	5,120	3,385,732
1890	3,688,871	513,232	71,175	3,793	4,277,071
1891	3,247,417	579,753	72,586	4,484	3,904,240
1892	4,168,435	669,889	84,709	4,548	4,927,581
1893	3,215,686	737,890	63,613	2,806	4,019,995
1894	3,571,313	784,936	51,702	4,081	4,412,032
1895	4,909,128	1,137,182	67,666	858	6,114,834
1896	3,919,906	1,298,700	60,689	2,394	5,281,689
1897	5,475,315	1,608,671	69,959	3,012	7,156,957
1898	6,609,017	2,230,292	89,747	3,801	8,932,857
1899	7,586,354	2,947,316	101,213	4,974	10,639,857
1900	6,684,770	3,398,135	100,562	4,862	10,188,329
1901	8,713,302	4,656,309	98,513	5,471	13,473,595
1902	9,138,363	5,687,729	112,772	8,386	14,947,250
1903	8,592,829	5,829,911	102,434	9,804	14,534,978
1904	7,859,140	5,908,166	83,391	9,190	13,859,887
1905	10,941,375	8,971,376	102,233	8,963	20,023,947
1906	12,275,830	10,980,413	127,513	14,380	23,398,136
1907	11,667,549	11,549,736	131,234	14,075	23,362,594
1908	6,116,755	7,836,729	63,631	6,132	14,023,247
1909	9,330,783	14,493,936	107,355	22,947	23,955,021
1910	9,412,772	16,504,509	122,303	55,335	26,094,919

No. 124.—IRON-ORE PRODUCTION: QUANTITIES, BY STATES, CALENDAR YEARS 1905 TO 1910.

[Source: Reports of the Geological Survey, Department of the Interior.]

State.	1905	1906	1907	1908	1909	1910
	Long tons.	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*
Alabama	3,782,831	3,995,098	4,039,453	3,734,438	4,321,252	4,801,275
Arkansas and Texas	[1]	[2]36,660	118,667	[2]55,966	[2]6,474	[2]29,535
California, Colorado, Montana, Nevada, New Mexico, Utah, Washington, and Wyoming	[3]851,770	806,268	831,258	528,625	637,582	861,850
Connecticut and Massachusetts	25,931	31,343	37,166	28,112	38,272	34,158
Georgia	[4]257,124	411,230	444,114	321,060	221,016	313,878
Kentucky, Maryland, and West Virginia	[5]785,414	46,940	62,808	53,235	98,657	78,409
Michigan	10,885,902	11,822,874	11,830,342	8,839,199	11,900,384	13,303,906
Minnesota	21,735,182	25,364,077	28,969,658	18,652,220	28,975,149	31,966,769
Missouri	113,012	80,910	[6]111,768	98,414	89,954	78,341
New Jersey	526,271	542,518	549,760	394,767	543,720	521,832
New York	1,139,937	1,041,992	1,375,020	697,473	1,015,333	1,287,209
North Carolina	[7]	56,057	50,439	48,522	61,150	65,278
Ohio	19,989	17,384	23,589	26,585	16,527	22,320
Pennsylvania	808,717	949,429	837,287	443,161	666,889	739,799
Tennessee	734,770	870,734	813,690	635,343	657,795	732,247
Virginia	[8]	828,081	786,856	692,223	837,847	903,377
Wisconsin	859,283	848,133	838,744	733,993	1,067,436	1,149,551
Total	42,526,133	47,749,728	51,720,619	35,983,336	51,155,437	56,889,734

[1] Texas included under California, etc.; also Arkansas.
[2] Texas only.
[3] Includes Arkansas and Texas.
[4] Includes North Carolina.
[5] Includes Virginia; also Iowa in 1905.
[6] Includes Iowa.
[7] Included under Georgia.
[8] Included under Kentucky, etc.

No. 125.—IRON AND STEEL MANUFACTURES: QUANTITIES AND KINDS, CALENDAR YEARS 1906 TO 1910.

[Source: Annual reports of the American Iron and Steel Association.]

Articles.	1906	1907	1908	1909	1910
	Long tons.	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*
Pig iron	25,807,191	25,781,361	15,936,018	25,795,471	27,303,567
Spiegeleisen and ferromanganese (included with pig iron)	300,500	339,348	152,018	225,040	224,431
Finished iron and steel:					
Rails—					
Bessemer steel	3,791,459	3,380,025	1,349,153	1,767,171	1,884,442
Open-hearth steel	186,413	252,704	571,791	1,256,674	1,751,359
Iron	15	925	71	.....	280
Total rails	3,977,887	3,633,654	1,921,015	3,023,845	3,636,081
Structural shapes	2,118,772	1,940,352	1,083,181	2,275,562	2,266,890
Wire rods	1,871,614	2,017,583	1,816,949	2,335,685	2,241,830
Plate and sheet, except nail plate	4,182,156	4,248,832	2,649,693	4,234,346	4,955,484
Nail plate	54,211	52,027	45,747	63,746	45,294
Bar, bolt, hoop, skelp, rolled axles, rolled armor plate, etc	7,383,828	7,972,374	4,311,608	7,711,506	8,475,750
Total finished rolled	19,588,468	19,864,822	11,828,193	19,644,690	21,621,279
Nails:					
Cut nails and cut spikes	[1]1,189,239	1,109,138	[1]956,182	[1]1,207,597	[1]1,105,233
Wire nails	[1]11,486,647	[1]11,731,044	[1]10,662,972	[1]13,916,053	[1]12,704,902
Steel ingots and castings:					
Bessemer	12,275,830	11,667,549	6,116,755	9,330,783	9,412,772
Open hearth	10,980,413	11,549,736	7,836,729	14,498,936	16,504,509
Crucible	127,513	131,234	63,631	107,355	122,303
All other, including electric	14,380	14,075	6,132	22,947	55,335
Total crude steel	23,398,136	23,362,594	14,023,247	23,955,021	26,094,919
Ore, pig, and scrap blooms for sale	17,333	17,554	8,103	9,593	14,016
Tin plates and terneplates	577,562	514,775	537,087	611,959	722,770

[1] Kegs of 100 pounds.

No. 126.—TIN-PLATE MANUFACTURES: QUANTITIES, 1893 TO 1910.

[Sources: Report of Col. Ira Ayer, special Treasury agent, to 1896, inclusive; 1897 to date, annual reports of the American Iron and Steel Association, excepting 1900 and 1904, figures for which are from census reports.]

Calendar year.	Tin plates.	Terne-plates.	Amount made from—		Total.
			American black plates.	Foreign black plates.	
	Pounds net.	*Pounds net.*	*Pounds net.*	*Pounds net.*	*Pounds net.*
1893	64,536,209	59,070,498	54,337,889	69,268,818	123,606,707
1894	102,223,407	64,120,002	119,667,483	46,675,296	166,343,409
1895	165,927,907	88,683,488	241,316,527	13,294,868	254,611,395
1896	270,151,785	89,058,013	358,212,482	997,316	359,209,798
1897	.....	.....	.....	.....	574,779,520
1898	.....	.....	.....	.....	732,289,600
1899	.....	.....	.....	.....	808,360,000
1900[1]	707,718,239	141,285,783	.....	.....	849,004,022
1901	.....	.....	.....	.....	894,411,840
1902	.....	.....	.....	.....	806,400,000
1903	.....	.....	.....	.....	1,075,200,000
1904[2]	867,526,985	158,857,866	.....	.....	1,026,384,851
1905	.....	.....	.....	.....	1,105,440,000
1906	1,100,373,000	193,367,000	.....	.....	1,293,739,000
1907	996,650,000	156,447,000	.....	.....	1,153,097,000
1908	1,048,896,000	154,179,000	.....	.....	1,203,075,000
1909	1,179,858,000	190,930,000	.....	.....	1,370,788,000
1910	1,450,821,000	168,184,000	.....	.....	1,619,005,000

[1] Census year ended May 31. [2] Census year ended Dec. 31.

No. 127.—FATALITIES IN COAL MINES: BY STATES, CALENDAR YEARS 1897 TO 1910.

[Sources: 1897 to 1905, reports of the Geological Survey; later years, Bureau of Mines, Department of the Interior.]

State.	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910
Alabama	38	45	40	37	41	50	57	84	185	96	154	108	[1]129	238
Arkansas	.....	.....	.....	.....	18	13	.....	.....	8	[1]13	[1]10	[1]14	[1][2]12	14
Colorado	35	24	41	29	55	73	40	89	59	90	107	63	97	323
Georgia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[1]2	.....
Illinois	69	72	84	94	99	99	156	157	199	160	192	172	458	143
Indiana	16	22	16	18	24	24	55	34	47	31	53	45	50	51
Iowa	21	26	20	29	26	55	21	31	24	29	40	31	38	33
Kansas	6	17	16	22	26	27	36	[1]16	36	40	38	38	32	17
Kentucky	12	6	7	17	21	19	25	19	31	40	32	40	34	34
Maryland	5	4	5	7	12	11	13	12	13	7	[3]3	[4]6	19	18
Michigan	.....	.....	[1]4	10	6	6	8	7	8	6	7	6	9	6
Missouri	8	9	14	10	15	10	17	11	11	16	8	10	21	16
Montana	.....	.....	.....	.....	.....	12	.....	.....	.....	14	13	21	12	12
New Mexico	7	7	15	15	9	17	17	15	5	14	31	24	14	16
North Dakota	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	1	1
Ohio	40	52	57	68	72	81	114	118	131	127	153	112	115	161
Oklahoma (Indian Territory)	22	17	25	40	44	60	33	30	40	39	32	44	37	41
Oregon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[1]1	.....
Pennsylvania:														
Anthracite	423	411	461	411	513	300	518	595	644	557	708	678	567	601
Bituminous	150	199	258	265	301	456	402	536	479	477	806	572	506	539
Tennessee	10	19	20	10	53	226	26	28	29	32	30	34	29	38
Texas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	7
Utah	3	3	.....	209	10	8	7	9	7	4	8	8	15	15
Virginia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[1]27	57
Washington	7	9	45	33	27	34	25	31	13	21	37	25	39	43
West Virginia	62	90	89	141	130	120	159	140	194	287	738	311	339	326
Wyoming	.....	.....	.....	.....	41	190	.....	.....	12	[1]15	.....	[1]81	30	38
Total killed	934	1,032	1,217	1,465	1,543	1,891	1,729	1,962	2,175	2,115	3,200	2,447	2,637	2,838
Total injured	.....	.....	.....	.....	.....	.....	.....	.....	4,402	.....	.....	.....	.....	7,830

[1] Six months only.
[2] Fiscal year.
[3] Four months ending Apr. 30, 1907.
[4] Eight months ending Dec. 31, 1908.

No. 128.—CRUDE PETROLEUM PRODUCTOIN: QUANTITIES,[1] CALENDAR YEARS 1880, 1890, 1900, AND 1907 TO 1910, BY STATES.

[Source: Reports of the Geological Survey, Department of the Interior.]

State.	1880	1890	1900	1907	1908	1909	1910
	Barrels.	*Barrels.*	*Barrels.*	*Barrels.*	*Barrels.*	*Barrels.*	*Barrels.*
California	40,552	307,360	4,324,484	39,748,375	44,854,737	55,471,601	73,010,560
Colorado	.....	368,842	317,385	331,851	379,653	310,861	239,794
Illinois	.....	900	200	24,281,973	33,686,238	30,898,339	33,143,362
Indiana	.....	63,496	4,874,392	5,128,037	3,283,629	2,296,086	2,159,725
Kansas	.....	1,200	74,714	2,409,521	1,801,781	1,263,764	1,128,668
Kentucky	.....	[2]6,000	[2]62,259	[2]820,844	727,767	639,016	468,774
Louisiana	.....	.....	.....	5,000,221	5,788,874	3,059,531	6,841,395
Missouri	.....	278	[3]1,602	[3]4,000	[3]15,246	[3]5,750	[3]3,615
New York	[4]	[4]	1,300,925	1,212,300	1,160,128	1,134,897	1,053,838
Ohio	38,940	16,124,656	22,362,730	12,207,448	10,858,707	10,632,793	9,916,370
Oklahoma[5]	.....	.....	6,472	43,524,128	45,798,765	47,859,218	52,028,718
Pennsylvania	[6]26,027,631	[6]28,458,208	13,258,202	9,999,306	9,424,325	9,299,403	8,794,662
Texas	.....	54	836,039	12,322,696	11,206,464	9,534,467	8,899,266
West Virginia	179,000	492,578	16,195,675	9,095,296	9,523,176	10,745,092	11,751,871
Wyoming	.....	.....	5,450	[7]9,339	[7]17,775	[7]20,056	115,430
Total	26,286,123	45,823,572	63,620,529	166,095,335	178,527,355	183,170,874	209,556,048
Total value (dollars)	24,600,638	35,365,105	75,752,691	120,106,749	129,079,184	128,328,487	127,896,328

[1] Barrels of 42 gallons.
[2] Includes Tennessee.
[3] Includes Michigan.
[4] Included under Pennsylvania.
[5] Includes Indian Territory prior to 1908.
[6] Includes New York.
[7] Includes Utah.

No. 129.—BUILDING OPERATIONS: NUMBER OF PERMITS AND COST OF BUILDINGS, BY PRINCIPAL CITIES, CALENDAR YEARS 1905 TO 1911.

[Source: Reports of the Geological Survey, Department of the Interior.]

City.	1905		1906		1907		1908		1909		1910		1911
	Permits.	Cost of buildings.	Permits.	Cost of buildings.	Permits.	Cost of buildings.	Permits.	Cost of buildings.	Permits.	Cost of buildings.	Permits.	Cost of buildings.	Cost of [1] buildings.
		Dollars.		*Dollars.*		*Dollars.*		*Dollars.*		*Dollars.*		*Dollars.*	*Dollars.*
Allegheny, Pa	816	2,412,570	713	2,080,634	609	2,224,541	[2]	[2]	[2]	[2]	[2]	[2]	[2]
Atlanta, Ga	3,499	3,312,931	3,741	5,156,149	4,169	4,554,771	4,153	4,833,941	4,399	5,551,951	4,011	6,645,167	6,215,900
Baltimore, Md	2,976	16,638,200	2,826	12,619,970	3,129	8,250,677	2,893	7,554,709	3,076	9,761,788	2,289	9,346,394	8,901,198
Boston, Mass	2,249	12,364,747	3,328	23,064,741	3,546	19,223,226	2,632	11,253,712	3,702	16,756,431	[3] 3,608	[3] 20,869,671	19,379,396
Brooklyn, N. Y	19,679	73,017,706	18,083	71,442,148	17,397	71,292,844	10,769	45,865,240	13,756	64,267,301	9,892	39,233,098	37,218,384
Buffalo, N. Y	2,886	7,401,006	2,867	8,686,030	3,049	8,742,082	2,788	6,847,000	3,361	9,895,000	3,494	9,232,000	10,364,000
Cambridge, Mass	470	1,659,875	457	1,458,105	451	2,729,345	425	2,153,070	490	2,249,745	389	2,339,900	2,905,525
Chicago, Ill	16,150	65,000,000	10,641	64,709,325	9,353	59,093,080	10,627	67,234,800	21,941	95,238,380	11,409	96,932,700	105,269,700
Cincinnati, Ohio	3,307	9,709,450	2,130	7,065,746	2,215	7,680,160	3,553	6,428,888	3,181	7,429,529	4,860	8,052,440	13,383,200
Cleveland, Ohio	4,976	9,777,145	7,553	12,972,974	8,174	15,888,407	6,674	9,896,869	6,834	13,028,294	7,460	13,948,413	16,996,957
Columbus, Ohio	2,133	5,107,400	2,025	4,006,175	2,173	4,181,260	1,698	3,400,273	1,790	3,598,601	2,363	5,133,591	4,668,277
Dayton, Ohio	1,176	2,350,000	1,223	2,898,380	1,394	3,837,180	1,193	3,234,280	794	1,700,500	1,082	2,015,000	2,339,385
Denver, Colo	2,455	6,374,537	2,461	7,000,996	2,509	6,349,604	3,117	10,098,020	3,270	11,554,983	2,683	11,319,955	6,084,260
Detroit, Mich	4,021	10,462,100	4,705	13,275,250	4,941	14,226,300	3,662	10,682,170	4,399	14,301,450	5,498	17,415,950	19,012,670
Fall River, Mass	291	885,625	275	939,325	312	1,414,916	399	1,140,927	461	1,146,702	469	1,544,120	2,390,250
Grand Rapids, Mich	1,486	2,145,265	1,250	2,181,307	1,174	2,053,755	1,064	2,181,759	1,290	2,872,427	1,268	2,255,621	2,508,714
Hartford, Conn	664	3,076,092	652	3,732,915	733	4,054,335	676	3,107,348	863	3,440,925	1,053	4,541,979	5,896,244
Indianapolis, Ind	4,041	7,225,325	3,825	5,530,998	3,903	5,893,726	4,013	5,895,928	3,931	7,156,560	5,112	8,194,311	8,349,477
Jersey City, N. J	1,352	3,330,522	1,503	4,334,244	1,687	6,008,014	1,367	4,490,466	1,466	6,882,610	1,522	6,932,570	5,495,222
Kansas City, Kans	818	1,172,093	541	3,622,670	944	1,472,279	792	1,108,472	728	1,196,390	800	1,101,356	867,702
Kansas City, Mo	4,437	10,917,024	3,993	10,765,480	3,943	9,611,922	3,840	10,562,041	4,194	13,367,730	3,637	13,783,196	13,274,791
Los Angeles, Cal	9,543	15,382,057	9,358	18,502,446	7,599	13,304,696	7,371	9,931,377	8,522	13,256,329	10,738	21,684,100	23,004,185
Louisville, Ky	2,255	4,506,382	2,916	5,116,917	2,634	3,078,404	2,909	2,914,141	2,823	2,972,505	2,468	3,996,792	6,310,805
Lowell, Mass	251	878,090	353	901,745	441	1,225,317	497	1,019,081	506	1,328,853	562	1,777,654	1,500,269
Memphis, Tenn	2,882	3,554,883	2,549	4,346,767	2,592	4,957,999	2,519	3,300,508	2,556	4,324,377	3,419	6,280,498	5,859,146