TABLE CI.—*Manufactures, in each State and Territory, by Selected Industries*—1870—Cont'd.

THE STATE OF PENNSYLVANIA—Continued.

Mechanical and manufacturing industries.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Males above 16.	Females above 15.	Youth.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Steel, springs	10	7	...	198	193	...	6	1226000	122202	566023	990763
Stereotyping and electrotyping	11	3	...	558	466	12	80	938000	330034	149150	792700
Stone and earthen ware	198	18	...	1374	1200	43	125	1477240	448315	534808	1659747
Tin, copper, and sheet-iron ware	974	15	...	3631	3315	189	127	3202477	1206277	2423740	5311810
Tobacco, chew'g, smok'g, and snuff	25	8	1	411	172	84	155	420800	115830	276181	854245
Tobacco, cigars	975	...	...	5775	3939	1411	405	1066395	1460359	1982445	5276628
Trunks, valises, and satchels	22	...	...	257	232	19	6	162875	127412	245982	478377
Umbrella furniture	4	4	...	360	164	155	41	244500	130719	190600	429850
Umbrellas and canes	27	1	...	1355	302	1003	50	1016682	343260	1051926	2049793
Upholstery	95	4	...	741	403	283	55	626688	219105	613820	1311743
Varnish	5	1	...	21	21	...	...	123000	12500	120435	336000
Watch-cases	10	3	...	136	123	6	2	145000	89085	275902	443160
Wire	6	1	4	159	153	...	6	422000	89341	513008	667133
Wire-work	1	1	1	238	160	50	19	207100	70425	171485	330240
Wood brackets, moldings, & scrolls	29	10	...	117	113	1	1	137600	63882	105036	257947
Wooden ware	12	7	3	242	177	...	65	398825	92670	185824	502915
Wood, turned and carved	19	20	20	955	836	45	74	553748	337779	320669	1105470
Wool-carding and cloth-dressing	158	52	47	237	162	46	29	210750	40114	205157	395602
Woolen goods	64	9	226	12578	5699	5032	1847	14006785	4340066	17325849	27301897
Worsted goods	403	184	1	3868	1318	1743	807	3350078	1363334	4932940	7883038
Zinc, smelted and rolled	31	28	...	172	172	...	...	283520	94816	165708	341547

THE STATE OF RHODE ISLAND.

Bleaching and dyeing	18	14	7	780	618	108	54	1474000	316994	13842020	15138723
Boots and shoes	16	1	...	300	260	45	1	70000	114475	267595	437254
Bread and other bakery products	25	3	...	180	105	3	12	146000	75302	339220	541324
Carriages and wagons	55	...	8	270	267	1	2	148900	115182	112720	314130
Clothing	100	...	...	1244	431	779	34	509475	383150	787664	1448066
Copper, milled and smelted	1	1	...	25	25	...	...	65000	15000	256110	335920
Cotton goods	142	72	180	10910	5697	2060	3153	18885300	5240333	13325938	22139203
Drugs and chemicals	17	13	3	370	333	43	...	304000	133460	389175	642346
Files	8	4	...	220	199	2	19	749700	122184	102715	373992
Fire-arms, small-arms	1	1	...	153	141	...	12	170000	121515	85659	298017
Flax and linen goods	1	2	...	250	75	125	50	1600000	71500	128000	374400
Flouring-mill products	22	(*)	(*)	82	(*)	(*)	(*)	133400	10060	1119633	1281887
Furniture	18	5	...	290	210	9	71	160450	112290	112412	311620
Gas and lamp fixtures	3	2	...	90	78	10	2	134000	29000	316192	387500
Hair-cloth	2	...	4	148	77	68	3	525000	62008	324921	414310
Hardware	9	2	...	322	273	16	33	394500	154000	236524	649600
India-rubber and elastic goods	2	6	...	845	455	275	115	403000	378582	001053	1804868
Iron, forged and rolled	3	10	...	261	223	...	38	585000	150000	522436	753500
Iron, nails & spikes, cut & wrought	4	4	...	179	137	3	39	250200	131162	293904	450188
Iron, castings, stoves, heaters, and hollow ware	17	13	2	927	909	...	18	1224000	512025	622061	1416105
Jewelry	71	11	2	1579	1191	331	57	1850400	948201	1358831	3042846
Leather, tanned	8	5	2	101	101	...	...	283000	47400	673344	741103
Leather, curried	6	...	...	112	112	...	...	263000	61045	703954	1087161
Machinery, cotton and woolen	70	34	13	3087	3005	25	57	3583000	1770371	1412715	4310376
Marble and stone work, (not spec.)	19	2	...	584	556	10	18	159150	328741	145887	676504
Meat, packed, pork	3	1	...	20	22	...	1	65000	16000	319040	343572
Molasses and sugar, refined	2	5	...	153	152	...	1	258000	40500	1431575	1600980
Oil, vegetable, cotton-seed	1	1	...	60	50	4	...	150000	49000	365000	500000
Plated ware	9	2	...	380	363	14	3	634700	317400	564900	1212240
Printing cotton and woolen goods	9	20	1	2990	2035	351	610	6770000	1028000	14604962	17842480
Printing and publishing, (not spec.)	14	10	...	260	192	8	60	203000	133350	123098	328210
Sash, doors, and blinds	10	5	4	136	131	...	5	132000	77350	251555	402004
Screws	2	3	...	972	426	433	113	7080000	353800	718465	1882318
Soap and candles	15	2	...	80	88	...	6	234200	35785	328156	494500
Tin, copper, and sheet-iron ware	51	...	...	229	220	3	4	156700	91285	140464	319973
Wash'g-mach's & clothes-wringers	3	1	1	72	58	10	4	259000	34300	93275	205900
Woolen goods	65	28	70	6363	3354	2198	811	8167500	2328402	8080948	12558117
Worsted goods	11	15	2	1531	290	986	255	2300000	634090	1730210	2835850

THE STATE OF SOUTH CAROLINA.

Cotton goods, (not specified)	12	...	14	1123	280	508	326	1337000	257680	761460	1529927
Fertilizers	2	3	...	825	825	...	...	350000	23000	365000	425000

* Not separately compiled.

TABLE CI.—*Manufactures, in each State and Territory, by Selected Industries*—1870—Cont'd.

THE STATE OF SOUTH CAROLINA—Continued.

Mechanical and manufacturing industries.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Males above 16.	Females above 15.	Youth.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Flouring-mill products	91	(*)	(*)	182	(*)	(*)	(*)	171150	29619	672549	825465
Lumber	83	(*)	(*)	859	(*)	(*)	(*)	400650	178340	522105	1032194
Machinery, (not specified)	11	7	1	220	207	.....	13	137502	104500	102717	260550
Printing and publishing	13	8	....	182	143	15	24	129550	127100	54725	257155
Tar and turpentine	54	3	1	876	843	16	17	205425	123645	422378	774077

THE STATE OF TENNESSEE.

Mechanical and manufacturing industries.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Males above 16.	Females above 15.	Youth.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Bread and other bakery products	29	1	....	106	104	1	1	50600	50415	151987	257300
Carriages and wagons	220	5	1	818	815	.....	3	495280	297546	320158	938647
Cars, freight and passenger	4	4	....	194	194	.....	....	160000	153412	140212	293624
Clothing	180	....	....	487	212	274	1	178440	155135	239294	597607
Copper, milled and smelted	2	1	1	188	188	.....	....	150000	62000	380470	510677
Cotton goods	28	9	21	890	252	463	175	970650	175150	595789	941542
Flouring-mill products	216	(*)	(*)	675	(*)	(*)	(*)	1390942	161118	4472830	5666098
Furniture	89	11	9	485	427	.....	58	231310	119260	142860	404538
Iron, forged and rolled	18	3	17	337	334	.....	3	253750	130882	130696	369222
Iron, pig	14	11	8	1122	1038	20	64	1103750	379384	439937	1147707
Iron, castings	33	16	4	316	312	.....	4	331392	160501	246594	555111
Leather, tanned	209	9	8	453	440	2	11	451097	87619	660335	921497
Leather, curried	186	2	....	309	306	.....	3	249568	62656	737070	922641
Liquors, distilled	44	21	1	213	199	.....	14	215650	30983	171466	454833
Lumber, planed	20	(*)	(*)	186	(*)	(*)	(*)	166575	82300	341300	525750
Lumber, sawed	318	(*)	(*)	1949	(*)	(*)	(*)	1168125	483407	1238543	2876946
Machinery, (not specified)	21	12	....	211	208	.....	3	224900	106785	200026	387450
Oil, vegetable, cotton-seed	4	4	....	161	157	4	....	190000	75000	272000	490000
Printing and publishing	39	13	....	457	402	21	34	518300	347433	276256	1022600
Saddlery and harness	161	....	....	421	418	.....	3	248405	143070	313935	650071
Sash, doors, and blinds	11	8	2	162	137	.....	25	127100	93330	228042	350280
Tin, copper, and sheet-iron ware	76	....	....	289	283	1	5	250350	112078	183009	437551
Wool-carding and cloth-dressing	133	22	72	265	237	19	9	185793	17860	367623	491847

THE STATE OF TEXAS.

Mechanical and manufacturing industries.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Males above 16.	Females above 15.	Youth.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Carriages and wagons	115	1	....	325	321	.....	4	130585	81162	94588	289124
Cotton goods, (not specified)	4	4	....	291	184	52	55	496000	68211	216519	374598
Flouring-mill products	20	(*)	(*)	62	(*)	(*)	(*)	86200	14890	188775	254264
Hides and tallow	6	6	....	112	109	1	2	65000	25450	115560	272740
Lumber	192	(*)	(*)	1301	(*)	(*)	(*)	634859	339426	548430	1736482
Meat, packed, beef	15	13	....	275	266	4	5	200500	70223	808290	1052106
Saddlery and harness	138	....	....	292	285	.....	7	153590	55941	176518	348307
Sash, doors, and blinds	10	8	....	118	117	.....	1	140000	69804	153520	266400
Tin, copper, and sheet-iron ware	71	....	....	237	224	2	11	154136	82068	140222	334665

THE TERRITORY OF UTAH.

Mechanical and manufacturing industries.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Males above 16.	Females above 15.	Youth.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Lumber	72	(*)	(*)	474	(*)	(*)	(*)	303000	131124	250770	628743

THE STATE OF VERMONT.

Mechanical and manufacturing industries.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Males above 16.	Females above 15.	Youth.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Agricultural implements	45	4	45	372	367	2	3	518150	138327	212964	523669
Boots and shoes	20	1	....	331	280	44	7	141584	137050	240687	547789
Carriages and sleds	169	13	84	823	808	14	1	574670	304081	236238	839029
Cars, freight and passenger	2	1	....	250	246	2	2	175000	120000	332470	452470
Cheese	28	8	....	92	64	28	....	107700	18305	365928	445323
Clothing	63	....	....	372	132	227	13	162570	80415	217946	410842
Cotton goods, (not specified)	8	1	12	451	125	242	84	670000	125000	292269	546510
Flouring-mill products	81	(*)	(*)	235	(*)	(*)	(*)	764550	70244	1825887	2071594
Furniture, (not specified)	47	5	24	413	386	.....	27	439175	184135	200190	540521
Furniture, chairs	33	5	36	323	290	21	12	262200	120362	111373	355085
Hosiery	7	....	7	331	89	216	26	303000	90179	191219	551129
Iron, castings	26	8	15	244	244	.....	....	266200	115267	271718	491520

* Not separately compiled.

TABLE CI.—*Manufactures, in each State and Territory, by Selected Industries*—1870—Cont'd.

THE STATE OF VERMONT—Continued.

Mechanical and manufacturing industries.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Males above 16.	Females above 15.	Youth.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Leather, tanned	86	11	69	321	317	4	....	620743	113415	967840	1249942
Leather, curried	64	3	12	137	137	....	....	156390	44730	619045	762571
Lumber, planed	13	(*)	(*)	1331	(*)	(*)	(*)	2000600	333000	1544215	2526228
Lumber, sawed	347	(*)	(*)	2050	(*)	(*)	(*)	2501056	667029	1504159	3142307
Machinery, (not specified)	37	4	35	401	401	....	....	714283	226210	259728	756080
Marble and stone work, (not spec.)	29	7	19	650	619	....	31	1138600	322205	414481	960984
Musical instruments and materials	2	1	....	204	199	5	....	302000	120200	96390	348999
Saddlery and harness	123	....	....	280	280	....	....	140375	63788	127724	236071
Sash, doors, and blinds	43	9	40	331	311	....	20	286900	131759	234556	518125
Scales and balances	2	2	9	363	363	....	....	280000	336283	529630	1029000
Tin, copper, and sheet-iron ware	97	1	1	339	332	5	2	358150	98083	227522	505005
Woolen goods	43	8	63	1829	896	746	187	2207500	640733	1881955	3550962

THE STATE OF VIRGINIA.

Agricultural implements	37	9	5	267	267	....	....	187128	102886	153094	403457
Bread and other bakery products	43	2	....	163	146	8	9	58675	46100	203864	308264
Carriages and wagons	186	1	....	563	557	2	4	157565	121842	117872	389663
Cars, freight and passenger	7	7	1	469	469	....	....	1205600	258578	330458	613036
Clothing	146	....	....	381	197	176	8	80145	75285	107762	396121
Cotton goods, (not specified)	11	2	19	1741	921	507	313	1128000	220750	937820	1435800
Flouring-mill products	282	(*)	(*)	720	(*)	(*)	(*)	2648050	277450	4776572	6581396
Furniture	126	6	4	311	303	2	6	132042	58025	72492	280832
Iron, forged and rolled	12	....	21	696	696	....	....	810200	329025	1298575	1994146
Iron, nails & spikes, cut & wrought	1	....	2	160	160	....	....	125000	85000	224200	350000
Iron, pig	18	10	11	1036	982	4	50	828700	271220	276173	619820
Iron, castings	54	15	19	541	529	....	12	554235	199275	323762	769274
Leather, tanned	172	5	7	313	307	....	6	211790	43997	331138	462149
Leather, curried	146	2	....	194	193	....	1	90694	18802	259952	328294
Liquors, distilled	49	7	1	140	139	1	....	238635	23341	183595	415990
Lumber, sawed	173	(*)	(*)	1456	(*)	(*)	(*)	596789	281254	642951	1609966
Machinery, (not specified)	26	13	3	443	421	....	22	664727	172723	217266	511485
Printing and publishing	36	6	2	332	305	3	24	249300	193616	148688	429968
Tin, copper, and sheet-iron ware	80	....	....	251	239	1	11	120357	64431	125646	296998
Tobacco, chew'g, smok'g, and snuff	94	25	2	7414	4256	1311	1847	1361700	1149331	4039372	6935249
Woolen goods	19	1	20	203	121	51	31	391500	56527	208614	352829

THE TERRITORY OF WASHINGTON.

Flouring-mill products	11	(*)	(*)	24	(*)	(*)	(*)	145500	14080	188298	282728
Lumber, planed	4	(*)	(*)	55	(*)	(*)	(*)	105000	30000	377000	605000
Lumber, sawed	19	(*)	(*)	417	(*)	(*)	(*)	1174800	381700	565044	1267310

THE STATE OF WEST VIRGINIA.

Carriages and wagons	50	5	1	243	229	....	14	216295	100330	85889	303690
Clothing, men's	41	....	....	291	193	98	....	111848	84310	229566	399049
Coal-oil, rectified	10	10	....	82	81	....	1	125050	22850	320255	432650
Cooperage	101	6	....	549	545	....	4	125632	140243	233583	488476
Flouring-mill products	68	(*)	(*)	179	(*)	(*)	(*)	810300	50678	1860546	2239799
Iron, forged and rolled	9	15	....	1498	1462	2	34	1185800	1016987	2424646	4025620
Iron, nails & spikes, cut & wrought	8	8	....	1156	769	9	378	988000	722460	3689207	4665000
Iron, pig	5	5	1	317	297	....	20	434000	179720	243300	577200
Iron, castings, (not specified)	16	11	....	148	145	....	3	286900	81988	159224	291972
Iron, castings, stoves, heaters, and hollow ware	8	7	....	137	136	....	1	175200	85500	110870	274100
Leather, tanned	104	13	4	220	213	1	6	362890	47454	374292	527016
Leather, curried	74	2	....	108	106	....	2	93489	21438	252386	313229
Lumber	144	(*)	(*)	1156	(*)	(*)	(*)	877700	330451	602861	1344512
Salt	18	72	1	661	652	4	5	1631000	290800	384855	1507605
Tobacco, cigars	42	....	....	177	144	12	21	40875	67899	70206	268348
Woolen goods	29	16	19	250	145	75	30	183900	55590	222275	370191

* Not separately compiled.

TABLE CI.—*Manufactures, in each State and Territory, by Selected Industries*—1870—Cont'd.

THE STATE OF WISCONSIN.

Mechanical and manufacturing industries.	Establishments.	Steam-engines.	Water-wheels.	All hands.	Males above 16.	Females above 15.	Youth.	Capital. (Dollars.)	Wages. (Dollars.)	Materials. (Dollars.)	Products. (Dollars.)
Agricultural implements	82	31	6	1387	1360	5	24	1494700	663392	966739	2393428
Boats	7	3	....	208	206	....	....	54400	139200	59055	273000
Boots and shoes	78	....	....	927	903	21	3	637047	343754	653319	1181677
Bread and other bakery products	53	4	....	191	184	1	6	127250	58152	256631	410227
Brick	79	12	....	1133	1086	2	45	456050	198445	125361	509406
Carriages and wagons	485	22	2	2184	2134	....	50	1252476	762705	900170	2596534
Clothing	263	....	....	1902	1005	810	27	1096575	539701	1368947	2340458
Coffee & spices, roasted and ground	4	3	....	32	24	....	8	92410	22140	249031	325915
Cooperage	250	3	1	717	699	....	18	207040	160083	291904	627190
Flouring-mill products	306	(*)	(*)	1344	(*)	(*)	(*)	4397400	448906	13410427	16035734
Furniture	188	30	21	1844	1588	151	105	1793505	578880	515053	1542356
Iron, forged and rolled	1	....	....	642	630	....	12	100000	374078	733430	1129562
Iron, pig	6	6	4	592	592	....	....	865000	122580	511645	737268
Iron, castings, (not specified)	66	35	7	564	553	....	11	634000	310506	589497	1137324
Iron, castings, stoves, heaters, and hollow ware	8	5	2	155	143	....	12	126500	61846	130902	285869
Lead, pig	13	....	6	91	91	....	....	91000	28902	459929	514402
Leather, tanned	85	40	5	577	573	....	4	906184	229010	1478142	2013693
Leather, curried	70	2	....	322	317	5	....	407806	120789	2010990	2360347
Lime	53	1	....	312	312	....	....	228180	81072	152801	307729
Liquors, distilled	8	7	....	104	102	....	2	171000	30850	232415	425340
Liquors, malt	176	27	2	835	819	9	7	2108150	258808	935046	1700273
Lumber, planed	22	(*)	(*)	223	(*)	(*)	(*)	217000	80492	392800	575770
Lumber, sawed	544	(*)	(*)	10905	(*)	(*)	(*)	11054795	3710068	7239813	14806761
Machinery, (not specified)	44	22	9	311	311	....	....	312024	156018	232160	555506
Machinery, steam engines & boilers	17	12	....	448	447	....	1	521000	236866	245887	738410
Paper	6	3	7	207	156	46	5	445000	83536	225197	373200
Printing and publishing	66	9	....	613	527	44	42	513250	274125	375267	855115
Saddlery and harness	260	....	1	672	665	....	7	342211	135385	344867	711695
Sash, doors, and blinds	81	62	16	1361	1278	....	103	1413793	502170	887269	1852379
Soap and candles	16	4	....	69	57	3	9	103430	18927	178401	280685
Tin, copper, and sheet-iron ware	225	....	....	605	590	2	13	388939	148299	350784	769470
Tobacco, chewing and smoking	4	4	....	128	60	10	58	190000	43000	251000	495000
Tobacco, cigars	109	....	....	597	509	6	82	308230	173694	258854	605032
Wooden ware	6	3	10	361	295	....	66	188700	131800	150136	342198
Woolen goods	48	9	46	736	469	205	62	1211289	225611	581663	1115646

* Not separately compiled.

[*Continued from page* 847.]

Examination of the table within the text on page 847 shows that the first class of industries, with a reported gross product of $143,000,000, yields a net product only $5,000,000 less than that of the fifth class, which has a gross product of $841,000,000, while the wages paid in the first class exceed those paid in the fifth by 131 per cent. Nothing, perhaps, could set in a stronger light the necessity of considering all statements of manufacturing production in connection with the value of materials consumed and the cost of labor. Here are two groups of industries, the one reaching the gigantic total of $841,000,000, the other aggregating but one-sixth as much; yet the latter makes a clear addition to the wealth of the country equal to 96 per cent. of the net production of the former, and actually pays more than twice as much in wages.

The calculations which have been added to show the number of dollars' worth of wages and of materials, separately and combined, in each hundred dollars of product, and also the average value of production, gross and net, to each hand employed, are well worth studying.

It appears that the value of the materials consumed in the several groups of industries range from $10.07 to $84.10 in each $100 of product; that the amount of wages ranges (going, so to speak, in the opposite direction) from $51.30 to $3.77 in each $100 of product, while the gross product per capita ranges from $843.51 to $8,285.44, and the net product ranges from $758.54 to $1,316.64. The reason for these astonishing differences is not found chiefly in any difference in the quality of labor, or in the more extensive application of machinery in one class than in another, but, almost wholly, in the treatment of this subject of the materials consumed in the successive industries and classes of industries.

Defects of the census law.—The Tables of Manufacturing Industry probably show more clearly than any other conspicuous portion of these volumes the importance of additional legislation in respect to the census. The industry of the United States has

[Continued on page 885.]

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870.

NOTE.—Each of these groups is a combination of certain of the Industries specified in Table XCIX. Such combinations as are here attempted must, at the best, fall short of theoretical exactness, and in some cases will be found only approximately correct. For example, in dealing with the group of industries producing building-materials, it is wholly impracticable to separate from the manufactures of iron those parts which go to the building of houses, stores, factories, bridges, &c., and the group is, therefore, left incomplete to just this extent. Again, in the group dealing with the preparation of food for man, foreign elements are manifestly included to a small extent, as in the case of provender for horses and cattle, embraced in the productions of grist and flouring mills. Many other such instances might be noted. Still, it is believed that these combinations will be found highly convenient for many of the purposes to which the statistics of production are applied, and that substantial accuracy may be claimed for the results, after the one broad exception has been made as to the completeness of the returns relating to the common trades of carpentering, painting, plastering, and plumbing.

BRASS, CAST AND ROLLED, AND BRASS-WARE.

[Includes Brass and copper tubing, (chiefly brass;) Brass founding and finishing; Brass, rolled; and Brass-ware.]

States and Territories.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
The United States ..	319	165	20	4,703	6,793,435	2,411,232	5,252,282	10,459,735
Alabama	1	.....	.....	2	300	200	5,014	7,500
California	7	6	.....	100	71,600	61,139	59,390	187,500
Connecticut	29	9	10	863	1,494,600	465,941	1,188,397	2,404,990
District of Columbia	1	1	.....	32	3,600	11,000	14,002	59,500
Illinois	5	4	.....	115	111,800	68,020	61,693	180,500
Indiana	9	8	.....	54	71,000	26,670	47,532	103,200
Iowa	1	1	.....	6	3,000	2,000	800	5,200
Kansas	1	.....	.....	4	300	2,000	1,105	4,055
Kentucky	3	2	.....	11	9,550	3,000	8,159	17,700
Louisiana	2	1	.....	7	2,800	2,500	1,872	6,500
Maine	9	4	1	27	40,000	9,530	30,712	71,559
Maryland	5	4	.....	136	58,000	61,559	85,676	255,435
Massachusetts	32	12	3	550	422,550	250,486	748,561	1,259,305
Michigan	6	2	1	43	31,650	20,415	29,088	59,880
Missouri	10	5	.....	147	203,500	91,270	101,175	292,500
New Hampshire	3	2	.....	45	19,000	25,000	46,510	92,500
New Jersey	21	6	2	287	236,950	125,065	285,558	499,194
New York	67	38	.....	985	1,139,200	557,036	992,290	1,991,707
North Carolina	1	.....	.....	2	200	300	356	900
Ohio	24	15	1	241	262,950	119,613	162,885	394,015
Pennsylvania	68	39	2	899	2,205,985	425,140	1,157,622	2,144,055
Rhode Island	8	4	.....	123	369,000	71,316	200,861	393,000
South Carolina	1	.....	.....	2	4,500	864	332	3,000
Tennessee	1	1	.....	9	20,000	7,000	6,500	16,000
Vermont	1	.....	.....	3	5,000	1,368	2,000	3,500
Virginia	1	.....	.....	2	200	300	375	800
West Virginia	1	.....	.....	1	200	500	92	740
Wisconsin	1	1	.....	7	6,000	2,000	4,725	5,000

BUILDING, (NOT MARINE.)

[Includes Bridge-building; Carpentering and building; Marble and stone work; Masonry, brick and stone; Painting; Paperhanging; Plastering; and Plumbing and gasfitting.]

The United States ..	24,908	511	117	112,820	49,168,863	49,741,376	95,694,685	201,572,541
Alabama	158	1	.....	408	64,895	153,025	179,444	509,383
Arizona	2	.....	.....	5	3,000	2,040	1,950	4,500
Arkansas	73	.....	.....	156	23,920	35,730	72,582	210,139
California	368	11	.....	1,075	398,770	630,096	868,378	2,100,212
Colorado	35	.....	.....	130	63,100	96,250	121,980	303,210
Connecticut	589	10	2	3,108	1,087,120	1,607,035	2,603,650	5,435,305
Delaware	40	2	.....	323	207,100	140,741	213,482	450,376
District of Columbia	138	.....	.....	1,007	405,050	543,551	936,144	1,905,618
Florida	134	2	.....	321	56,600	134,670	370,335	636,435
Georgia	231	1	.....	797	214,180	231,611	475,017	1,168,933
Idaho	14	.....	.....	18	1,775	2,200	16,245	35,400
Illinois	1,437	27	.....	5,800	1,950,722	2,240,953	4,342,563	9,410,073
Indiana	1,317	21	.....	4,245	786,413	1,196,130	2,081,734	4,916,500
Iowa	1,159	3	.....	3,083	418,716	700,795	1,855,310	3,729,440
Kansas	250	2	.....	1,084	254,082	394,545	985,578	1,991,717
Kentucky	421	7	.....	1,503	528,275	528,583	1,233,647	2,606,641
Louisiana	223	5	.....	569	131,265	193,329	420,563	875,745
Maine	466	2	5	1,755	404,388	688,920	830,269	2,178,543

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

BUILDING, (NOT MARINE)—Continued.

States and Territories.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Maryland	337	2	1	1,487	624,707	509,599	1,557,694	2,735,687
Massachusetts	1,618	55	10	11,221	4,161,562	6,331,031	9,663,646	20,524,070
Michigan	1,070	19	5	4,416	1,298,618	1,525,156	2,801,667	5,746,060
Minnesota	315	5	.....	963	157,170	347,708	715,590	1,418,440
Mississippi	219	2	.....	369	111,928	74,832	458,855	722,303
Missouri	2,304	33	.....	9,516	4,971,057	4,597,371	12,606,879	25,158,557
Montana	14	.....	1	21	4,830	6,025	19,220	43,100
Nebraska	117	.....	.....	285	66,155	113,387	356,850	651,250
Nevada	26	.....	.....	55	13,450	16,900	32,425	104,050
New Hampshire	179	4	7	800	544,075	344,331	457,068	1,070,252
New Jersey	766	27	2	5,190	2,187,142	2,693,513	5,616,181	10,406,351
New Mexico	43	.....	.....	56	16,600	9,725	20,063	48,499
New York	2,711	93	37	16,326	8,851,068	8,616,229	13,535,874	30,348,481
North Carolina	116	3	2	326	85,180	72,232	89,771	242,121
Ohio	2,415	56	3	8,668	2,915,681	2,793,449	5,514,905	11,675,875
Oregon	150	1	.....	396	96,195	115,609	280,938	619,352
Pennsylvania	3,023	70	10	17,681	12,100,831	8,502,775	18,431,997	38,348,344
Rhode Island	279	16	1	2,923	1,072,555	1,632,245	2,235,974	4,727,096
South Carolina	75	.....	1	476	297,535	85,197	182,838	360,150
Tennessee	420	5	1	1,099	299,644	278,207	610,244	1,473,604
Texas	160	3	.....	437	196,105	144,307	362,070	725,332
Utah	56	.....	.....	72	13,705	14,300	44,510	86,920
Vermont	247	10	26	1,205	1,224,935	459,758	628,147	1,483,838
Virginia	366	6	1	1,095	209,992	264,667	562,602	1,287,823
Washington	46	.....	.....	74	18,535	20,820	45,310	103,923
West Virginia	140	3	.....	410	127,495	117,460	172,064	467,201
Wisconsin	621	4	2	1,857	502,742	533,439	1,082,417	2,516,002

BUILDING-MATERIALS.

[Includes Brick; Building-stone, artificial; Cement; Glass, window; Lumber, planed and sawed; Paints and putty; Paints, lead and zinc; Roofing-materials; Sash, doors, and blinds; and Marble and stone quarrying.]

The United States	33,207	13,751	17,220	251,582	233,005,203	78,126,900	173,198,451	356,140,945
Alabama	308	120	130	1,724	858,605	444,325	635,838	1,731,863
Arizona	1	1	.....	16	5,000	6,000	1,600	10,000
Arkansas	229	130	24	1,260	799,975	305,971	628,769	1,571,703
California	373	220	125	5,508	4,779,640	2,294,261	2,931,622	7,528,777
Colorado	42	25	11	299	191,450	113,511	197,800	465,420
Connecticut	524	53	398	3,682	3,166,171	1,533,123	1,981,269	4,673,249
Dakota	10	9	2	68	37,400	14,256	32,772	72,280
Delaware	105	44	52	830	678,116	246,205	409,317	873,647
District of Columbia	24	12	.....	586	248,600	195,450	252,950	606,800
Florida	111	70	15	1,187	785,290	448,620	1,184,738	2,303,980
Georgia	600	205	339	4,310	2,099,193	1,013,630	2,136,618	5,251,459
Idaho	11	5	6	50	70,750	19,524	21,877	61,180
Illinois	956	623	34	10,937	7,934,468	3,524,026	9,531,638	17,349,245
Indiana	2,314	1,607	310	13,231	8,283,615	2,916,816	7,363,442	16,330,978
Iowa	733	439	122	5,487	4,750,265	1,502,947	4,300,438	7,698,805
Kansas	230	156	22	1,534	763,105	365,848	850,426	1,905,451
Kentucky	632	406	105	3,726	2,838,286	965,267	2,750,409	5,544,315
Louisiana	193	151	7	1,757	852,470	542,295	946,690	2,116,295
Maine	1,339	103	1,704	10,560	7,989,163	3,143,156	7,474,631	13,268,892
Maryland	516	133	278	4,361	3,409,755	1,424,304	2,423,696	5,374,161
Massachusetts	982	210	740	9,642	9,597,499	3,953,457	9,840,608	17,646,657
Michigan	1,934	1,320	594	23,556	29,716,300	7,473,489	16,206,170	35,849,595
Minnesota	294	137	127	3,694	3,851,348	1,121,371	2,555,695	5,112,160
Mississippi	291	204	48	2,229	1,283,017	636,844	963,443	2,420,258
Missouri	1,096	646	87	7,626	7,234,771	2,748,026	7,654,054	16,030,614
Montana	36	12	21	178	153,675	88,091	177,648	453,057
Nebraska	71	30	18	341	189,100	77,576	137,498	361,650
Nevada	23	15	9	357	220,800	178,356	162,050	507,000
New Hampshire	841	77	1,025	4,678	3,022,898	1,206,542	2,859,276	5,512,829
New Jersey	544	175	274	7,049	8,990,760	2,864,188	5,162,548	10,484,342
New Mexico	12	2	10	63	47,100	35,425	40,083	121,225
New York	4,814	1,090	3,809	32,876	29,136,304	10,130,828	23,452,802	45,955,511
North Carolina	550	146	341	2,624	1,289,900	449,893	1,079,288	2,231,913
Ohio	3,000	1,910	595	15,785	12,698,019	4,160,129	9,395,044	19,605,922
Oregon	191	50	140	812	1,070,462	313,403	418,418	1,191,243

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

BUILDING-MATERIALS—Continued.

States and Territories.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Pennsylvania	4,837	1,541	3,220	33,797	43,546,667	12,016,906	27,270,756	55,630,364
Rhode Island	95	25	69	583	538,000	172,298	486,163	891,642
South Carolina	238	88	114	1,415	722,525	230,536	632,559	1,313,470
Tennessee	775	334	294	3,818	2,320,546	839,032	2,098,175	4,584,206
Texas	366	236	31	2,170	1,108,216	516,489	864,111	2,452,771
Utah	100	18	75	566	349,300	144,283	270,991	673,731
Vermont	793	74	844	5,510	7,145,601	1,665,013	3,610,450	7,428,470
Virginia	662	211	386	2,850	1,211,408	460,691	980,072	2,504,047
Washington	62	33	27	580	1,428,402	428,760	970,309	1,950,655
West Virginia	380	167	186	1,892	1,374,825	468,253	793,707	1,839,714
Wisconsin	941	482	452	15,505	14,015,913	4,622,986	8,954,993	18,387,399
Wyoming	8	6	.....	213	110,500	104,500	99,000	268,000

BUILDING, (MARINE.)

[Includes boats; Iron ship-building and marine engines; Oakum; Oars; Blocks and spars; Ship-building, ship-materials and repairs.]

The United States	971	183	14	14,051	11,742,576	7,123,806	9,727,820	21,956,337
California	21	1	.....	82	57,650	70,640	126,277	254,520
Connecticut	36	5	2	457	369,600	267,310	361,710	913,320
Delaware	5	3	.....	771	435,500	364,026	476,815	1,003,100
District of Columbia	5	1	.....	17	11,000	5,556	3,357	13,800
Florida	8	1	.....	20	8,125	4,950	16,825	30,125
Georgia	2	.....	.....	11	1,800	3,800	7,372	14,700
Illinois	13	4	.....	309	296,200	156,739	188,100	440,338
Indiana	9	8	.....	301	156,250	194,853	166,899	424,390
Iowa	3	.....	.....	51	16,020	13,500	8,905	43,930
Kentucky	8	1	.....	56	33,100	14,326	20,045	56,500
Louisiana	14	5	.....	104	297,700	127,500	69,915	326,230
Maine	116	4	.....	1,810	908,173	629,335	1,267,146	2,365,745
Maryland	34	4	.....	323	176,300	118,596	136,343	373,534
Massachusetts	116	21	1	1,230	1,243,850	749,123	937,504	2,149,371
Michigan	28	8	.....	645	551,000	236,031	274,114	717,384
Minnesota	4	.....	.....	12	3,450	2,750	2,030	7,100
Missouri	5	10	.....	226	350,200	192,300	196,850	537,000
New Hampshire	6	1	.....	31	16,200	9,600	23,063	40,950
New Jersey	53	7	1	516	574,850	256,200	592,653	1,040,582
New York	233	28	7	2,909	2,757,000	1,630,516	2,701,082	5,616,120
North Carolina	3	2	.....	23	23,500	10,480	1,580	18,000
Ohio	53	18	.....	811	712,918	377,693	305,445	897,260
Oregon	2	.....	.....	2	700	.....	836	1,055
Pennsylvania	140	35	3	2,726	2,394,840	1,332,840	1,578,105	3,777,483
Rhode Island	15	3	.....	66	41,400	28,400	27,990	86,750
South Carolina	7	2	.....	27	26,800	11,740	12,525	45,650
Tennessee	1	1	.....	50	10,000	35,000	20,000	150,000
Texas	4	.....	.....	19	2,500	10,150	10,031	21,925
Vermont	4	1	.....	95	137,000	87,000	63,250	157,900
Virginia	7	2	.....	41	24,950	11,450	10,670	42,700
Washington	6	.....	.....	27	12,600	10,796	10,828	28,675
West Virginia	3	4	.....	66	38,000	21,400	50,500	86,300
Wisconsin	7	3	.....	208	54,400	139,200	59,055	273,000

COPPER MILLED, AND SMELTED, AND WROUGHT.

[Includes Copper, milled and smelted; Copper, rolled; and Coppersmithing.]

The United States	99	59	17	1,991	5,506,800	1,123,558	13,201,289	15,796,750
Arizona	1	1	.....	2	50,000	400	3,200	5,000
California	6	1	.....	23	12,500	15,320	16,171	61,550
Connecticut	4	1	2	136	580,000	92,375	850,810	1,175,400
Delaware	1	.....	.....	12	10,000	6,000	7,730	14,725
Illinois	2	2	.....	16	9,500	7,660	16,542	31,862
Maryland	9	1	3	164	851,700	109,250	1,125,306	1,079,125

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

COPPER MILLED, AND SMELTED, AND WROUGHT—Continued.

States and Territories.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Massachusetts	12	6	6	294	1,262,250	173,450	1,060,017	1,491,260
Michigan	19	37	.....	636	1,591,000	350,909	8,499,496	9,260,976
Missouri	1	1	.....	128	200,000	100,000	250,000	500,000
New Jersey	2	2	5	47	151,600	37,000	303,000	506,000
New York	18	3	.....	174	173,500	79,023	166,717	283,450
North Carolina	2	.....	.....	6	4,000	1,850	4,305	9,800
Ohio	1	.....	.....	4	2,500	1,150	32,800	39,680
Oregon	1	.....	.....	4	2,000	2,000	500	4,000
Pennsylvania	13	2	.....	113	386,950	63,831	302,555	407,525
Rhode Island	1	1	.....	25	65,000	15,000	256,110	335,920
Tennessee	5	1	1	197	152,300	66,900	395,070	525,177
Wisconsin	1	.....	.....	10	2,030	1,500	900	5,300

FIRE-ARMS AND AMMUNITION.

[Includes Ammunition; Cartridges; Gunpowder; Lead, shot; Fire-arms; Gunsmithing.]

The United States	709	66	152	5,835	9,583,502	3,667,202	5,140,181	12,748,419
Alabama	16	.....	.....	26	18,225	4,485	5,032	22,850
Arkansas	8	.....	.....	9	4,650	300	2,065	6,950
California	21	3	2	111	680,100	77,510	425,448	831,977
Colorado	4	.....	.....	6	7,100	3,000	3,800	11,000
Connecticut	20	14	43	2,171	2,930,600	1,547,643	1,384,167	3,840,523
Delaware	1	3	40	318	1,400,000	180,000	418,854	737,800
District of Columbia	4	.....	.....	6	2,000	2,100	1,180	5,828
Florida	3	.....	.....	3	2,100	.....	1,225	4,400
Georgia	21	.....	.....	30	13,215	4,050	4,105	26,289
Idaho	1	.....	.....	1	2,500	.....	500	2,000
Illinois	51	1	.....	83	107,500	17,910	183,134	274,911
Indiana	37	.....	.....	54	18,275	5,862	14,926	43,505
Iowa	19	1	.....	31	35,350	6,350	79,370	120,310
Kansas	7	.....	.....	11	3,350	1,500	2,025	7,200
Kentucky	20	.....	.....	28	7,775	2,985	6,620	20,410
Louisiana	9	.....	.....	24	3,800	7,050	3,805	15,500
Maine	5	1	.....	14	9,600	2,700	1,884	8,500
Maryland	8	1	.....	31	47,250	9,766	61,015	78,554
Massachusetts	24	11	15	570	859,500	438,551	255,770	1,203,477
Michigan	33	2	.....	53	43,750	7,730	7,836	37,775
Minnesota	11	.....	.....	12	6,325	900	1,950	9,910
Mississippi	15	.....	.....	20	9,925	2,330	4,482	19,084
Missouri	46	.....	.....	108	66,100	36,974	51,725	157,788
Montana	4	.....	.....	8	1,960	3,325	1,100	9,200
Nebraska	2	.....	.....	5	6,500	2,700	1,055	7,100
Nevada	4	.....	.....	7	2,000	2,400	2,600	6,900
New Hampshire	6	2	.....	11	6,700	1,230	2,045	7,500
New Jersey	5	.....	.....	56	41,150	30,180	6,810	54,740
New York	64	9	20	1,093	1,500,650	861,257	1,203,333	3,052,311
North Carolina	14	.....	.....	22	4,825	2,450	3,754	14,484
Ohio	44	2	8	113	267,940	43,769	134,170	316,653
Oregon	5	.....	.....	6	8,100	500	1,807	6,000
Pennsylvania	80	11	17	458	1,189,612	191,117	711,941	1,254,258
Rhode Island	2	1	.....	155	170,500	122,115	85,959	300,517
South Carolina	4	.....	.....	6	950	500	380	4,600
Tennessee	25	.....	1	61	42,400	16,185	37,602	105,954
Texas	24	.....	.....	25	5,700	600	2,027	10,275
Utah	3	.....	.....	6	1,200	1,450	1,525	7,000
Vermont	4	1	.....	7	3,300	1,700	1,102	4,660
Virginia	15	1	.....	29	12,275	8,610	3,155	24,400
Washington	1	.....	.....	1	600	.....	500	1,250
West Virginia	5	.....	.....	8	2,000	200	911	4,671
Wisconsin	15	2	6	38	35,550	11,218	16,578	61,305

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

FOOD AND FOOD PREPARATIONS.

[Includes Bread, crackers, and other bakery products; Butchering; Cheese; Chocolate; Coffee and spices, roasted and ground; Fish, cured and packed; Fish and oysters, canned; Flouring and grist mill products; Food preparations, animal; Food preparations, vegetable; Food preparations, vermicelli and maccaroni; Fruits and vegetables, canned; Meat, cured and packed; Meat, packed, beef; Meat, packed, pork; Mustard, ground; Preserves and sauces. This table does not include cheese made on farms, nor butter.]

States and Territories.	Establishments.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
The United States	28,727	6,199	21,263	96,883	198,874,861	25,780,682	482,462,947	609,365,571
Alabama	627	129	554	1,245	1,214,906	192,469	4,062,516	4,989,095
Arizona	3	1	1	24	20,600	16,200	49,540	78,210
Arkansas	277	114	99	615	482,201	68,152	1,390,323	1,683,031
California	224	90	59	1,215	3,268,240	665,289	8,731,210	11,400,170
Colorado	25	6	17	65	193,000	38,620	451,146	638,136
Connecticut	332	21	314	947	1,618,758	206,439	5,128,095	6,215,822
Dakota	2	.....	4	5	13,000	2,450	60,600	80,990
Delaware	120	13	108	770	898,404	116,418	1,902,626	2,400,914
District of Columbia	100	2	11	360	779,640	109,808	1,773,709	2,270,262
Florida	147	46	64	290	130,925	35,751	448,057	572,288
Georgia	1,122	106	1,227	2,456	3,143,918	360,132	9,282,456	11,362,775
Idaho	3	.....	6	10	72,000	6,800	162,500	211,010
Illinois	1,217	794	368	8,041	23,219,897	2,797,035	57,811,034	71,368,408
Indiana	1,118	545	630	4,144	10,444,471	1,105,573	23,555,587	29,180,601
Iowa	595	205	542	2,431	6,877,998	692,072	13,319,500	17,292,945
Kansas	129	62	39	465	1,096,650	185,191	2,317,403	3,033,140
Kentucky	740	320	321	1,939	2,869,443	395,403	6,802,239	8,474,902
Louisiana	355	40	16	959	426,781	188,253	1,265,349	1,807,648
Maine	360	24	396	1,807	1,805,170	383,247	5,465,180	7,219,133
Maryland	738	55	511	5,236	4,625,615	870,947	9,523,318	12,132,288
Massachusetts	559	88	410	3,005	4,407,944	1,182,636	15,672,183	19,180,021
Michigan	650	174	719	2,445	7,607,072	784,048	19,348,286	22,961,907
Minnesota	261	40	281	943	3,105,340	356,756	6,354,276	7,940,648
Mississippi	372	133	166	727	641,693	86,681	1,723,058	2,066,567
Missouri	1,062	501	257	5,190	13,960,507	2,058,695	37,775,106	49,319,754
Montana	17	.....	8	44	141,200	31,400	409,692	555,714
Nebraska	90	20	49	270	686,500	109,574	1,345,517	1,895,098
Nevada	13	4	3	31	50,200	6,650	85,725	113,770
New Hampshire	217	10	389	479	730,040	107,400	2,664,814	2,992,025
New Jersey	682	58	525	3,706	5,879,600	827,597	13,071,666	16,135,831
New Mexico	39	4	30	86	225,800	35,261	446,602	732,467
New York	3,315	384	2,419	13,361	28,768,512	4,275,275	72,854,252	91,192,499
North Carolina	1,429	74	1,351	2,708	2,612,830	255,382	6,473,956	7,647,207
Ohio	2,082	683	1,185	7,557	17,295,632	2,012,098	41,582,420	50,256,841
Oregon	78	8	64	233	1,202,745	129,551	1,445,064	2,233,547
Pennsylvania	4,034	656	3,281	10,526	26,536,455	2,601,513	53,365,509	66,564,919
Rhode Island	113	17	51	422	510,930	148,814	2,675,474	3,191,365
South Carolina	641	80	537	1,209	872,014	130,591	2,733,633	3,322,292
Tennessee	1,089	187	885	2,328	2,980,584	376,248	8,988,748	11,130,688
Texas	571	249	85	1,566	1,384,888	251,136	3,180,885	4,094,613
Utah	74	.....	77	130	430,408	44,930	582,955	782,846
Vermont	258	20	436	674	1,471,750	152,289	3,868,204	4,608,191
Virginia	1,608	37	1,044	2,862	5,400,721	397,128	10,791,656	13,068,348
Washington	25	2	19	46	220,147	18,000	226,013	337,207
West Virginia	492	92	436	803	1,551,607	103,283	3,326,180	4,007,237
Wisconsin	722	105	669	2,508	6,997,725	776,597	17,947,625	21,613,111

FURNITURE AND HOUSE-FIXTURES, (EXCLUSIVE OF STOVES AND HOLLOW-WARE.)

[Includes Furniture, (not specified;) Chairs; Iron bedsteads; Refrigerators; Looking-glasses; and Looking-glass and picture frames.]

The United States	6,312	939	596	57,091	46,766,933	23,304,956	28,516,549	75,539,719
Alabama	21	.....	1	40	21,755	10,860	12,063	35,694
Arkansas	23	1	.....	65	20,675	17,390	20,753	70,646
California	57	9	.....	319	273,550	218,281	246,035	776,412
Colorado	4	.....	.....	14	14,600	11,590	40,100	76,000
Connecticut	71	11	10	932	873,050	412,624	531,442	1,294,808
Delaware	7	.....	1	44	78,500	17,792	13,979	57,791

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

FURNITURE AND HOUSE-FIXTURES, (EXCLUSIVE OF STOVES AND HOLLOW-WARE)—Continued.

States and Territories.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
District of Columbia	33	.....	.....	65	27,725	21,582	36,945	90,085
Florida	8	.....	.....	16	4,250	4,580	4,150	15,000
Georgia	77	4	11	267	85,900	70,037	65,875	214,203
Idaho	1	.....	.....	2	1,000	.....	800	1,800
Illinois	382	73	4	2,440	1,923,931	986,294	1,042,130	3,075,852
Indiana	356	75	16	3,206	2,565,809	1,235,844	1,414,074	3,839,880
Iowa	226	22	6	964	672,325	296,043	342,014	986,653
Kansas	53	6	.....	208	120,605	91,096	89,973	286,381
Kentucky	92	17	.....	992	760,355	422,872	553,472	1,486,977
Louisiana	28	1	.....	72	21,500	24,600	44,005	99,100
Maine	106	6	32	476	196,200	131,516	137,007	412,808
Maryland	152	16	.....	1,242	896,270	489,294	631,088	1,533,238
Massachusetts	381	86	121	10,259	6,497,775	3,799,469	5,422,627	12,744,659
Michigan	255	64	24	2,695	2,164,745	751,168	790,697	2,235,738
Minnesota	87	8	2	401	302,900	143,281	137,977	450,772
Mississippi	24	1	.....	50	18,720	6,328	50,498	88,796
Missouri	280	32	.....	2,074	2,745,180	1,099,001	1,709,718	4,004,749
Montana	2	.....	.....	4	1,000	3,200	545	3,000
Nebraska	17	.....	.....	29	22,605	11,313	18,835	43,430
Nevada	8	.....	.....	17	23,900	11,200	17,300	39,600
New Hampshire	81	10	59	1,377	974,485	614,133	782,765	1,772,032
New Jersey	100	12	3	761	648,100	287,992	311,606	851,784
New Mexico	1	.....	.....	1	1,000	.....	100	1,000
New York	1,006	155	143	10,885	9,895,063	5,399,410	7,046,019	18,379,797
North Carolina	54	1	5	133	31,520	19,737	16,870	67,625
Ohio	629	143	13	6,519	5,839,590	2,598,942	2,243,120	7,083,085
Oregon	30	5	8	60	59,600	15,292	35,233	81,292
Pennsylvania	999	109	34	6,350	5,686,553	2,773,026	3,355,908	9,389,503
Rhode Island	18	5	.....	290	166,450	112,290	112,412	311,620
South Carolina	12	.....	.....	20	7,165	2,200	3,539	14,552
Tennessee	94	11	9	494	237,610	121,860	150,460	417,138
Texas	55	4	.....	141	98,400	44,190	109,817	212,536
Utah	26	1	8	84	33,150	26,895	20,291	64,681
Vermont	81	10	60	738	701,875	304,797	312,563	898,106
Virginia	128	6	4	316	133,542	58,797	73,128	284,032
Washington	4	.....	.....	11	9,350	1,700	3,075	8,800
West Virginia	47	5	1	155	84,850	50,460	33,930	144,533
Wisconsin	196	30	21	1,863	1,823,805	583,980	531,606	1,585,031

IRON AND MANUFACTURES OF IRON.

[Includes Iron anchors and cable chains; Iron, bolts, nuts, washers, and rivets; Iron, blooms; Iron, castings, stoves, heaters, and hollow-ware; Iron, forged and rolled; Iron, pig; Iron railing, wrought; Iron pipe, wrought; Iron, ship-building and marine-engines.]

The United States	3,726	3,086	898	137,545	198,356,116	73,027,976	193,208,218	322,128,698
Alabama	22	20	5	455	566,100	197,440	207,286	570,148
Arkansas	2	1	.....	9	3,500	3,500	4,800	10,000
California	34	32	.....	863	1,291,470	519,356	920,614	1,715,141
Colorado	1	1	.....	18	25,000	20,000	32,500	55,000
Connecticut	122	57	57	3,795	5,210,650	2,200,797	3,658,411	7,469,211
Delaware	26	32	3	837	1,224,042	414,626	1,398,677	2,050,657
District of Columbia	6	5	.....	85	219,200	45,982	63,640	132,905
Georgia	30	23	6	546	407,810	290,496	705,598	1,346,365
Idaho	1	1	.....	3	3,000	1,200	1,975	4,940
Illinois	133	102	14	4,067	5,284,385	2,312,471	4,452,495	8,148,338
Indiana	120	111	7	2,394	3,695,282	1,308,135	4,600,032	7,142,897
Iowa	44	33	1	272	350,514	137,512	252,994	532,780
Kansas	5	3	.....	123	135,986	77,334	136,660	326,420
Kentucky	60	83	.....	3,906	6,280,431	1,831,466	4,372,885	7,990,073
Louisiana	15	13	.....	385	367,500	250,100	196,414	552,470
Maine	53	31	22	1,004	1,297,384	537,830	1,444,696	2,417,961
Maryland	70	68	22	3,033	3,804,635	1,191,868	3,696,691	6,725,395
Massachusetts	168	136	94	8,098	7,569,125	4,253,586	9,316,478	16,306,114
Michigan	217	136	26	3,243	4,874,447	1,623,206	3,309,556	5,937,297
Minnesota	19	11	3	158	229,500	73,434	184,883	344,202
Mississippi	17	10	1	170	177,550	45,150	60,244	147,082

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

IRON AND MANUFACTURES OF IRON—Continued.

States and Territories.	Establishments.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Missouri	60	59	5	3,681	6,130,643	2,709,514	4,542,613	8,889,723
Montana	1	1	.....	5	8,000	5,000	14,600	25,000
Nebraska	3	3	.....	68	67,840	72,194	107,181	196,518
Nevada	5	5	.....	114	101,000	133,500	263,416	641,250
New Hampshire	30	16	16	681	689,760	372,665	891,906	1,557,368
New Jersey	125	98	41	4,913	6,567,733	2,874,651	7,372,213	11,898,459
New York	646	384	217	22,244	29,588,800	12,199,073	30,449,479	53,272,049
North Carolina	52	17	25	329	227,425	92,531	137,945	248,855
Ohio	393	361	24	14,943	22,852,774	7,905,101	20,852,520	35,625,157
Oregon	4	3	.....	39	28,000	25,500	29,360	65,000
Pennsylvania	892	1,045	179	47,134	78,768,802	24,680,024	80,657,261	122,605,296
Rhode Island	24	23	2	1,207	1,818,000	678,145	1,157,477	2,196,705
South Carolina	13	6	6	124	116,251	47,310	56,097	158,615
Tennessee	68	32	30	1,807	1,782,142	679,767	841,646	2,093,932
Texas	6	5	.....	30	54,000	17,350	44,070	77,000
Vermont	29	8	20	290	386,200	132,147	329,743	589,020
Virginia	89	25	58	2,414	2,318,635	833,660	2,027,590	3,605,940
Washington	2	2	.....	5	16,200	1,150	2,658	8,500
West Virginia	38	38	1	2,100	2,081,900	1,364,195	2,938,040	5,168,892
Wisconsin	81	46	13	1,953	1,725,500	869,010	1,985,474	3,290,023

LEAD.

[Includes Lead, bar and sheet; Lead, pig; Lead, pipe; and Lead, shot.]

The United States	91	42	24	843	4,822,100	408,903	13,793,921	18,327,196
California	2	1	.....	27	190,000	22,560	408,500	477,000
Illinois	5	2	3	49	177,000	24,877	818,179	980,690
Iowa	4	3	2	17	37,000	5,950	126,172	163,850
Maryland	1	1	.....	12	42,000	2,550	58,715	62,354
Massachusetts	4	.....	1	29	351,000	15,400	542,692	696,350
Missouri	34	12	11	228	1,681,100	73,930	1,204,788	1,459,831
Nevada	9	9	.....	181	438,000	109,900	557,962	894,600
New York	12	9	.....	103	1,073,000	83,178	8,938,740	12,189,300
Ohio	2	2	.....	16	35,000	8,900	90,184	139,000
Pennsylvania	3	2	.....	44	650,000	24,000	550,000	678,000
Rhode Island	1	1	.....	4	47,000	2,750	24,360	28,099
Virginia	1	.....	1	42	10,000	6,000	22,700	43,720
Wisconsin	13	.....	6	91	91,000	28,908	450,929	514,402

LEATHER.

[Includes Leather, tanned; Leather, curried; Leather, dressed skins; Leather, morocco, tanned and curried; and Leather, patent and enameled.]

The United States	7,569	1,296	940	35,243	61,124,812	14,505,775	118,569,634	157,237,597
Alabama	141	2	3	278	205,769	48,028	263,744	412,335
Arkansas	35	.....	.....	52	32,100	5,260	32,777	83,021
California	70	10	1	262	433,500	111,784	838,154	1,174,924
Connecticut	75	8	18	336	592,850	157,747	990,820	1,317,030
Delaware	28	13	.....	609	930,018	318,035	1,451,022	2,050,846
District of Columbia	3	3	.....	32	85,000	10,700	89,272	146,475
Florida	3	.....	.....	11	8,000	3,500	8,000	13,800
Georgia	186	5	10	316	186,247	47,758	418,793	572,306
Illinois	98	26	1	754	1,286,300	372,944	3,241,197	4,150,338
Indiana	353	41	1	833	1,179,550	227,450	1,815,125	2,461,549
Iowa	35	1	.....	55	38,175	6,825	70,823	94,449
Kansas	6	.....	.....	11	6,300	2,000	22,427	26,427
Kentucky	182	15	1	448	724,340	118,816	1,297,997	1,693,574
Louisiana	10	.....	.....	20	16,550	3,450	17,980	32,450
Maine	200	30	93	1,020	1,864,949	300,126	3,956,839	4,911,781
Maryland	125	23	3	547	1,120,125	195,911	1,516,861	2,084,696
Massachusetts	386	202	50	5,553	7,577,926	3,152,399	26,106,013	33,457,975
Michigan	173	53	9	734	1,307,540	285,749	2,013,156	2,689,408
Minnesota	12	2	.....	30	34,400	11,150	70,747	107,007

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

LEATHER—Continued.

States and Territories.	Establishments.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Mississippi	56	.....	3	101	49, 660	13, 293	184, 367	262, 724
Missouri	80	4	.....	240	189, 250	113, 825	530, 234	834, 048
New Hampshire	126	22	66	667	1, 223, 860	271, 638	3, 037, 894	3, 744, 230
New Jersey	148	38	10	1, 298	2, 679, 487	839, 039	7, 529, 966	9, 307, 948
New York	1, 002	264	397	8, 109	16, 147, 378	3, 560, 855	26, 573, 801	36, 569, 800
North Carolina	222	5	8	308	159, 828	31, 830	265, 390	304, 308
Ohio	892	115	7	2, 115	3, 304, 841	652, 919	5, 755, 256	7, 332, 989
Oregon	24	1	4	59	47, 400	18, 700	98, 393	147, 243
Pennsylvania	1, 495	317	133	6, 880	15, 317, 785	2, 587, 699	20, 793, 089	28, 899, 400
Rhode Island	14	5	2	213	546, 000	108, 445	1, 467, 298	1, 828, 261
South Carolina	65	.....	8	127	40, 200	13, 386	106, 225	166, 025
Tennessee	396	12	8	769	705, 665	152, 775	1, 401, 705	1, 851, 638
Texas	56	.....	.....	90	54, 843	11, 935	77, 088	117, 911
Utah	37	.....	3	56	45, 300	11, 405	59, 353	91, 603
Vermont	155	14	82	475	837, 133	166, 995	1, 609, 857	2, 052, 913
Virginia	318	7	7	507	302, 484	62, 799	591, 090	790, 443
Washington	10	.....	2	16	17, 000	4, 700	36, 161	51, 399
West Virginia	178	15	4	328	456, 379	68, 892	626, 678	840, 245
Wisconsin	174	43	6	984	1, 369, 740	375, 013	3, 575, 051	4, 503, 081

LIQUORS.

[Includes Liquors, distilled; Liquors, malt; and Liquors, vinous.]

The United States	3, 029	1, 141	112	19, 060	66, 658, 945	9, 009, 062	49, 110, 288	94, 123, 014
Alabama	2	1	.....	3	3, 275	710	1, 280	3, 400
Arizona	1	.....	.....	5	10, 000	3, 000	5, 000	10, 000
Arkansas	2	.....	.....	5	3, 300	310	1, 300	2, 000
California	251	26	8	1, 216	2, 162, 690	348, 690	1, 362, 340	3, 342, 934
Colorado	10	2	.....	17	49, 900	13, 850	11, 490	47, 480
Connecticut	38	6	29	151	232, 000	45, 438	329, 035	488, 685
Dakota	2	.....	.....	7	12, 000	1, 700	5, 075	9, 500
Delaware	2	1	.....	13	31, 000	3, 300	17, 800	28, 101
District of Columbia	13	6	.....	58	108, 600	24, 150	87, 873	168, 950
Georgia	3	1	1	18	16, 500	5, 880	16, 215	34, 925
Idaho	9	1	1	24	48, 550	9, 700	17, 288	49, 120
Illinois	198	125	.....	1, 967	7, 416, 200	1, 032, 928	6, 904, 727	12, 058, 935
Indiana	135	52	2	723	1, 776, 238	301, 880	1, 985, 772	3, 353, 536
Iowa	108	22	1	458	1, 322, 634	147, 961	491, 239	1, 191, 249
Kansas	16	4	.....	72	105, 600	27, 500	79, 730	236, 190
Kentucky	176	123	7	1, 226	3, 255, 600	360, 371	2, 217, 708	5, 222, 089
Louisiana	14	11	.....	123	190, 850	51, 740	175, 425	351, 880
Maine	6	3	.....	25	102, 270	10, 300	165, 377	248, 765
Maryland	40	17	3	271	804, 200	133, 872	891, 728	1, 555, 004
Massachusetts	31	12	3	298	1, 274, 500	175, 517	1, 438, 799	2, 320, 008
Michigan	129	26	2	496	1, 402, 441	171, 768	679, 328	1, 321, 286
Minnesota	65	2	.....	225	450, 550	68, 386	161, 812	388, 555
Mississippi	3	2	.....	7	5, 300	950	2, 718	5, 514
Missouri	293	55	.....	1, 381	5, 725, 325	733, 213	3, 596, 625	8, 371, 440
Montana	15	2	1	35	68, 500	14, 255	47, 460	123, 600
Nebraska	16	4	.....	53	137, 400	22, 990	95, 589	230, 621
Nevada	18	.....	.....	46	86, 300	26, 400	45, 726	139, 480
New Hampshire	5	3	.....	114	279, 810	53, 800	373, 284	636, 405
New Jersey	103	43	9	682	3, 130, 449	346, 026	1, 827, 163	3, 675, 208
New Mexico	3	1	.....	7	26, 500	5, 155	9, 775	27, 000
New York	340	177	16	3, 331	14, 283, 662	2, 220, 480	11, 132, 265	19, 297, 274
North Carolina	12	2	1	67	57, 050	9, 625	98, 261	195, 375
Ohio	300	158	11	2, 164	8, 536, 872	1, 143, 827	7, 262, 334	13, 085, 607
Oregon	18	1	1	36	66, 250	14, 360	35, 385	85, 536
Pennsylvania	356	167	8	2, 110	9, 571, 253	993, 354	5, 512, 023	11, 692, 528
Rhode Island	4	4	.....	27	147, 500	13, 200	64, 718	134, 000
South Carolina	2	.....	.....	9	8, 250	2, 600	5, 600	9, 460
Tennessee	50	23	1	247	273, 350	53, 983	241, 218	349, 093
Texas	28	4	.....	77	118, 300	28, 836	85, 678	153, 840
Utah	4	1	1	8	63, 850	4, 260	8, 574	36, 735
Virginia	55	10	1	172	525, 535	34, 291	233, 340	490, 820
West Virginia	21	8	1	122	363, 541	51, 188	208, 515	364, 788
Washington	9	1	2	15	32, 900	7, 160	19, 235	56, 955
Wisconsin	185	34	2	949	2, 282, 150	290, 158	1, 159, 461	2, 220, 113

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

LUMBER.

[Includes Lumber, planed; Lumber, sawed; and Lumber, staves, shooks, and headings.]

States and Territories.	Establishments.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
The United States	26,945	12,052	16,755	163,637	161,500,273	46,231,238	132,071,778	252,339,029
Alabama	289	115	129	1,498	785,405	385,695	601,513	1,504,683
Arizona	1	1	.....	16	5,000	6,000	1,600	10,000
Arkansas	216	127	24	1,124	719,260	261,086	593,559	1,411,253
California	313	204	122	4,484	4,230,540	1,911,084	2,429,919	6,279,914
Colorado	34	24	11	239	147,700	89,111	174,325	393,870
Connecticut	400	22	382	987	869,191	296,220	1,421,715	2,123,118
Dakota	10	9	2	68	37,400	14,256	32,772	72,280
Delaware	83	34	52	333	343,924	78,523	271,656	466,941
District of Columbia	5	5	.....	114	89,000	38,400	125,500	207,000
Florida	105	69	15	1,152	757,090	422,020	1,163,988	2,236,780
Georgia	539	194	336	3,215	1,807,973	797,878	1,958,127	4,615,575
Idaho	10	4	6	47	50,750	17,924	20,177	56,850
Illinois	580	519	25	5,020	4,780,730	1,668,233	7,576,567	11,837,234
Indiana	1,946	1,541	305	10,084	6,772,423	2,144,191	6,359,036	13,098,859
Iowa	566	420	121	3,973	4,126,801	1,078,700	4,010,126	6,661,700
Kansas	195	154	22	1,161	642,955	282,662	822,028	1,736,381
Kentucky	579	393	101	2,756	2,013,211	608,157	2,119,730	4,245,759
Louisiana	160	142	7	1,222	634,220	384,565	797,138	1,643,037
Maine	1,117	87	1,667	8,635	6,722,675	2,491,072	7,111,298	11,718,122
Maryland	402	105	276	1,396	1,297,400	321,619	995,490	1,976,328
Massachusetts	711	117	712	3,447	3,741,429	1,322,681	5,848,876	8,712,240
Michigan	1,641	1,181	561	20,576	27,701,300	6,597,110	15,090,191	33,078,241
Minnesota	220	122	124	3,010	3,454,540	905,550	2,376,210	4,538,804
Mississippi	274	200	48	1,992	1,174,117	588,906	877,093	2,229,017
Missouri	828	598	87	4,120	3,554,770	1,130,584	4,026,744	7,220,452
Montana	32	12	20	162	149,000	80,965	172,598	431,957
Nebraska	50	30	18	202	152,200	47,102	118,975	278,205
Nevada	20	13	9	330	199,000	156,430	142,450	447,500
New Hampshire	736	68	1,002	3,447	2,481,193	741,653	2,520,347	4,380,622
New Jersey	300	48	264	1,311	2,538,000	451,265	2,026,236	3,330,769
New Mexico	12	2	10	63	47,100	35,425	40,083	121,225
New York	3,685	818	3,064	17,370	18,066,567	4,324,768	15,803,232	27,570,569
North Carolina	533	137	341	2,421	1,229,450	404,733	1,046,228	2,107,313
Ohio	2,372	1,752	585	9,332	7,404,581	2,027,172	6,638,293	12,754,925
Oregon	173	41	138	717	953,262	275,285	380,373	1,072,061
Pennsylvania	3,922	1,250	3,169	19,286	27,802,710	6,220,393	19,022,221	35,282,590
Rhode Island	83	15	67	219	166,500	45,126	193,164	305,138
South Carolina	229	83	114	1,231	602,425	214,126	660,499	1,232,005
Tennessee	724	320	291	3,101	1,701,616	660,904	1,789,582	3,919,237
Texas	327	227	31	1,764	883,491	393,129	653,474	1,974,101
Utah	96	16	75	543	339,000	139,833	266,647	662,731
Vermont	656	42	797	4,124	4,880,051	1,064,025	3,290,206	6,069,725
Virginia	609	201	380	2,300	983,486	347,698	572,887	2,130,705
Washington	53	31	25	535	1,396,102	420,210	964,009	1,923,685
West Virginia	348	150	185	1,613	1,160,950	393,368	783,405	1,676,539
Wisconsin	753	403	435	12,724	11,703,345	3,840,301	7,841,891	15,744,989
Wyoming	8	6	.....	213	110,500	104,500	99,000	268,000

PAPER.

[Includes Paper, (not specified;) Paper, printing; Paper, wrapping; Paper, writing; and Paper-hangings.]

The United States	684	307	1,173	18,779	35,780,514	7,477,780	31,344,169	50,842,445
Alabama	1	1	1	29	150,000	20,000	73,000	124,000
California	2	1	1	28	48,000	17,000	43,025	89,700
Colorado	1	.....	1	3	12,000	475	980	2,250
Connecticut	66	10	120	1,497	2,988,046	703,727	3,327,266	4,874,291
Delaware	1	.....	2	21	50,000	8,500	41,500	78,000
District of Columbia	1	.....	2	25	50,000	10,400	36,620	81,520
Georgia	3	1	4	89	170,000	29,838	105,346	184,023
Illinois	19	8	35	484	909,000	199,510	624,243	1,120,586
Indiana	17	9	29	398	540,000	130,561	421,807	780,152
Iowa	5	2	10	89	130,500	33,600	41,064	99,885
Kentucky	2	4	1	56	190,000	28,500	79,490	147,500

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

PAPER—Continued.

States and Territories.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Maine	12	.....	28	382	399,000	146,477	864,153	1,214,607
Maryland	26	5	33	338	1,206,000	110,589	505,431	948,710
Massachusetts	97	30	301	4,566	7,723,628	1,859,317	8,017,987	12,696,491
Michigan	11	15	11	261	376,000	79,000	287,040	499,392
Minnesota	2	.....	3	72	130,000	32,150	70,075	140,750
Missouri	1	1	.....	19	30,000	12,000	12,000	48,000
New Hampshire	32	11	66	648	1,079,000	240,473	1,080,372	1,913,595
New Jersey	93	21	49	699	1,660,700	280,459	1,078,784	1,862,321
New York	186	43	284	4,439	7,682,100	1,805,237	7,358,790	11,779,563
North Carolina	5	.....	9	89	98,000	30,650	87,983	166,240
Ohio	44	50	51	1,438	2,957,800	554,407	2,601,637	4,010,493
Oregon	1	.....	1	12	4,000	9,000	13,250	28,000
Pennsylvania	83	72	91	2,428	5,747,040	878,678	3,837,191	6,511,446
Rhode Island	1	1	.....	23	30,000	8,000	40,000	60,000
South Carolina	2	5	1	43	109,000	12,600	46,400	79,000
Tennessee	3	1	3	69	120,000	26,400	78,400	149,450
Utah	1	.....	1	4	15,000	2,000	1,002	4,330
Vermont	12	2	22	174	233,700	55,883	142,078	318,510
Virginia	4	.....	6	77	401,000	31,427	144,129	244,268
West Virginia	4	11	.....	72	156,000	31,386	57,929	212,182
Wisconsin	6	3	7	207	445,000	83,536	225,197	373,200

PRINTING AND PUBLISHING.

[Includes Printing and publishing, (not specified;) Printing and publishing, book; Printing and publishing, newspaper; Printing, job; Maps and atlases; and Photograph albums; does not include Book-binding.]

The United States	2,177	691	15	30,924	40,304,727	18,882,918	24,729,407	66,862,447
Alabama	15	1	.....	187	123,300	150,330	107,158	309,425
Arkansas	14	1	.....	77	38,000	36,950	24,308	81,511
California	82	14	.....	847	1,217,100	788,725	670,840	2,279,339
Colorado	9	.....	.....	32	37,000	38,053	22,450	87,600
Connecticut	42	21	2	672	701,329	367,151	379,757	1,094,440
Delaware	6	4	.....	56	90,000	26,722	41,892	94,511
District of Columbia	14	10	.....	343	746,500	299,541	254,315	688,605
Florida	5	1	.....	41	32,000	22,100	14,112	45,500
Georgia	45	8	.....	428	416,798	282,222	144,291	929,151
Illinois	130	45	.....	1,398	1,258,650	743,580	1,066,139	2,737,549
Indiana	69	20	.....	810	754,952	511,330	513,617	1,408,142
Iowa	67	9	.....	544	378,775	257,308	178,212	648,752
Kansas	21	2	.....	216	125,500	141,044	102,161	335,650
Kentucky	32	9	.....	443	509,500	289,720	311,492	845,210
Louisiana	9	.....	.....	41	28,800	23,000	11,960	59,350
Maine	34	20	.....	361	292,562	161,756	116,037	422,132
Maryland	67	39	.....	915	1,044,150	506,252	499,604	1,561,449
Massachusetts	162	51	1	2,973	4,968,450	1,953,435	2,535,850	8,390,976
Michigan	65	19	.....	726	697,777	393,999	302,104	1,071,523
Minnesota	20	2	.....	241	267,000	137,892	113,503	343,304
Mississippi	11	2	.....	60	74,700	44,450	30,387	121,350
Missouri	105	27	.....	1,940	2,374,300	1,320,135	2,306,804	5,268,627
Montana	4	1	.....	31	96,700	51,040	18,618	103,300
Nebraska	10	2	.....	94	92,100	70,010	40,463	161,400
Nevada	1	.....	.....	6	3,000	5,000	850	8,000
New Hampshire	45	5	3	302	336,400	118,904	115,770	392,707
New Jersey	39	10	.....	378	450,500	201,101	211,159	669,704
New Mexico	2	.....	.....	13	11,000	6,200	10,006	30,175
New York	303	134	5	6,431	7,728,017	3,980,549	6,785,518	15,179,073
North Carolina	9	2	.....	120	43,600	68,954	50,912	156,285
Ohio	187	58	1	2,409	2,635,050	1,355,956	1,437,066	4,228,948
Oregon	11	.....	.....	68	42,350	52,400	41,787	110,300
Pennsylvania	318	119	.....	5,497	10,782,492	3,236,011	5,079,163	13,651,396
Rhode Island	14	10	.....	269	203,600	133,350	123,098	328,210
South Carolina	13	8	.....	182	129,550	127,100	54,725	257,155
Tennessee	40	13	.....	459	523,300	348,233	276,658	1,025,600
Texas	29	3	.....	168	108,375	83,780	47,563	203,130
Vermont	20	6	1	177	172,600	76,364	70,815	220,990
Virginia	36	6	2	332	249,300	193,616	148,088	429,988
West Virginia	5	.....	.....	18	4,600	1,650	1,698	10,875
Wisconsin	66	9	.....	613	513,250	274,125	375,267	855,115
Wyoming	1	.....	.....	6	1,800	2,880	2,500	6,000

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

TEXTILES.

[Includes Cotton goods; Flax and linen goods; Carpets; Woolen goods; and Worsted goods.]

States and Territories.	Establishm'ts.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
The United States..	4,709	1,638	3,431	243,731	265,084,095	75,628,743	238,393,905	380,913,815
Alabama	27	4	24	1,073	953,375	221,560	822,303	1,178,765
Arkansas	15	6	4	48	45,500	10,970	69,562	101,252
California	6	6	1	663	1,786,000	232,600	609,184	1,107,854
Connecticut	234	59	310	20,947	27,232,500	6,660,964	21,480,762	34,694,228
Delaware	20	8	17	1,131	1,550,400	306,536	1,099,450	1,642,965
District of Columbia..	2	.....	.....	4	4,500	700	2,108	3,575
Florida	1	.....	.....	1	500	.....	150	500
Georgia	80	6	107	3,409	4,369,850	734,006	2,772,934	4,120,496
Illinois	135	94	23	1,863	3,116,223	562,760	1,892,896	3,154,431
Indiana	190	119	62	2,988	4,375,458	839,913	3,232,605	5,110,739
Iowa	100	46	39	1,115	1,443,224	271,207	1,000,102	1,669,471
Kansas	9	6	1	91	96,000	30,682	86,105	153,150
Kentucky	132	70	24	956	1,106,399	217,324	1,207,576	1,813,463
Louisiana	6	4	.....	275	626,000	69,500	180,532	282,345
Maine	144	6	214	12,564	14,040,255	3,632,198	10,787,985	18,363,824
Maryland	74	10	54	3,238	2,962,645	764,182	3,670,705	5,327,661
Massachusetts	427	240	617	72,464	72,548,475	23,656,614	71,619,650	112,763,211
Michigan	65	24	37	694	1,020,215	205,769	670,706	1,298,446
Minnesota	11	2	6	148	246,850	45,992	108,840	221,362
Mississippi	16	7	7	381	946,750	90,633	203,134	381,768
Missouri	169	70	26	1,101	1,212,119	262,108	1,339,108	2,078,913
New Hampshire	121	16	216	17,715	19,054,060	5,805,817	19,023,675	27,692,588
New Jersey	106	34	55	5,669	4,458,175	1,580,677	4,089,965	7,434,521
New Mexico	1	.....	1	20	65,000	2,000	12,775	21,000
New York	422	93	372	21,969	23,137,703	7,023,374	19,151,712	31,473,172
North Carolina	85	6	73	1,702	1,268,700	222,052	1,130,306	1,643,690
Ohio	287	129	115	2,882	3,637,354	695,025	2,657,196	4,232,450
Oregon	9	.....	9	179	389,200	112,213	227,595	505,857
Pennsylvania	1,038	357	322	34,869	33,413,908	11,199,030	39,142,645	63,436,186
Rhode Island	210	117	258	25,054	30,352,800	8,174,325	23,280,096	37,907,670
South Carolina	27	.....	27	1,176	1,362,900	261,495	783,707	1,564,396
Tennessee	176	41	99	1,318	1,344,518	237,936	1,099,526	1,638,386
Texas	24	11	.....	391	593,250	88,489	303,336	527,566
Utah	18	.....	16	122	265,400	54,340	105,323	216,403
Vermont	81	9	103	2,357	3,007,150	775,703	2,256,633	4,200,819
Virginia	80	4	85	2,040	1,564,375	288,515	1,256,120	1,924,752
West Virginia	77	22	48	322	236,700	60,628	314,071	486,263
Wisconsin	75	12	59	812	1,249,664	230,906	693,737	1,270,677

TOBACCO.

[Includes Tobacco, chewing, smoking, and snuff; Tobacco and cigars; and Tobacco, cigars.]

The United States..	5,204	178	26	47,848	24,924,330	14,315,342	34,656,607	71,762,044
Alabama	14	.....	.....	35	9,950	9,785	9,290	33,850
Arkansas	4	.....	.....	14	11,500	5,900	6,800	19,800
California	91	3	.....	1,858	709,345	534,755	807,081	1,967,717
Connecticut	103	2	1	734	418,230	307,709	447,718	1,148,494
Delaware	19	1	4	157	266,750	52,288	155,955	270,296
District of Columbia...	44	.....	.....	109	36,715	27,919	35,583	96,550
Florida	13	.....	.....	254	257,500	204,910	98,840	572,350
Georgia	20	.....	.....	254	118,700	92,247	231,304	475,874
Illinois	274	13	.....	2,684	1,904,620	781,744	2,046,922	4,319,716
Indiana	148	2	.....	817	393,265	274,243	481,427	1,148,315
Iowa	74	2	.....	423	254,550	151,483	214,355	520,373
Kansas	27	.....	.....	135	66,100	62,405	83,806	223,800
Kentucky	102	11	.....	1,289	860,071	353,315	1,013,798	2,097,005
Louisiana	48	5	.....	358	190,400	145,149	205,363	578,890
Maine	12	.....	.....	74	27,000	20,286	48,775	91,447
Maryland	284	9	.....	1,387	910,000	389,784	664,279	1,772,257
Massachusetts	136	.....	2	1,050	507,885	459,844	737,438	1,670,932
Michigan	114	13	.....	1,236	1,301,202	441,930	1,448,305	2,572,523
Minnesota	14	.....	.....	57	38,400	19,546	30,260	72,880
Mississippi	1	.....	.....	7	200	100	666	1,050
Missouri	383	13	.....	3,388	3,031,360	1,486,727	5,285,995	10,415,604

TABLE CII.—*Groups of Principal Industries, by States and Territories*—1870—Continued.

TOBACCO—Continued.

States and Territories.	Establishments.	Steam-engines.	Water-wheels.	All hands.	Capital. (*Dollars.*)	Wages. (*Dollars.*)	Materials. (*Dollars.*)	Products. (*Dollars.*)
Nebraska	12	.....	.....	43	29,400	28,416	60,530	109,734
New Hampshire	12	.....	.....	69	31,675	26,390	32,037	79,521
New Jersey	194	4	8	877	714,980	267,992	624,822	1,285,229
New York	1,123	38	5	10,243	6,226,046	3,750,870	9,763,626	18,940,058
North Carolina	111	.....	.....	1,465	375,882	102,144	391,027	718,765
Ohio	452	23	3	3,719	1,487,499	1,104,247	2,545,139	5,307,591
Oregon	2	.....	.....	8	4,200	3,700	2,200	6,850
Pennsylvania	1,005	10	1	6,229	2,517,795	1,591,789	2,282,781	6,234,493
Rhode Island	34	.....	.....	178	54,900	50,145	92,355	197,445
South Carolina	1	.....	.....	15	10,000	6,500	7,000	25,000
Tennessee	18	.....	.....	73	42,200	19,520	45,775	110,125
Texas	18	.....	.....	56	12,730	9,089	11,600	34,735
Vermont	7	.....	.....	42	31,350	25,800	43,178	87,800
Virginia	131	25	2	7,534	1,301,925	1,181,418	4,082,181	7,054,770
West Virginia	45	.....	.....	198	46,775	69,559	72,933	277,573
Wisconsin	114	4	.....	759	573,230	246,694	544,854	1,222,032

WEAR, ARTICLES OF.

[Includes Clothing, men's; Clothing, women's; Clothing, children's; Boots and shoes; Hats and caps; Collars and cuffs, paper; Gloves and mittens; Hoop-skirts and corsets; and Hosiery.]

The United States	34,312	488	175	297,141	125,866,220	98,837,559	214,841,378	398,264,118
Alabama	190	1	.....	387	163,385	75,672	151,948	391,573
Arkansas	51	.....	.....	132	33,350	37,181	46,939	129,130
California	623	1	.....	2,463	945,435	1,082,550	2,026,868	4,268,228
Colorado	21	.....	.....	26	9,250	11,240	14,175	44,950
Connecticut	586	39	19	10,157	4,344,720	3,346,565	6,662,684	12,285,465
Delaware	110	2	.....	660	234,103	190,807	372,096	735,353
District of Columbia	228	.....	.....	613	183,200	178,466	310,927	754,006
Florida	43	.....	.....	80	20,740	20,936	39,356	92,314
Georgia	284	.....	1	714	198,460	158,951	309,897	708,834
Idaho	15	.....	.....	27	15,200	6,985	11,630	33,267
Illinois	1,686	1	1	11,677	5,072,670	3,059,390	7,399,006	13,136,628
Indiana	1,275	.....	.....	4,424	1,649,606	1,170,777	2,441,299	5,081,762
Iowa	736	.....	.....	2,047	724,398	488,504	1,111,701	2,235,294
Kansas	154	.....	.....	468	220,802	154,463	227,384	598,002
Kentucky	593	.....	.....	2,089	938,478	558,099	1,085,657	2,356,042
Louisiana	325	.....	.....	997	215,535	248,565	340,928	896,194
Maine	566	7	3	7,469	1,549,928	1,429,960	4,185,417	6,746,218
Maryland	1,162	2	.....	10,838	3,081,080	2,076,953	5,189,216	9,198,525
Massachusetts	3,060	258	43	72,392	28,475,347	33,448,772	68,386,356	118,482,947
Michigan	1,075	1	.....	5,304	2,465,181	1,372,696	2,681,153	5,424,665
Minnesota	237	.....	.....	780	335,439	266,652	495,316	985,172
Mississippi	121	.....	.....	209	58,776	38,032	80,768	220,945
Missouri	1,829	1	.....	7,261	3,763,169	3,050,141	6,452,738	13,044,634
Montana	13	.....	.....	27	10,700	17,350	18,097	56,090
Nebraska	87	.....	.....	203	103,720	87,145	108,088	302,327
Nevada	29	.....	.....	58	26,900	20,770	44,830	110,370
New Hampshire	390	9	31	5,346	2,194,615	1,879,651	4,458,017	8,042,279
New Jersey	884	6	2	9,190	3,236,830	3,580,755	6,274,054	12,587,121
New Mexico	11	.....	.....	14	4,200	1,520	4,049	10,265
New York	5,415	77	61	68,292	32,567,917	21,425,932	52,606,619	96,589,347
North Carolina	139	.....	.....	386	134,004	76,272	177,533	389,712
Ohio	3,354	4	.....	18,804	7,077,726	4,405,402	10,932,729	20,062,905
Oregon	86	.....	.....	174	82,255	38,144	90,088	214,032
Pennsylvania	5,683	76	5	41,758	20,939,599	11,908,755	24,070,802	48,729,076
Rhode Island	213	2	2	1,945	783,285	599,126	1,249,542	2,317,840
South Carolina	73	.....	.....	176	32,760	24,864	46,208	131,052
Tennessee	495	.....	.....	1,212	369,641	340,154	482,315	1,286,454
Texas	131	.....	.....	264	75,510	52,840	101,663	252,218
Utah	49	.....	.....	154	42,420	29,770	33,934	99,870
Vermont	286	1	7	1,470	756,749	381,094	770,440	1,824,796
Virginia	653	.....	.....	1,295	246,771	186,744	455,256	1,058,146
Washington	18	.....	.....	38	18,680	8,510	16,054	44,558
West Virginia	296	.....	.....	760	202,543	152,193	376,001	766,712
Wisconsin	1,032	.....	.....	4,346	2,244,443	1,129,525	2,479,583	4,673,660
Wyoming	5	.....	.....	15	7,700	9,686	22,017	50,140

[*Continued from page* 872.]

now attained to such dimensions, and has come to embrace so diversified and complicated interests, as to require peremptorily a system of statistical investigations substantially new, both as to the scope and the details of inquiry, and as to the methods and agencies of enumeration. Outgrown and ineffective as is the census law of 1850 in almost all particulars, it is nowhere so painfully and almost ludicrously inadequate as in the canvass of the national industry.

Of the total amount paid for the collection of the Statistics of Manufacture in "Schedule 4," more than a fifth was expended for returns relating to carpentering, blacksmithing, coopering, painting, plastering, and plumbing, not one of which industries, though far better returned than ever before, was reported with sufficient completeness even to furnish the data for a computation of the true production of the trade, so that, after this expenditure, one is still obliged to resort to the Tables of Occupations for the material from which to estimate the production of this group of industries. The money thus thrown away would have served, if placed under the control of the Department of the Interior for the salaries of experts and for the traveling expenses of special agents, to make the statistics of the larger industries complete and correct in the highest attainable degree, creditable to the census as a national work, and invaluable to the statesman, the political economist, and the practical man of business. At the same time, a well-trained statistician can, in a few hours, from the Tables of Occupations, reach a far more satisfactory result in respect to the products of the minor trades than is to be obtained by manipulating the partial returns of the trades themselves. In a word, the returns of manufactures should be restricted to those industries which are carried on in considerable establishments, and are susceptible of a thorough, complete, and detailed enumeration.

Second. The returns of manufactures, having been thus restricted, should be far more specific, and should be made to conform to the advance in the practical arts within the last twenty years, and to the requirements of modern statistical science. The additional facts thus to be elicited should not be industrial merely, but such also as are of social and sanitary importance. The Manufacturing Tables of the census ought to be so full of technical information as to become the hand-book of manufacturers, while, at the same time, they might be made so pregnant with truths important to the economist and the statesman as to become a hand-book of social and political philosophy. With no more authority of law than might have been contained in five lines of the statutes, and with not a dollar of expense above what has been incurred in making this unsatisfactory exhibit of the national industries, such an enumeration of the manufactures of the country might have been effected at the Ninth Census.

Third. The enumeration of all the manufacturing industries, which are of sufficient importance to be taken at all in the census, should be charged upon special agents or deputies, who should be in the widest sense experts, who should be liberally compensated; who should have ample authority to prosecute the stated inquiries of the census; and each of whom should be assigned to the enumeration of a single specific industry, or of a limited number of cognate industries, over a large extent of territory. To reduce the subjects of inquiry given each such agent, while extending his field of inquiry over entire cities, States, and sections, affords the true means of securing at once closeness of scrutiny and comprehensiveness of survey.

Fourth. The canvass of manufacturing industries should be conducted through means of schedules, special successively to each of the industries to be enumerated. This is demanded, not less for the convenience of the public than in the interest of the census itself, in order to accuracy and economy of enumeration.

At the census of 1860, the return of "kinds and quantities," both of materials and of products, required by the act of 1850, was enforced more or less completely in respect to each one of the 140,433 establishments enumerated;* while, in the case of only 6,836 establishments, (excluding, as in 1870, coal and iron mines,) were the returns of "kinds and quantities" tabulated. At the census of 1870, in the manifest uselessness and, indeed, impracticability of returning the kinds and quantities of materials or products in a form allowing of a systematic tabulation, the instructions to assistant marshals were so drawn as to excuse from this duty the proprietors of at least 115,000 establishments of productive industry. Eighty-five thousand and forty-two are published in one of the following tables, with the kinds and quantities of materials and products stated in detail. In respect to the remainder, the returns of "kinds and quantities" were not used, either from the inadequacy or irregularity of the statements made, or because the materials and products were found, upon an attempt at compilation, not to be of a character to repay the expense of tabulation, or to justify the space required in publication.

To increase the ratio of establishments in respect of which quantitative statements of materials and of products are supplied in the census, from 4½ per cent., as in 1860,

*Exception must be made to the extent of 5,000 gold mines, in the State of California, which were estimated for at the Census Office.

[Continued on page 940.]

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870.

AGRICULTURAL IMPLEMENTS.

	States and Territories.	Establishments.	Steam-engines. Horse-power.	Steam-engines. Number.	Water-wheels. Horse-power.	Water-wheels. Number.	All hands.	Capital.	Wages.	Materials.
								Dollars.	*Dollars.*	*Dollars.*
	The United States	2,076	15,873	676	10,209	426	25,249	34,834,600	12,151,504	21,473,925
1	Alabama	3	.....	....	.....	....	9	3,800	1,975	1,849
2	Arkansas	1	15	1	.....	....	16	12,500	1,340	5,050
3	California	10	48	3	.....	....	68	79,450	43,725	43,370
4	Connecticut	38	126	4	1,278	50	593	1,061,100	328,718	455,849
5	Delaware	10	58	5	23	2	56	57,800	18,850	13,864
6	Georgia	10	70	3	130	5	59	39,550	12,436	23,904
7	Illinois	294	2,575	91	620	14	3,935	5,350,978	1,813,835	3,598,897
8	Indiana	124	860	33	165	6	1,268	1,622,769	484,526	951,714
9	Iowa	55	457	27	20	1	552	543,040	182,138	401,372
10	Kansas	3	12	1	.....	....	29	30,750	8,951	10,163
11	Kentucky	44	270	10	.....	....	624	633,025	287,590	673,176
12	Louisiana	1	5	....	.....	....	15	5,000	5,000	5,000
13	Maine	32	31	2	505	24	219	241,250	72,742	86,480
14	Maryland	34	189	14	10	2	295	281,300	117,311	276,257
15	Massachusetts	37	221	8	964	31	477	499,400	243,112	487,460
16	Michigan	164	948	52	317	20	969	1,254,759	362,844	714,233
17	Minnesota	27	126	9	50	2	167	190,712	72,520	92,656
18	Mississippi	11	24	3	.....	....	34	21,150	8,950	22,586
19	Missouri	38	325	14	.....	....	537	791,435	403,847	699,376
20	Montana	1	.....	....	.....	....	1	500	100	440
21	Nebraska	2	.....	....	.....	....	9	3,800	3,210	10,570
22	New Hampshire	24	26	2	458	24	184	174,550	78,505	77,714
23	New Jersey	30	139	8	208	6	366	517,250	181,687	202,361
24	New York	337	2,529	106	2,722	116	4,953	7,824,656	2,513,317	4,594,316
25	North Carolina	20	31	5	16	1	78	34,520	10,914	34,348
26	Ohio	219	3,581	110	283	15	5,124	7,570,320	2,841,518	5,240,550
27	Oregon	4	8	1	21	1	10	15,700	3,800	7,075
28	Pennsylvania	286	2,044	104	581	43	2,286	3,387,949	1,025,618	1,278,805
29	Rhode Island	5	15	1	154	4	81	252,500	37,450	42,806
30	Tennessee	25	102	10	6	2	110	62,900	30,717	49,782
31	Texas	12	.....	....	.....	....	44	12,559	13,370	18,165
32	Vermont	45	102	4	1,251	45	372	518,150	138,327	212,964
33	Virginia	37	157	9	323	5	267	187,128	102,886	153,694
34	West Virginia	11	53	5	15	1	55	57,650	24,283	19,840
35	Wisconsin	82	669	31	89	6	1,387	1,494,700	663,392	966,739

BAGGING: FLAX, HEMP, AND JUTE.

	States.	Establishments.	Steam-engines. Horse-power.	Steam-engines. Number.	Water-wheels. Horse-power.	Water-wheels. Number.	Machines. Looms.	Machines. Spindles.	Machines. Cards.	Machines. Hackles.	Hands employed. All.	Hands employed. Males above 16.	Hands employed. Females above 15.	Hands employed. Youth.
							No.	*No.*	*No.*	*No.*				
	The United States	33	785	15	535	11	406	5,103	63	289	3,170	1,718	863	589
1	Illinois	2	.....	.....	175	4	14	356	.....	....	113	37	34	42
2	Kentucky	11	130	2	.....	.....	117	346	....	289	1,228	993	102	133
3	Massachusetts	2	140	2	.....	.....	29	1,720	26	....	234	213	6	15
4	Missouri	2	145	2	.....	.....	62	95	....	....	333	103	116	114
5	New Jersey	4	75	2	170	2	70	1,690	5	....	484	100	292	92
6	New York	4	90	2	70	2	42	202	8	....	209	45	84	80
7	Ohio	7	185	4	120	3	46	694	14	....	497	211	189	97
8	Pennsylvania	1	20	1	.....	.....	26	.....	10	....	72	16	40	16

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870.

AGRICULTURAL IMPLEMENTS.

PRODUCTS.												
Cane-mills.	Clover-hullers.	Corn-planters.	Corn-shellers.	Cotton-plant'rs	Cultivators.	Fanning-mills.	Grain-cradles.	Grain-drills.	Hand-rakes.	Harrows.	Harvesters.	
No. 108	*No.* 5,206	*No.* 21,709	*No.* 12,941	*No.* 2,000	*No.* 88,740	*No.* 19,772	*No.* 103,646	*No.* 32,033	*Dozens.* 207,310	*No.* 9,150	*No.* 3,566	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	145	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	95	.....	.....	.....	.....	251	.....	3
.....	.....	.....	.....	.....	230	.....	300	.....	7,167	50	.....	4
.....	.....	.....	.....	.....	18	.....	.....	50	.....	.....	.....	5
.....	.....	.....	.....	2,000	.....	33	.....	.....	.....	50	.....	6
.....	.....	15,244	1,262	.....	42,945	1,626	.....	4,750	.....	1,890	2,860	7
.....	.....	.....	196	.....	1,030	1,076	39,324	5,931	3,888	1,088	.....	8
.....	.....	.....	.....	.....	2,700	3,027	.....	.....	.....	300	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95	.....	10
100	.....	.....	50	.....	50	50	57	.....	.....	92	.....	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
.....	.....	.....	.....	.....	1,437	.....	.....	.....	4,200	8	.....	13
.....	40	100	1,290	.....	625	200	2,040	505	371	475	.....	14
.....	.....	1,000	1,700	.....	2,200	.....	2,400	.....	13,530	900	700	15
.....	.....	.....	1,150	.....	13,636	2,410	16,536	240	140,100	650	.....	16
.....	.....	.....	.....	.....	156	1,940	.....	580	.....	30	.....	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
.....	.....	3,500	.....	.....	100	680	.....	100	.....	30	.....	19
.....	.....	.....	.....	.....	.....	8	.....	.....	.....	.....	.....	20
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
.....	.....	.....	100	.....	492	.....	.....	.....	6,710	140	.....	22
.....	.....	.....	63	.....	1,412	.....	110	.....	54	75	.....	23
.....	208	100	664	.....	11,492	4,481	34,539	2,068	19,447	994	6	24
8	.....	.....	158	.....	.....	.....	.....	.....	.....	.....	.....	25
.....	.....	1,100	1,026	.....	5,683	1,425	2,428	11,793	3,450	6	.....	26
.....	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	.....	27
.....	4,958	665	4,547	.....	821	1,660	4,072	1,881	1,801	25	.....	28
.....	.....	.....	.....	.....	300	.....	.....	.....	200	100	.....	29
.....	.....	.....	85	.....	.....	266	.....	.....	.....	200	.....	30
.....	.....	.....	.....	.....	25	.....	.....	.....	.....	.....	.....	31
.....	.....	.....	.....	.....	415	.....	.....	.....	6,292	.....	.....	32
.....	.....	.....	250	.....	300	105	100	885	.....	1,595	.....	33
.....	.....	.....	400	.....	2,007	50	840	.....	.....	1	.....	34
.....	.....	.....	.....	.....	571	725	.....	3,250	100	60	.....	35

BAGGING: FLAX, HEMP, AND JUTE.

Capital.	Wages.	MATERIALS.							
		American hemp.	Tow.	Jute.	Jute yarn.	Flax.	All other materials.	All materials.	
Dollars. 3,158,101	*Dollars.* 958,106	*Tons.* 7,060	*Tons.* 3,058	*Tons.* 5,691	*Tons.* 112	*Tons.* 4,672	*Dollars.* 109,413	*Dollars.* 2,624,682	
125,000	38,000	.....	.....	.....	.....	1,725	.....	136,000	1
756,000	301,240	6,292	.....	105	.....	357	2,400	1,077,360	2
225,000	53,000	.....	.....	1,130	.....	.....	.....	106,000	3
1,200,000	235,000	768	.....	.....	.....	2,590	18,600	423,100	4
363,600	135,721	.....	.....	3,688	.....	.....	24,960	484,129	5
109,000	35,000	.....	.....	768	.....	.....	41,500	181,900	6
348,501	137,545	.....	3,058	.....	.....	.....	19,553	299,653	7
40,000	22,000	.....	.....	.....	112	.....	2,400	47,900	8

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

AGRICULTURAL IMPLEMENTS—Continued.

	States and Territories.	PRODUCTS—Continued.								
		Hay and straw cutters.	Hay forks.	Hoes.	Horse-powers.	Horse-rakes.	Lawn-mowers.	Mowers.	Plows.	Reapers.
	The United States.	*No.* 30,879	*No.* 1,298,260	*Dozens.* 135,139	*No.* 4,541	*No.* 80,619	*No.* 2,536	*No.* 39,486	*No.* 864,947	*No.* 60,388
1	Alabama								200	
2	Arkansas									
3	California		500					50	867	175
4	Connecticut	5,380	86,000	30,350		4,780		4,025	18,091	
5	Delaware					9	36		1,278	54
6	Georgia								1,190	
7	Illinois	3,634	66,000		654	6,475		170	236,783	1,381
8	Indiana	1,808	147,600	9,400	97			4	62,700	25
9	Iowa	300	200			25			25,314	8
10	Kansas								1,235	
11	Kentucky	475		12	100			350	147,189	
12	Louisiana								1,000	
13	Maine		8,400	2,000		1,520		23	32,229	
14	Maryland		30	50	61	400		164	10,608	
15	Massachusetts	8,050	102,600	40,000	73	3,013		2,050	14,600	
16	Michigan	162	96,000	7,000	706	10,932		20	20,794	
17	Minnesota					38			5,980	
18	Mississippi								10,450	
19	Missouri								52,490	34,200
20	Montana									
21	Nebraska								425	
22	New Hampshire				6			1,025	1,760	
23	New Jersey	1,750	300		192	752		1,473	12,700	802
24	New York	1,766	308,823	27,000	1,505	15,541	2,500	19,005	28,809	12,885
25	North Carolina	93			21				12,650	
26	Ohio	4,190	144,000	2,085	380	30,004		4,691	61,941	7,485
27	Oregon								125	
28	Pennsylvania	271	203,807	11,000	573	5,276		6,094	52,096	1,833
29	Rhode Island					60			600	
30	Tennessee								16,064	
31	Texas								2,180	
32	Vermont		134,030	6,200	173	1,385		202	2,030	
33	Virginia	3,000		42		225			21,545	
34	West Virginia					12		50	2,290	
35	Wisconsin					172			6,734	1,540

BAGGING: FLAX, HEMP, AND JUTE—Concluded.

	States.	PRODUCTS.						
		Bagging.	Gunny-cloth.	Cloth.	Yarn.	All other products.	All products.	
	The United States	*Yards.* 12,287,922	*Yards.* 1,215,000	*Pounds.* 942,864	*Pounds.* 767,296	*Dollars.* 473,260	*Dollars.* 4,507,664	
1	Illinois	560,000					290,000	1
2	Kentucky	4,950,200				473,260	1,752,120	2
3	Massachusetts	50,000	1,000,000				210,000	3
4	Missouri	2,488,000					750,000	4
5	New Jersey	1,000,000	180,000	942,864	767,296		621,245	5
6	New York	800,000	35,000				215,500	6
7	Ohio	2,029,722					563,799	7
8	Pennsylvania	350,000					105,000	8

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

AGRICULTURAL IMPLEMENTS—Continued.

Products—Continued.												
Reapers and mowers combined.	Rollers and scrapers.	Seed-sowers.	Scythes.	Scythe-snaths.	Separators.	Shovels.*	Sickles.	Stump-pullers.	Thrashers.	Other prod'cts.	All products.	
No.	*No.*	*No.*	*No.*	*No.*	*No.*	*Doz.*	*Doz.*	*No.*	*No.*	*Dollars.*	*Dollars.*	
59, 645	4, 803	6, 900	881, 244	17, 680	1, 131	25, 756	300	124	22, 931	5, 206, 789	52, 066, 875	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7, 500	10, 050	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12, 000	12, 000	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	49, 450	118, 540	3
.....	.....	.....	342, 000	.....	.....	.....	.....	.....	.....	138, 239	1, 183, 947	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	14	13, 430	41, 325	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	6	6, 500	77, 450	6
11, 500	1, 405	.....	.....	.....	175	.....	.....	.....	.....	449, 641	8, 880, 390	7
1, 460	762	.....	72, 000	.....	240	.....	.....	.....	647	158, 245	2, 128, 794	8
.....	.....	.....	.....	.....	.....	.....	.....	.....	206	215, 750	829, 965	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8, 714	31, 252	10
.....	.....	.....	.....	.....	95	.....	.....	.....	154	78, 630	1, 384, 917	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14, 000	12
.....	.....	.....	44, 400	780	.....	11, 000	.....	.....	135	68, 115	231, 991	13
.....	80	.....	.....	.....	.....	.....	.....	.....	81	181, 829	549, 085	14
.....	.....	750	49, 200	.....	.....	.....	.....	.....	.....	103, 601	1, 033, 590	15
.....	694	.....	.....	.....	.....	6	.....	.....	806	407, 658	1, 569, 596	16
.....	.....	.....	.....	.....	.....	.....	.....	.....	1	42, 223	267, 841	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4, 575	51, 800	18
5	.....	.....	.....	.....	.....	.....	.....	.....	8, 021	96, 970	1, 588, 108	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1, 000	1, 640	20
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17, 000	21
.....	.....	5, 300	86, 400	.....	.....	.....	.....	.....	.....	12, 545	254, 470	22
.....	.....	.....	.....	.....	.....	.....	.....	.....	299	122, 578	633, 875	23
21, 027	997	850	186, 300	.....	101	.....	.....	.....	4, 101	879, 604	11, 847, 037	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	50	17, 125	82, 110	25
24, 518	.....	.....	.....	.....	25	.....	.....	.....	5, 610	1, 036, 315	11, 907, 366	26
.....	.....	.....	.....	.....	.....	.....	.....	.....	2	8, 300	19, 950	27
1, 135	.....	.....	.....	3, 900	15	14, 500	300	124	2, 067	777, 339	3, 652, 295	28
.....	.....	.....	95, 544	.....	.....	.....	.....	.....	24	12, 040	92, 464	29
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28, 605	132, 772	30
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6, 295	42, 420	31
.....	.....	.....	5, 400	13, 000	20	.....	.....	.....	183	120, 858	523, 669	32
.....	.....	.....	.....	.....	.....	.....	.....	.....	384	56, 485	403, 457	33
.....	.....	.....	.....	.....	.....	250	.....	.....	41	8, 100	58, 281	34
.....	865	.....	.....	.....	500	.....	.....	.....	99	76, 530	2, 393, 428	35

**Shovels and Spades made in Establishments not producing other Agricultural Implements*—1870.

States.	Establishments.	Steam-engines.	Water-wheels.	All hands.	Capital.	Wages.	Materials.	PRODUCTS. Shovels.		Spades.		All products.
					Dolls.	*Dolls.*	*Dollars.*	*Doz.*	*Dollars.*	*Doz.*	*Dolls.*	*Dollars.*
The United States	13	11	21	849	757, 100	489, 100	1, 424, 944	190, 910	2, 150, 666	29, 986	294, 860	2, 445, 526
Massachusetts	5	6	18	654	371, 100	376, 000	1, 080, 144	134, 226	1, 585, 666	22, 986	234, 860	1, 820, 526
New York	1	1	....	9	10, 000	5, 000	20, 000	4, 167	40, 000	.....	.....	40, 000
Pennsylvania	7	4	3	186	376, 000	108, 100	324, 800	52, 517	525, 000	7, 000	60, 000	585, 000

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

BOOTS AND SHOES.*

	States and Territories.	Establishments.	MACHINES. Sewing.	MACHINES. Pegging.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.	CAPITAL. Dollars.	WAGES. Dollars.	MATERIALS. Sole leather.	MATERIALS. Upper leather.
											Sides.	*Sides.*
	The United States	3,151	12,394	901	91,702	70,688	18,208	2,806	37,519,019	42,504,444	4,932,403	7,614,712
1	Alabama	6	6	...	38	38	.....	...	55,800	17,800	1,121	1,627
2	Arkansas	2	3	...	12	11	1	...	4,000	9,000	115	225
3	California	46	148	2	968	838	107	23	346,249	500,812	50,042	35,009
4	Colorado	1	1	...	3	3	.....	...	500	3,200	250	100
5	Connecticut	38	193	7	1,918	1,267	589	62	475,700	543,631	49,110	51,145
6	Delaware	6	57	4	224	146	70	8	65,500	110,932	11,330	.....
7	Dist. of Columbia	5	.....	...	34	32	2	...	6,000	20,920	908	1,109
8	Georgia	11	12	4	97	88	3	6	43,400	40,945	9,298	11,373
9	Illinois	88	137	4	1,274	1,197	50	27	1,527,448	600,660	58,268	144,171
10	Indiana	88	100	7	689	664	17	8	327,275	289,892	24,903	35,688
11	Iowa	53	59	3	333	318	5	...	126,600	134,148	8,887	15,160
12	Kansas	11	9	...	73	73	.....	...	31,400	45,240	2,236	3,509
13	Kentucky	45	24	1	400	356	39	5	237,350	185,652	10,781	17,403
14	Louisiana	8	20	3	135	132	3	...	54,500	52,400	5,384	10,550
15	Maine	85	325	14	2,105	1,544	539	22	677,300	771,066	148,355	130,120
16	Maryland	68	257	...	1,631	1,279	335	17	464,300	676,701	56,515	122,002
17	Massachusetts	1,123	7,042	636	51,167	39,365	10,773	1,029	19,148,645	24,955,827	3,151,070	5,490,191
18	Michigan	81	105	...	830	757	68	5	578,172	372,844	36,336	30,895
19	Minnesota	29	32	...	212	208	4	...	97,400	103,990	10,521	24,910
20	Mississippi	6	2	...	35	35	.....	...	16,100	14,600	1,259	2,084
21	Missouri	182	284	...	960	856	23	81	505,200	562,503	46,457	132,303
22	Montana	5	3	...	15	15	.....	...	6,700	12,500	378	680
23	Nebraska	7	8	...	43	43	.....	...	36,000	34,220	1,233	3,228
24	Nevada	4	3	1	9	9	.....	...	6,900	7,300	656	750
25	New Hampshire	78	279	24	2,777	2,229	513	35	919,435	1,177,067	185,305	311,604
26	New Jersey	67	285	2	1,990	1,594	343	53	777,900	1,025,674	67,371	96,520
27	New York	341	1,135	150	11,409	8,287	2,057	1,065	4,872,966	4,998,441	549,868	537,339
28	North Carolina	6	21	4	94	74	8	12	80,500	29,500	3,741	12,025
29	Ohio	164	331	3	2,026	1,686	305	35	790,025	946,084	74,588	39,368
30	Oregon	2	4	...	10	10	.....	...	11,700	6,500	226	200
31	Pennsylvania	335	1,287	15	8,330	5,801	2,231	298	4,240,523	3,513,182	291,419	269,736
32	Rhode Island	16	33	9	306	260	45	1	70,000	114,475	12,322	15,490
33	South Carolina	2	1	...	8	8	.....	...	3,000	2,560	383	430
34	Tennessee	23	31	3	165	152	10	3	76,900	86,108	4,138	5,993
35	Texas	5	1	...	21	21	.....	...	23,800	12,076	819	830
36	Utah	2	2	...	17	17	.....	...	3,000	5,250	314	392
37	Vermont	20	34	5	331	280	44	7	141,584	137,050	15,147	17,591
38	Virginia	8	5	...	61	57	3	1	8,400	20,700	2,518	2,835
39	Washington	2	2	...	10	10	.....	...	8,000	4,400	588	422
40	West Virginia	3	7	...	20	20	.....	...	12,800	10,900	900	745
41	Wisconsin	78	105	...	927	903	21	3	637,047	343,754	36,093	38,414
42	Wyoming	1	1	...	5	5	.....	...	3,000	4,000	1,250	420

* Includes all establishments yielding an annual production of $5,000 or over.

MOTIVE POWER.—*Steam-engines, horse-power and number:* United States, 2,892 and 266; Connecticut, 19 and 2; Delaware, 15 and 2; Maine, 38 and 6; Maryland, 7 and 2; Massachusetts, 2,261 and 209; Michigan, 10 and 1; New Hampshire, 97 and 7; New Jersey, 20 and 2; New York, 296 and 18; Ohio, 48 and 4; Pennsylvania, 59 and 11; Rhode Island, 10 and 1; Vermont, 10 and 1.

Water-wheels, horse-power and number: United States, 163 and 24; Connecticut, 30 and 1; Maine, 10 and 3; Massachusetts, 94 and 18; New York, 20 and 2.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

BOOTS AND SHOES.

MATERIALS—Continued.			PRODUCTS.						
Other leather.	All other materials.	All materials.	Boots.		Shoes.		All other products.†	All products.	
Pounds.	*Dollars.*	*Dollars.*	*Pairs.*	*Dollars.*	*Pairs.*	*Dollars.*	*Dollars.*	*Dollars.*	
13, 785, 443	11, 388, 900	80, 502, 718	14, 318, 529	50, 231, 470	66, 308, 715	93, 846, 206	2, 611, 179	146, 704, 055	
2, 825	1, 355	17, 625	1, 405	17, 560	5, 260	16, 928	8, 250	42, 888	1
225	350	4, 400	1, 250	14, 850	600	2, 400	2, 250	19, 500	2
122, 088	219, 341	745, 655	103, 441	619, 922	576, 549	901, 311	17, 120	1, 538, 353	3
200	250	2, 250	300	3, 000	625	2, 575	1, 925	7, 500	4
30, 637	213, 110	990, 646	160, 090	680, 581	806, 810	1, 258, 871	200	1, 939, 652	5
1, 900	126, 192	200, 354	824	8, 440	152, 648	372, 940	1, 040	382, 420	6
7, 850	1, 610	21, 075	2, 912	31, 168	3, 725	24, 130	1, 650	56, 948	7
1, 900	4, 571	78, 172	2, 778	24, 624	62, 080	127, 940	6, 890	159, 454	8
57, 209	138, 983	1, 151, 215	365, 563	1, 701, 164	186, 128	442, 344	154, 628	2, 298, 136	9
65, 367	61, 704	445, 660	120, 202	768, 027	75, 485	177, 051	56, 714	1, 001, 792	10
30, 331	25, 236	188, 919	45, 261	322, 456	18, 449	63, 362	37, 465	423, 283	11
3, 675	4, 405	48, 235	11, 089	87, 980	3, 780	15, 608	11, 040	114, 628	12
41, 101	36, 508	193, 044	47, 053	343, 633	57, 473	186, 077	10, 472	540, 182	13
4, 400	2, 158	62, 803	3, 300	35, 300	59, 100	98, 000	3, 000	136, 300	14
442, 066	340, 981	1, 949, 989	154, 754	611, 812	1, 934, 405	2, 532, 935	10, 474	3, 155, 221	15
38, 600	171, 030	905, 102	77, 497	522, 506	793, 355	1, 452, 186	23, 076	1, 997, 768	16
8, 068, 275	6, 618, 441	50, 509, 201	10, 129, 910	29, 164, 594	45, 443, 049	56, 840, 464	560, 387	86, 565, 445	17
111, 757	66, 108	587, 104	146, 416	863, 741	121, 421	322, 779	62, 610	1, 249, 130	18
35, 784	10, 633	231, 497	56, 009	253, 755	55, 853	118, 213	23, 960	395, 928	19
2, 462	1, 750	21, 521	2, 110	24, 320	7, 674	24, 654	2, 624	51, 598	20
75, 197	46, 453	1, 102, 118	158, 009	1, 567, 033	148, 466	600, 865	195, 803	2, 363, 701	21
200	2, 500	11, 210	1, 745	28, 350	60	650	6, 450	35, 450	22
2, 050	6, 018	34, 550	5, 738	63, 974	3, 691	19, 188	21, 538	104, 700	23
275	1, 400	9, 650	1, 389	26, 460	75	750	1, 290	28, 500	24
272, 333	267, 796	2, 815, 788	63, 850	210, 100	3, 256, 771	4, 567, 420	2, 500	4, 780, 020	25
531, 322	202, 110	1, 333, 590	125, 950	850, 304	945, 932	1, 896, 558	83, 460	2, 830, 322	26
2, 366, 818	1, 368, 380	9, 383, 167	1, 531, 179	6, 141, 503	5, 815, 126	10, 732, 242	939, 303	17, 813, 048	27
29, 500	4, 360	92, 391	1, 150	5, 200	96, 290	162, 401	.....	167, 601	28
267, 306	364, 443	1, 294, 925	185, 238	1, 194, 966	668, 561	1, 562, 353	109, 484	2, 866, 803	29
1, 200	140	3, 365	900	10, 000	1, 000	6, 000	1, 000	17, 000	30
902, 302	934, 341	4, 734, 136	481, 927	2, 412, 394	4, 552, 274	8, 438, 986	151, 207	11, 002, 587	31
24, 328	26, 225	267, 595	24, 366	135, 110	187, 090	287, 094	.....	437, 254	32
960	359	6, 709	466	5, 724	2, 050	10, 500	1, 176	17, 400	33
12, 940	5, 606	83, 044	13, 290	125, 350	31, 804	93, 080	18, 750	237, 180	34
1, 500	3, 150	14, 980	2, 531	26, 872	1, 997	8, 931	1, 700	37, 503	35
.....	256	4, 166	525	4, 185	2, 800	8, 200	.....	12, 385	36
40, 825	47, 891	240, 687	102, 075	400, 929	100, 150	141, 000	5, 860	547, 789	37
4, 281	1, 863	29, 009	4, 665	30, 280	10, 004	33, 118	7, 386	70, 784	38
234	570	5, 307	1, 100	12, 000	1, 075	2, 375	1, 500	15, 875	39
1, 430	615	10, 995	3, 200	20, 000	1, 550	4, 450	1, 400	26, 750	40
173, 470	59, 508	656, 319	169, 072	828, 403	117, 280	287, 677	65, 597	1, 181, 677	41
8, 320	200	15, 150	2, 000	32, 000	200	1, 600	.....	33, 600	42

† Chiefly repairing.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

BRICK AND TILE.

	States and Territories.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.
	The United States	3,137	10,453	376	328	22	43,511	39,754	260	3,497
1	Alabama	13	.....	.....	.....	.....	157	131	3	23
2	Arkansas	6	.....	.....	.....	.....	77	68	.....	9
3	California	34	.....	.....	.....	.....	610	610	.....	.....
4	Colorado	6	20	1	.....	.....	63	63	.....	.....
5	Connecticut	71	40	2	20	2	716	703	3	10
6	Delaware	14	82	4	.....	.....	365	327	.....	38
7	District of Columbia	13	100	5	.....	.....	427	419	.....	8
8	Florida	4	.....	.....	.....	.....	55	49	.....	6
9	Georgia	41	61	3	.....	.....	860	696	19	145
10	Illinois	240	700	23	.....	.....	3,203	2,930	3	264
11	Indiana	275	92	5	.....	.....	2,009	1,896	.....	113
12	Iowa	116	.....	.....	.....	.....	971	944	1	26
13	Kansas	27	.....	.....	.....	.....	270	238	.....	32
14	Kentucky	40	20	3	.....	.....	507	399	.....	108
15	Louisiana	22	20	1	.....	.....	401	296	70	35
16	Maine	110	175	3	.....	.....	773	769	2	2
17	Maryland	73	116	5	.....	.....	2,051	1,919	1	131
18	Massachusetts	107	823	28	44	3	2,901	2,802	.....	99
19	Michigan	136	609	27	.....	.....	1,584	1,505	21	58
20	Minnesota	38	.....	.....	.....	.....	377	377	.....	.....
21	Mississippi	12	.....	.....	.....	.....	139	120	1	18
22	Missouri	186	255	7	.....	.....	2,198	2,077	2	119
23	Montana	2	.....	.....	.....	.....	8	8	.....	.....
24	Nebraska	17	.....	.....	.....	.....	109	108	1	.....
25	Nevada	1	.....	.....	.....	.....	9	9	.....	.....
26	New Hampshire	57	55	2	.....	.....	544	544	.....	.....
27	New Jersey	118	1,119	35	.....	.....	2,366	2,245	7	114
28	New York	320	2,807	87	89	10	6,728	6,161	81	486
29	North Carolina	8	.....	.....	.....	.....	96	79	.....	17
30	Ohio	354	636	31	118	4	2,627	2,488	7	132
31	Oregon	5	.....	.....	.....	.....	43	43	.....	.....
32	Pennsylvania	458	1,868	68	57	3	7,443	6,219	4	1,220
33	Rhode Island	3	100	4	.....	.....	224	216	.....	8
34	South Carolina	4	15	1	.....	.....	38	33	5	.....
35	Tennessee	34	80	2	.....	.....	442	349	3	90
36	Texas	24	24	1	.....	.....	268	218	3	47
37	Utah	1	.....	.....	.....	.....	6	6	.....	.....
38	Vermont	18	7	1	.....	.....	166	162	.....	4
39	Virginia	22	9	1	.....	.....	251	190	20	41
40	Washington	5	.....	.....	.....	.....	34	33	1	.....
41	West Virginia	24	432	14	.....	.....	262	213	.....	49
42	Wisconsin	79	179	12	.....	.....	1,133	1,086	2	45

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

BRICK AND TILE.

CAPITAL.	WAGES.	MATERIALS.	PRODUCTS.					
Dollars.	Dollars.	Dollars.	Common brick.	Fire-brick.	Pressed brick.	All other products, including tile and drain pipe.	All products.	
20, 613, 738	10, 235, 791	7, 458, 701	*Thousand.* 2, 801, 832	*Thousand* 60, 072	*Thousand.* 37, 428	*Dollars.* 1, 887, 335	*Dollars.* 29, 302, 016	
29, 800	36, 030	17, 930	13, 650	.....	.....	400	164, 530	1
23, 775	18, 875	4, 150	4, 564	.....	.....	.....	41, 000	2
226, 200	128, 139	166, 750	53, 120	.....	.....	.....	407, 800	3
28, 000	16, 900	10, 200	3, 700	30	.....	4, 500	40, 250	4
250, 180	196, 508	97, 895	50, 796	400	.....	6, 800	438, 951	5
210, 692	114, 186	49, 206	16, 463	.....	125	32, 000	218, 496	6
91, 700	124, 750	62, 400	26, 870	.....	.....	.....	257, 800	7
17, 500	22, 300	18, 250	4, 300	.....	.....	.....	57, 000	8
132, 500	146, 487	94, 981	40, 860	300	.....	.....	420, 109	9
1, 018, 140	678, 945	381, 010	224, 553	80	.....	33, 000	1, 638, 764	10
536, 792	331, 598	207, 386	87, 972	1, 450	.....	333, 300	984, 264	11
168, 030	192, 995	96, 849	56, 340	.....	.....	350	425, 919	12
41, 450	43, 777	23, 789	12, 668	.....	.....	.....	106, 845	13
120, 575	101, 026	69, 078	39, 250	900	.....	25	278, 218	14
147, 250	94, 600	58, 782	23, 870	.....	.....	.....	264, 300	15
322, 370	134, 208	127, 231	63, 975	.....	550	1, 200	405, 893	16
1, 063, 300	588, 283	256, 963	113, 287	1, 100	.....	8, 000	1, 191, 545	17
2, 435, 310	765, 168	978, 508	172, 064	3, 040	12, 000	84, 600	2, 251, 984	18
438, 800	275, 331	128, 665	99, 840	75	.....	93, 340	681, 480	19
116, 525	69, 746	52, 835	22, 205	.....	.....	.....	178, 840	20
27, 200	13, 838	6, 370	4, 195	.....	.....	.....	34, 191	21
1, 198, 451	652, 610.	446, 639	195, 300	5, 500	2, 865	4, 300	3, 148, 884	22
675	1, 126	450	225	.....	.....	.....	4, 500	23
22, 900	20, 874	16, 823	6, 225	.....	.....	.....	61, 865	24
800	3, 000	900	350	.....	.....	.....	4, 500	25
131, 805	112, 040	88, 570	39, 571	2, 800	124	2, 500	313, 831	26
1, 886, 560	679, 157	483, 965	149, 011	9, 755	.....	227, 460	1, 695, 530	27
3, 416, 280	1, 886, 424	1, 265, 299	538, 353	5, 614	2, 434	324, 340	4, 483, 202	28
20, 350	10, 160	15, 620	6, 268	.....	.....	.....	55, 660	29
743, 160	529, 696	340, 024	142, 778	4, 447	.....	565, 090	1, 526, 514	30
10, 400	9, 284	2, 670	2, 917	.....	.....	.....	21, 242	31
4, 559, 783	2, 337, 691	1, 530, 527	428, 640	24, 581	18, 900	127, 880	6, 071, 209	32
231, 000	44, 372	32, 300	15, 800	.....	.....	100	154, 000	33
5, 100	3, 560	7, 400	1, 950	.....	.....	.....	23, 300	34
78, 785	68, 708	66, 686	30, 080	.....	.....	.....	225, 000	35
82, 175	49, 636	54, 017	16, 720	.....	.....	.....	172, 670	36
1, 200	600	300	100	.....	.....	.....	1, 000	37
72, 450	31, 620	18, 910	9, 150	.....	220	7, 500	76, 380	38
61, 250	31, 303	22, 600	9, 881	.....	10	2, 500	96, 034	39
5, 500	3, 900	1, 250	845	.....	.....	.....	9, 560	40
182, 975	67, 835	28, 562	11, 910	.....	.....	26, 950	139, 050	41
456, 050	198, 445	125, 361	61, 126	.....	200	1, 200	509, 606	42

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

CHEESE, (FACTORY.)

	States and Territories.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.	CAPITAL. Dollars.	WAGES. Dollars.
	The United States	1,313	1,872	261	119	16	4,607	3,272	1,279	56	3,690,075	706,506
1	Alabama											
2	Arizona											
3	Arkansas											
4	California											
5	Colorado	1					1	1			1,800	
6	Connecticut	7	10	1			18	17		1	9,600	1,140
7	Dakota											
8	Delaware											
9	District of Columbia											
10	Florida											
11	Georgia											
12	Idaho											
13	Illinois	69	155	19			197	173	24		191,400	32,721
14	Indiana	17					30	29	1		26,270	1,550
15	Iowa	14	10	1			42	30	10	2	25,415	3,700
16	Kansas	1					3	2	1		1,200	300
17	Kentucky	4	22	2			16	16			31,600	6,700
18	Louisiana											
19	Maine											
20	Maryland											
21	Massachusetts	23					66	49	16	1	85,330	15,399
22	Michigan	30	130	6			101	80	21		122,750	13,320
23	Minnesota	2	12	1			5	5			6,300	475
24	Mississippi											
25	Missouri	1					2	2			300	
26	Montana	1					2	2			3,200	350
27	Nebraska	5					9	6	2	1	5,650	350
28	Nevada											
29	New Hampshire	2	5	1			5	5			3,000	370
30	New Jersey	8			5	1	25	18	6	1	9,200	4,756
31	New Mexico											
32	New York	818	1,026	160	74	11	2,934	1,966	926	42	2,329,400	450,889
33	North Carolina	3					15	10	5		14,500	2,420
34	Ohio	195	317	45	40	4	759	571	187	1	474,970	116,635
35	Oregon	1					3	3			800	480
36	Pennsylvania	27	72	9			93	75	17	1	109,750	19,074
37	Rhode Island											
38	South Carolina											
39	Tennessee											
40	Texas											
41	Utah											
42	Vermont	28	64	8			92	64	28		107,700	18,305
43	Virginia	2					12	5	5	2	3,200	650
44	Washington											
45	West Virginia											
46	Wisconsin	54	49	8			177	143	30	4	126,740	16,982
47	Wyoming											

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

CHEESE, (FACTORY.)

MATERIALS.			PRODUCTS.			MILCH COWS AND DAIRY PRODUCTS.*				
Milk.	Other materials.	All materials.	Cheese.	Other products.	All products.	Milch cows.	Butter.	Cheese.	Milk sold.	
Gallons.	*Dolls.*	*Dollars.*	*Pounds.*	*Dolls.*	*Dollars.*	*Number.*	*Pounds.*	*Pounds.*	*Gallons.*	
116, 466, 405	567, 535	14, 089, 284	109, 435, 229	61, 096	16, 771, 665	8, 935, 332	514, 092, 683	53, 492, 153	235, 500, 599	
.....	.....	.....	.....	.....	.....	170, 640	3, 213, 753	2, 732	104, 657	1
.....	.....	.....	.....	.....	.....	938	800	14, 500	4, 800	2
.....	.....	.....	.....	.....	.....	128, 959	2, 753, 931	2, 119	31, 350	3
.....	.....	.....	.....	.....	.....	104, 093	7, 969, 744	3, 395, 074	3, 693, 021	4
5, 000	80	480	4, 000	.....	1, 280	25, 017	392, 920	33, 626	19, 520	5
271, 410	962	27, 400	231, 700	.....	38, 024	98, 889	6, 716, 007	2, 031, 194	6, 253, 259	6
.....	.....	.....	.....	.....	.....	4, 151	209, 735	1, 850	.....	7
.....	.....	.....	.....	.....	.....	24, 082	1, 171, 963	315	758, 603	8
.....	.....	.....	.....	.....	.....	657	4, 495	.....	126, 077	9
.....	.....	.....	.....	.....	.....	61, 922	100, 989	25	3, 002	10
.....	.....	.....	.....	.....	.....	231, 310	4, 499, 572	4, 292	109, 139	11
.....	.....	.....	.....	.....	.....	4, 171	111, 480	4, 464	11, 250	12
4, 748, 119	22, 009	440, 890	4, 072, 301	1, 000	557, 356	640, 321	36, 083, 405	1, 661, 703	9, 258, 545	13
130, 625	293	11, 686	107, 680	.....	16, 076	393, 736	22, 915, 385	283, 807	936, 983	14
248, 893	1, 093	25, 579	256, 900	.....	44, 590	369, 811	27, 512, 179	1, 087, 741	688, 800	15
15, 000	.....	1, 500	15, 000	.....	2, 700	123, 440	5, 022, 758	226, 607	196, 662	16
265, 000	1, 185	27, 685	246, 000	.....	42, 000	247, 615	11, 874, 978	115, 219	1, 345, 779	17
.....	.....	.....	.....	.....	.....	102, 076	322, 405	11, 747	833, 928	18
.....	.....	.....	.....	.....	.....	139, 259	11, 636, 482	1, 152, 590	1, 374, 091	19
.....	.....	.....	.....	.....	.....	94, 794	5, 014, 729	6, 732	1, 520, 101	20
2, 070, 238	13, 451	281, 768	1, 885, 436	.....	321, 900	114, 771	6, 559, 161	2, 245, 873	15, 284, 057	21
1, 925, 031	3, 222	186, 989	1, 650, 997	70	239, 659	250, 859	24, 400, 185	670, 804	2, 277, 122	22
37, 500	75	4, 525	37, 500	.....	5, 850	121, 467	9, 522, 010	233, 977	208, 130	23
.....	.....	.....	.....	.....	.....	173, 899	2, 613, 521	3, 099	17, 052	24
9, 765	48	828	9, 785	.....	1, 943	398, 515	14, 455, 825	204, 090	857, 704	25
2, 000	28	328	2, 000	.....	800	12, 432	408, 080	25, 603	105, 186	26
29, 300	170	4, 040	32, 400	1, 950	7, 270	28, 940	1, 539, 535	46, 142	95, 059	27
.....	.....	.....	.....	.....	.....	6, 174	110, 880	.....	63, 850	28
31, 000	90	3, 690	23, 250	.....	4, 650	90, 583	5, 965, 080	849, 118	2, 352, 884	29
440, 107	650	43, 643	440, 107	2, 875	52, 147	133, 331	8, 266, 023	38, 229	5, 373, 323	30
.....	.....	.....	.....	.....	.....	16, 417	12, 912	27, 239	813	31
83, 345, 176	403, 402	10, 372, 598	78, 006, 048	20, 471	12, 164, 065	1, 350, 661	107, 147, 526	22, 769, 964	135, 775, 919	32
44, 630	450	6, 474	48, 800	.....	9, 760	196, 731	4, 297, 834	75, 185	17, 145	33
15, 746, 503	60, 410	1, 875, 711	15, 984, 390	450	2, 287, 804	654, 390	50, 266, 372	8, 169, 486	22, 275, 344	34
39, 000	109	5, 959	40, 000	.....	8, 400	48, 325	1, 418, 373	79, 333	107, 367	35
2, 034, 369	33, 027	205, 367	1, 647, 467	33, 780	268, 702	706, 437	60, 834, 644	1, 145, 209	14, 411, 729	36
.....	.....	.....	.....	.....	.....	18, 806	941, 199	81, 976	1, 944, 044	37
.....	.....	.....	.....	.....	.....	98, 693	1, 461, 980	169	241, 815	38
.....	.....	.....	.....	.....	.....	243, 197	9, 571, 069	142, 240	415, 786	39
.....	.....	.....	.....	.....	.....	428, 048	3, 712, 747	34, 342	62, 771	40
.....	.....	.....	.....	.....	.....	17, 563	310, 335	69, 603	11, 240	41
3, 217, 126	15, 630	365, 928	2, 984, 179	.....	445, 323	180, 285	17, 844, 396	4, 830, 700	3, 835, 840	42
13, 300	100	1, 500	12, 500	.....	2, 310	188, 471	6, 979, 269	71, 743	266, 812	43
.....	.....	.....	.....	.....	.....	16, 938	407, 306	17, 465	21, 060	44
.....	.....	.....	.....	.....	.....	104, 434	5, 044, 475	32, 429	144, 895	45
1, 797, 313	11, 051	194, 716	1, 696, 783	500	249, 056	308, 377	22, 473, 036	1, 591, 798	2, 059, 105	46
.....	.....	.....	.....	.....	.....	707	1, 200	.....	4, 980	47

* From the Agricultural Tables.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

COTTON GOODS.

	States and Territories.	Establishments.	Steam-engines. Horse-power.	Steam-engines. Number.	Water-wheels. Horse-power.	Water-wheels. Number.	Machines. Looms.	Machines. Frame-spindles.	Machines. Mule-spindles.	Hands employed. All.	Hands employed. Males above 16.	Hands employed. Females above 15.	Hands employed. Youth.
	The United States	956	47,117	448	99,191	1,240	157,310	3,694,477	3,437,938	135,369	42,790	69,637	22,942
1	Alabama	13	175	3	824	14	632	19,802	8,244	1,032	303	445	284
2	Arkansas	2	15	1	10	1	.....	125	1,000	17	8	3	6
3	Connecticut	111	860	15	10,840	177	11,943	294,760	302,382	12,086	4,443	4,734	2,909
4	Delaware	6	500	5	370	6	771	18,634	10,900	726	225	286	215
5	Georgia	34	200	4	2,920	59	1,887	74,148	11,454	2,846	1,147	1,080	619
6	Illinois	5	47	3	90	2	16	1,856	.....	98	26	31	41
7	Indiana	4	1,081	7	80	2	448	17,360	.....	504	119	179	206
8	Iowa	1	6	1	.....	.....	.....	.....	.....	6	3	3	.....
9	Kentucky	5	330	5	60	1	72	7,060	674	269	77	71	121
10	Louisiana	4	255	4	.....	.....	292	10,200	2,884	246	123	57	66
11	Maine	23	320	2	8,018	85	9,902	259,594	200,178	9,439	2,606	6,246	587
12	Maryland	22	1,510	8	1,991	21	1,947	82,212	6,000	2,860	688	1,452	720
13	Massachusetts	191	17,217	111	32,310	335	55,343	1,235,552	1,363,989	43,512	13,694	24,065	5,753
14	Mississippi	5	270	3	96	3	152	2,526	1,000	265	78	88	99
15	Missouri	3	375	3	.....	.....	415	16,015	700	361	107	154	100
16	New Hampshire	36	915	7	17,777	94	19,091	447,795	302,048	12,542	3,752	7,490	1,300
17	New Jersey	27	1,799	15	1,260	22	2,176	107,542	93,038	3,514	1,086	1,745	683
18	New York	81	4,898	40	5,202	82	17,218	131,380	361,193	9,144	2,608	4,546	1,990
19	North Carolina	33	120	3	1,533	34	618	37,957	1,940	1,453	258	916	279
20	Ohio	7	305	5	81	3	208	14,320	8,920	462	216	147	99
21	Pennsylvania	138	7,440	116	1,983	44	12,862	232,528	201,718	12,730	3,859	6,097	2,774
22	Rhode Island	139	7,391	71	10,726	186	18,075	503,797	539,445	16,745	5,583	8,028	3,134
23	South Carolina	12	.....	...	955	14	745	34,683	257	1,123	280	508	326
24	Tennessee	28	470	9	676	21	313	22,485	5,438	890	252	463	175
25	Texas	4	268	4	.....	.....	235	8,478	400	291	184	52	55
26	Utah	3	.....	...	39	3	11	1,020	.....	16	10	2	4
27	Vermont	8	50	1	600	12	628	16,532	12,236	451	125	242	84
28	Virginia	11	210	2	750	19	1,310	76,116	1,000	1,741	921	507	313

CARPETS, OTHER THAN RAG.

	States and Territories.	Establishments.	Steam-engines. Horse-power.	Steam-engines. Number.	Water-wheels. Horse-power.	Water-wheels. Number.	Machines. Combing-machines.	Machines. Cards, sets.	Machines. Hand-looms.	Machines. Power-looms.	Hands employed. All.	Hands employed. Males above 16.	Hands employed. Females above 15.	Hands employed. Youth.
	The United States	215	3,017	45	702	18	100	241	3,975	1,451	12,098	6,808	4,316	974
1	Connecticut	3	800	8	.....	....	31	22	50	247	1,185	451	514	220
2	District of Columbia	1	.....	....	.....	....	...	....	3	.....	2	2	.....	.....
3	Maryland	1	.....	....	15	1	....	1	12	.....	12	8	2	2
4	Massachusetts	6	303	9	100	5	54	66	49	429	2,200	841	1,323	36
5	New Hampshire	3	1	....	200	1	6	9	20	21	170	72	79	19
6	New Jersey	2	30	1	120	2	....	17	30	24	147	76	43	28
7	New York	13	1,333	11	265	8	....	87	646	669	3,424	1,659	1,444	321
8	Pennsylvania	184	550	16	2	1	9	38	3,161	61	4,941	3,688	905	348
9	Wisconsin	2	.....	....	.....	....	....	1	4	.....	17	11	6	.....

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

COTTON GOODS.

Capital.	Wages.	MATERIALS. Cotton.	Cotton-yarn.*	Cotton-waste.	Mill supplies.	All materials.	PRODUCTS. Sheetings, shirtings, and twilled goods.	Lawns and fine muslins.	
Dollars.	*Dollars.*	*Pounds.*	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	*Yards.*	*Yards.*	
140, 706, 291	39, 044, 132	398, 308, 257	6, 222, 189	5, 234, 260	10, 910, 672	111, 736, 936	478, 204, 513	34, 533, 462	
931, 000	216, 679	3, 249, 523	.....	.....	98, 484	764, 965	4, 518, 403	.....	1
13, 000	4, 100	66, 400	.....	.....	500	13, 780	.....	.....	2
12, 710, 700	3, 246, 783	31, 747, 309	.....	400, 000	780, 329	8, 818, 651	52, 655, 693	8, 338, 677	3
1, 165, 000	190, 069	2, 587, 615	.....	.....	80, 705	704, 733	2, 396, 000	.....	4
3, 433, 205	611, 868	10, 921, 176	.....	.....	89, 401	2, 504, 758	13, 739, 847	.....	5
151, 000	25, 500	857, 000	.....	.....	15, 525	177, 525	.....	.....	6
551, 500	116, 230	2, 070, 318	.....	.....	42, 405	542, 875	3, 831, 059	.....	7
1, 500	275	20, 000	.....	.....	150	4, 950	.....	.....	8
405, 000	57, 951	1, 584, 625	.....	.....	16, 880	375, 048	.....	.....	9
592, 000	60, 000	748, 525	.....	.....	11, 200	161, 485	438, 860	.....	10
9, 839, 685	2, 565, 197	25, 887, 771	.....	.....	614, 979	6, 746, 780	65, 614, 092	.....	11
2, 734, 250	671, 933	12, 693, 647	.....	.....	119, 876	3, 400, 423	18, 839, 625	2, 358, 454	12
44, 714, 375	13, 589, 305	130, 654, 040	526, 144	3, 744, 000	3, 325, 419	37, 371, 599	22, 123, 147	12, 434, 858	13
751, 500	61, 833	580, 764	.....	.....	10, 824	123, 568	407, 788	.....	14
489, 200	120, 300	2, 196, 600	.....	.....	51, 745	481, 745	2, 150, 000	.....	15
13, 332, 710	3, 989, 853	41, 469, 719	.....	4, 000	1, 702, 691	12, 318, 867	89, 326, 701	75, 000	16
2, 762, 000	1, 009, 351	7, 920, 035	325, 000	.....	246, 506	1, 964, 758	4, 174, 000	2, 442, 000	17
8, 511, 336	2, 626, 131	24, 783, 351	53, 000	867, 260	650, 743	6, 990, 626	25, 382, 532	1, 327, 336	18
1, 030, 900	182, 951	4, 238, 276	.....	.....	45, 933	963, 809	2, 954, 607	.....	19
555, 700	113, 520	2, 226, 400	.....	.....	8, 625	493, 704	1, 294, 500	.....	20
12, 550, 720	3, 496, 986	32, 953, 318	4, 816, 608	219, 000	1, 202, 363	10, 724, 052	65, 706, 865	.....	21
18, 836, 300	5, 224, 650	44, 630, 787	501, 437	.....	1, 756, 982	13, 268, 315	77, 973, 206	7, 557, 137	22
1, 337, 000	257, 680	4, 756, 823	.....	.....	11, 129	761, 469	8, 273, 900	.....	23
970, 650	178, 150	2, 872, 582	.....	.....	21, 645	595, 789	1, 976, 450	.....	24
496, 000	68, 211	1, 077, 118	.....	.....	15, 719	216, 519	739, 778	.....	25
42, 000	6, 360	23, 500	.....	.....	501	7, 051	700	.....	26
670, 000	125, 000	1, 235, 652	.....	.....	21, 486	292, 269	142, 000	.....	27
1, 128, 000	229, 750	4, 255, 383	.....	.....	31, 897	937, 820	12, 544, 820	.....	28

* Also *Cotton-Warps:* Pennsylvania, 136,100 pounds.

CARPETS, OTHER THAN RAG.

Capital.	Wages.	MATERIALS. Cotton.	Cotton and linen yarns.	Jute or flax.	Wool.	Woolen yarn.	All other materials.	All materials.	
Dollars.	*Dollars.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	
12, 540, 750	4, 681, 718	974, 440	1, 140, 737	3, 691, 909	25, 139, 999	7, 835, 954	1, 577, 032	13, 577, 993	
1, 530, 000	432, 031	.....	.....	1, 800	2, 691, 038	.....	413, 077	1, 307, 397	1
4, 400	600	.....	500	.....	.....	1, 600	562	1, 747	2
10, 000	5, 080	.....	.....	.....	21, 000	.....	1, 000	7, 300	3
3, 250, 000	832, 954	250, 040	413, 330	961, 974	10, 813, 264	.....	476, 948	3, 230, 628	4
310, 000	55, 730	.....	.....	.....	615, 428	.....	48, 068	226, 288	5
155, 000	60, 412	.....	.....	.....	297, 367	.....	24, 197	111, 497	6
4, 251, 750	1, 423, 784	402, 000	.....	1, 500, 000	8, 401, 332	.....	372, 585	3, 046, 863	7
3, 026, 500	1, 870, 527	321, 900	726, 907	1, 228, 135	2, 299, 320	7, 834, 354	249, 420	5, 619, 448	8
3, 100	600	500	.....	.....	1, 250	.....	175	825	9

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

COTTON GOODS—Continued.

	States and Territories.	PRODUCTS—Continued.							
		Print, cloth.	Yarn, not woven.	Spool-thread.	Warps.	Bats, wicking, and wadding.	Table-cloths, quilts, and counterpanes.	Seamless bags.	Cordage, lines, and twines.
		Yards.	*Pounds.*	*Dozens.*	*Yards.*	*Pounds.*	*No.*	*Number.*	*Pounds.*
	The United States	489, 250, 053	30, 301, 087	11, 560, 241	73, 018, 045	11, 118, 127	493, 892	2, 767, 060	5, 057, 454
1	Alabama	.....	548, 750	105, 724	.....	.....	.....	.....	33, 129
2	Arkansas	.....	.....	.....	.....	.....	.....	.....	.....
3	Connecticut	34, 279, 875	1, 281, 780	3, 397, 130	11, 367, 664	1, 232, 305	.....	173, 960	1, 370, 700
4	Delaware	.....	1, 475, 600	.....	.....	171, 428	.....	.....	.....
5	Georgia	.....	4, 097, 167	.....	.....	2, 696	10, 000	.....	214, 249
6	Illinois	.....	.....	.....	1, 305, 000	330, 000	.....	.....	79, 000
7	Indiana	.....	74, 880	.....	3, 600, 000	100, 000	.....	.....	.....
8	Iowa	.....	.....	.....	.....	18, 000	.....	.....	.....
9	Kentucky	.....	637, 000	.....	530, 000	131, 000	.....	12, 230	68, 000
10	Louisiana	.....	112, 000	4, 000	.....	.....	.....	.....	5, 000
11	Maine	.....	490, 450	.....	78, 000	265, 400	137, 620	933, 470	72, 000
12	Maryland	.....	1, 247	.....	90, 550	.....	190, 000	.....	325, 468
13	Massachusetts	229, 613, 105	2, 108, 952	2, 595, 358	33, 712, 996	3, 773, 664	127, 424	.....	924, 164
14	Mississippi	1, 712	275, 461	.....	.....	.....	.....	.....	.....
15	Missouri	.....	1, 044, 000	.....	14, 000	173, 000	.....	.....	147, 000
16	New Hampshire	40, 843, 969	132, 200	.....	.....	237, 026	850	1, 595, 700	28, 300
17	New Jersey	11, 000, 000	1, 729, 075	1, 650, 000	3, 120, 950	219, 800	.....	.....	.....
18	New York	82, 335, 833	250, 076	.....	5, 097, 000	1, 659, 176	.....	.....	268, 796
19	North Carolina	.....	2, 180, 062	.....	1, 486, 000	2, 000	.....	.....	.....
20	Ohio	.....	957, 900	.....	810, 000	121, 000	.....	.....	79, 600
21	Pennsylvania	9, 704, 795	4, 510, 486	.....	2, 944, 335	872, 568	23, 020	.....	121, 000
22	Rhode Island	75, 183, 628	6, 155, 692	3, 341, 200	6, 281, 150	1, 367, 800	4, 969	50, 000	1, 165, 024
23	South Carolina	.....	808, 781	.....	260, 000	150, 000	.....	.....	.....
24	Tennessee	.....	1, 229, 098	466, 820	.....	289, 689	.....	1, 700	56, 024
25	Texas	.....	46, 175	.....	.....	.....	.....	.....	100, 000
26	Utah	.....	21, 280	.....	.....	1, 575	.....	.....	.....
27	Vermont	6, 287, 136	.....	.....	2, 320, 400	.....	.....	.....	.....
28	Virginia	.....	132, 075	.....	.....	.....	.....	.....	.....

CARPETS, OTHER THAN RAG—Concluded.

	States and Territories.	PRODUCTS.									
		Brussels.	Felt.	Ingrain, 2 and 3 ply.	Jute.	Tapestry.	Velvet.	Venetian.	All other products.	All products.	
		Yards.	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Dolls.*	*Dollars.*	
	The United States	806, 505	586, 000	16, 924, 711	500, 000	1, 711, 000	107, 000	1, 350, 017	670, 047	21, 761, 573	
1	Connecticut	162, 505	29, 000	1, 519, 045	.....	.....	.....	.....	.....	2, 027, 136	1
2	Dist. of Columbia	.....	.....	1, 273	.....	.....	.....	.....	1, 000	2, 600	2
3	Maryland	.....	.....	10, 000	.....	.....	.....	5, 000	.....	14, 000	3
4	Massachusetts	544, 080	.....	1, 969, 560	.....	811, 000	17, 000	.....	180, 000	4, 487, 525	4
5	New Hampshire	.....	.....	113, 600	.....	.....	.....	.....	179, 800	299, 700	5
6	New Jersey	.....	.....	118, 720	.....	.....	.....	.....	62, 700	193, 650	6
7	New York	100, 000	500, 000	2, 805, 288	.....	900, 000	90, 000	30, 000	36, 544	4, 976, 835	7
8	Pennsylvania	.....	57, 000	10, 385, 725	500, 000	.....	.....	1, 315, 017	209, 997	9, 758, 171	8
9	Wisconsin	.....	.....	1, 500	.....	.....	.....	.....	.....	1, 950	9

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

COTTON GOODS—Continued.

PRODUCTS—Continued.										
Flannel.	Thread.	Ginghams and checks.	Cotton-waste.	Tape and webbing.	Seamless bags.	Cassimeres, cottonades, and jeans.	Other products.	All products.		
Yards.	*Pounds.*	*Yards.*	*Pounds.*	*Pounds.*	*Pounds.*	*Yards.*	*Pounds.*	*Pounds.*	*Dollars.*	
8,390,050	906,068	39,275,244	7,921,449	484,400	405,585	13,940,895	10,811,028	349,314,592	177,489,739	
.....	.....	1,039,321	.....	.....	.....	.....	12,000	2,843,000	1,088,767	1
.....	53,125	.....	.....	.....	.....	.....	.....	53,125	22,562	2
.....	.....	1,671,309	510,717	439,400	175,585	.....	111,786	27,296,710	14,026,334	3
.....	.....	306,600	.....	.....	.....	.....	420,400	2,437,649	1,060,808	4
.....	421,416	1,653,434	.....	.....	.....	.....	4,000	9,596,800	3,648,973	5
.....	.....	.....	.....	.....	185,000	.....	.....	739,000	279,000	6
.....	.....	.....	.....	.....	.....	.....	113,337	1,779,481	778,047	7
.....	.....	.....	.....	.....	.....	.....	.....	18,000	7,000	8
.....	.....	.....	.....	.....	.....	.....	.....	1,389,000	498,060	9
.....	.....	926,000	.....	.....	.....	.....	.....	629,025	251,550	10
.....	.....	.....	.....	.....	.....	1,889,600	844,000	23,627,155	11,844,181	11
.....	.....	564,240	.....	.....	.....	.....	4,900	10,496,677	4,852,808	12
6,864,954	407,527	13,690,000	6,610,160	54,000	.....	.....	1,233,057	113,803,458	59,493,153	13
.....	.....	200,202	.....	.....	.....	.....	2,892	529,573	234,445	14
.....	.....	.....	.....	.....	45,000	.....	2,000	1,949,900	798,050	15
442,696	.....	1,845,199	.....	.....	.....	5,260,000	.....	35,003,432	16,999,672	16
.....	.....	880,000	602,145	.....	.....	.....	300,000	6,723,748	4,015,768	17
.....	.....	.....	25,927	.....	.....	1,500,000	635,253	22,113,630	11,178,211	18
.....	24,000	.....	.....	.....	.....	.....	.....	3,444,166	1,345,052	19
.....	.....	.....	112,500	.....	.....	.....	.....	1,918,000	681,835	20
1,082,400	.....	15,101,170	.....	.....	.....	5,288,795	608,410	32,494,857	17,490,080	21
.....	.....	.....	.....	.....	.....	.....	6,516,386	38,503,060	22,049,203	22
.....	.....	.....	.....	.....	.....	.....	.....	4,125,210	1,529,937	23
.....	.....	.....	.....	.....	.....	2,500	2,007	2,381,477	941,542	24
.....	.....	1,261,769	.....	.....	.....	.....	600	887,695	374,598	25
.....	.....	.....	.....	.....	.....	.....	.....	23,195	16,803	26
.....	.....	.....	.....	.....	.....	.....	.....	1,051,000	546,510	27
.....	.....	130,000	.....	.....	.....	.....	.....	3,456,569	1,435,800	28

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

FLOURING AND GRIST MILL PRODUCTS.

	States and Territories.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	Runs of stone.	Daily capacity.	All hands employed.	Capital.	Wages.
							No.	*Bushels.*	*No.*	*Dollars.*	*Dollars.*
	The United States.	22, 573	168, 736	5, 383	407, 950	21, 213	48, 051	3, 271, 128	58, 448	151, 565, 376	14, 577, 533
1	Alabama	613	2, 560	129	7, 740	554	925	42, 174	1, 208	1, 191, 856	177, 542
2	Arizona	2	25	1	10	1	3	160	22	20, 000	15, 840
3	Arkansas	272	2, 537	114	1, 186	99	357	18, 497	607	477, 151	67, 252
4	California	115	3, 406	77	1, 874	59	311	51, 794	696	2, 590, 400	384, 993
5	Colorado	20	117	6	531	17	48	4, 735	54	185, 700	34, 550
6	Connecticut	276	420	8	6, 251	212	573	32, 878	562	1, 165, 358	128, 353
7	Dakota	2	.....	.....	51	4	5	460	5	13, 000	2, 450
8	Delaware	103	302	11	1, 923	108	248	13, 088	277	777, 554	60, 874
9	District of Columbia	9	.....	.....	1, 010	11	48	6, 280	76	655, 000	34, 310
10	Florida	138	578	46	361	64	162	6, 532	247	119, 075	23, 751
11	Georgia	1, 097	2, 246	104	17, 887	1, 227	1, 776	82, 333	2, 356	3, 103, 918	337, 864
12	Idaho	3	.....	.....	85	6	4	256	10	72, 000	6, 800
13	Illinois	941	28, 877	726	8, 963	368	2, 420	321, 533	4, 457	14, 826, 562	1, 881, 475
14	Indiana	962	16, 676	524	13, 667	630	2, 381	194, 336	3, 214	8, 515, 627	896, 717
15	Iowa	502	7, 236	195	10, 172	542	1, 137	121, 666	1, 867	5, 705, 758	605, 865
16	Kansas	106	1, 880	62	1, 172	39	213	21, 152	413	1, 056, 800	171, 910
17	Kentucky	696	9, 019	314	5, 197	321	1, 166	82, 560	1, 686	2, 660, 968	325, 247
18	Louisiana	248	1, 133	31	109	16	254	11, 840	526	270, 781	31, 157
19	Maine	265	200	6	8, 191	395	635	40, 587	559	944, 350	115, 308
20	Maryland	518	892	30	9, 815	511	1, 129	50, 263	1, 101	2, 799, 700	178, 733
21	Massachusetts	316	1, 810	32	9, 013	399	522	70, 224	855	2, 171, 314	271, 248
22	Michigan	516	6, 274	156	18, 036	719	1, 366	152, 112	1, 938	6, 962, 675	646, 504
23	Minnesota	216	1, 087	38	7, 694	281	507	61, 314	790	2, 900, 915	293, 081
24	Mississippi	363	2, 751	133	1, 872	166	462	26, 376	710	636, 813	85, 681
25	Missouri	804	16, 471	478	4, 344	257	1, 529	154, 591	3, 160	8, 913, 842	1, 105, 980
26	Montana	8	.....	.....	203	8	14	830	26	122, 000	25, 100
27	Nebraska	60	616	19	1, 088	49	110	10, 016	183	591, 900	72, 016
28	Nevada	7	70	4	55	3	13	1, 062	18	47, 200	4, 350
29	New Hampshire	195	320	7	6, 853	389	454	25, 221	388	669, 340	74, 914
30	New Jersey	486	1, 520	27	11, 108	524	1, 312	75, 734	1, 310	4, 466, 400	346, 288
31	New Mexico	36	47	4	420	30	45	2, 574	80	222, 550	34, 111
32	New York	1, 610	6, 338	129	57, 923	2, 329	4, 668	386, 519	5, 193	20, 956, 820	1, 687, 234
33	North Carolina	1, 415	1, 599	74	18, 739	1, 351	2, 288	83, 791	2, 660	2, 584, 520	244, 813
34	Ohio	1, 396	18, 834	588	26, 564	1, 181	3, 567	231, 490	3, 932	11, 334, 952	935, 724
35	Oregon	64	216	6	2, 108	64	139	13, 562	165	1, 116, 825	90, 431
36	Pennsylvania	2, 985	13, 733	572	60, 192	3, 280	8, 019	343, 495	6, 427	20, 393, 620	1, 278, 146
37	Rhode Island	66	253	12	1, 199	51	95	7, 823	143	183, 430	29, 006
38	South Carolina	624	1, 242	79	7, 209	537	963	36, 116	1, 138	835, 814	109, 386
39	Tennessee	1, 058	4, 641	184	12, 150	885	1, 762	90, 394	2, 218	2, 891, 424	322, 333
40	Texas	533	4, 686	230	1, 219	85	696	35, 065	1, 123	1, 066, 893	136, 353
41	Utah	74	.....	.....	990	77	108	7, 009	130	430, 408	44, 030
42	Vermont	220	336	9	8, 386	436	600	41, 139	500	1, 231, 050	103, 284
43	Virginia	1, 556	739	35	29, 546	1, 644	2, 749	121, 751	2, 592	5, 324, 846	346, 888
44	Washington	20	45	2	560	19	28	1, 539	37	188, 300	15, 270
45	West Virginia	476	2, 071	92	6, 719	436	828	34, 493	770	1, 539, 257	94, 618
46	Wisconsin	581	4, 939	89	18, 275	669	1, 412	149, 230	2, 031	6, 574, 650	668, 847

The construction of the above table is wholly peculiar, as respects the relation between materials and products. This peculiarity of form is due to the desire of the Superintendent to exhibit the flouring interest proper of the country distinct from the custom-work of the ordinary "grist-mill." In reading this table it needs to be borne in mind that while the amount of grain specified under the head of materials embraces all that was ground for individual owners, as well as what was ground on the venture of the proprietors of mills, the amounts of flour, meal, &c., enumerated in the product only embrace the production of flouring as distinguished from grist mills. The difference between the amount of grain (of the several kinds) which would be required to produce the amounts of the several kinds of flour, meal, &c., specified in the product, and the total amount of grain actually reported under the head of materials, yields the quantity ground for individual owners. The statements respectively of the total value of materials and of the total value of the product include *all* grain ground, whether as custom-work or on personal venture, and, again, all flour, meal, &c., produced, whether for individual owners or otherwise. The table has been annotated according to this statement, but it has been apprehended that in a hasty use of the figures the caution conveyed by the notes might be overlooked. To repeat: The amount of grain specified under the head of materials includes all the work of all the grist and flouring mills returned in the census, and the value given is the value of all the materials consumed.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

FLOURING AND GRIST MILL PRODUCTS.

MATERIALS.				PRODUCTS.						
Grain.		Mill supplies.	All materials.	Buckwheat-flour.*	Rye-flour.*	Wheat-flour.*	Corn-meal.*	Feed.*	All products.	
Bushels.	*Dollars.*	*Dollars.*	*Dollars.*	*Cwt.*	*Bbls.*	*Barrels.*	*Bushels.*	*Cwt.*	*Dollars.*	
366, 548, 969	362, 314, 526	5, 077, 596	367, 392, 122	404, 461	444, 251	32, 079, 144	31, 193, 962	20, 407, 465	444, 985, 143	
3, 298, 848	3, 985, 523	3, 918	3, 989, 341	.....	.....	36, 780	630, 289	27, 994	4, 827, 470	1
28, 000	48, 100	.....	48, 100	.....	.....	4, 726	600	3, 400	75, 000	2
1, 393, 617	1, 380, 153	2, 130	1, 382, 283	.....	.....	14, 064	61, 115	8, 751	1, 670, 416	3
8, 127, 131	7, 090, 541	314, 410	7, 404, 951	152	1, 429	1, 193, 288	119, 094	1, 344, 710	9, 036, 386	4
344, 787	439, 706	1, 210	440, 916	.....	.....	52, 670	14, 425	28, 409	616, 856	5
3, 231, 717	3, 348, 444	4, 520	3, 352, 964	3, 447	9, 588	50, 850	1, 189, 872	204, 829	3, 966, 328	6
75, 000	60, 600	.....	60, 600	.....	.....	7, 800	500	6, 360	80, 990	7
1, 600, 682	1, 739, 662	7, 188	1, 746, 850	.....	110	136, 110	413, 290	93, 109	2, 067, 401	8
903, 522	1, 286, 100	.....	1, 286, 100	.....	733	191, 982	47, 378	106, 471	1, 543, 576	9
396, 458	410, 266	1, 591	411, 857	.....	.....	12	16, 670	300	508, 388	10
7, 173, 693	9, 163, 040	26, 538	9, 189, 578	.....	10	228, 035	933, 994	107, 956	11, 203, 029	11
84, 200	162, 500	.....	162, 500	.....	.....	14, 000	4, 200	13, 682	211, 010	12
38, 178, 736	34, 489, 217	941, 499	35, 430, 716	5, 663	46, 756	5, 131, 587	2, 119, 642	3, 232, 039	43, 876, 775	13
21, 425, 856	20, 144, 958	457, 273	20, 602, 231	7, 475	3, 621	2, 455, 639	1, 145, 446	1, 481, 494	25, 371, 322	14
17, 623, 604	11, 760, 989	200, 455	11, 961, 444	10, 360	9, 702	1, 342, 912	586, 235	853, 468	15, 635, 345	15
2, 667, 331	2, 244, 384	14, 574	2, 258, 958	540	4, 754	255, 477	296, 160	141, 865	2, 938, 215	16
7, 231, 617	6, 327, 734	101, 500	6, 429, 234	.....	3, 165	465, 698	772, 804	278, 607	7, 886, 734	17
578, 103	602, 052	5, 812	607, 864	.....	.....	.....	425, 843	.....	726, 287	18
3, 419, 233	3, 833, 080	4, 290	3, 837, 370	960	640	78, 241	1, 263, 686	70, 814	4, 415, 998	19
5, 131, 288	5, 794, 475	33, 996	5, 828, 471	9, 331	6, 542	500, 324	203, 781	315, 531	6, 786, 459	20
7, 804, 878	8, 743, 924	25, 002	8, 768, 926	7, 135	55, 168	132, 359	4, 539, 527	343, 360	9, 720, 374	21
16, 891, 910	17, 658, 718	262, 777	17, 921, 495	10, 950	3, 759	963, 101	610, 103	1, 508, 180	21, 174, 247	22
8, 226, 852	6, 070, 540	19, 466	6, 090, 006	1, 453	525	895, 410	52, 749	451, 306	7, 534, 575	23
1, 585, 704	1, 708, 157	8, 133	1, 716, 290	.....	.....	4, 870	149, 269	16, 489	2, 053, 587	24
24, 255, 846	23, 693, 114	1, 198, 104	24, 891, 218	1, 410	4, 097	3, 182, 309	2, 389, 692	2, 688, 227	31, 837, 352	25
200, 630	366, 070	220	366, 290	.....	500	26, 693	50	6, 687	480, 859	26
1, 507, 843	1, 057, 267	52, 232	1, 109, 499	1, 694	165	150, 513	25, 260	94, 204	1, 516, 150	27
73, 550	80, 100	.....	80, 100	.....	.....	8, 056	2, 420	7, 606	97, 920	28
2, 113, 762	2, 495, 209	845	2, 496, 054	60	400	16, 540	528, 670	31, 540	2, 747, 973	29
10, 276, 682	10, 627, 486	7, 156	10, 634, 642	36, 163	33, 355	500, 905	1, 634, 829	1, 204, 628	12, 593, 148	30
358, 810	437, 131	4, 396	441, 527	.....	.....	42, 122	27, 015	35, 786	725, 292	31
45, 663, 123	50, 329, 077	277, 327	50, 606, 404	185, 440	133, 273	4, 235, 144	4, 207, 375	5, 032, 298	60, 237, 220	32
5, 522, 936	6, 430, 058	5, 052	6, 435, 110	160	396	55, 584	430, 229	58, 045	7, 583, 133	33
25, 541, 270	26, 095, 838	402, 939	26, 498, 777	15, 710	17, 115	3, 073, 473	1, 107, 661	2, 895, 727	31, 692, 210	34
1, 849, 623	1, 274, 286	8, 201	1, 282, 487	3	15	325, 496	6, 595	195, 007	1, 972, 444	35
40, 755, 503	41, 644, 132	119, 123	41, 763, 255	71, 691	78, 028	2, 518, 495	1, 710, 768	3, 680, 253	49, 476, 246	36
1, 288, 398	1, 486, 558	33, 269	1, 519, 827	.....	167	65, 240	626, 314	44, 537	1, 728, 704	37
2, 003, 513	2, 658, 071	5, 352	2, 663, 423	.....	187	22, 699	179, 014	13, 587	3, 180, 247	38
9, 385, 700	8, 684, 899	108, 162	8, 793, 061	74	175	443, 611	841, 736	388, 688	10, 767, 388	39
2, 236, 034	1, 858, 079	17, 226	1, 875, 305	.....	85	11, 305	152, 824	5, 975	2, 421, 047	40
517, 288	582, 955	.....	582, 955	.....	.....	10, 482	1, 600	14, 022	782, 846	41
3, 060, 427	3, 323, 504	9, 940	3, 333, 444	6, 733	4, 223	80, 257	535, 902	68, 425	3, 895, 058	42
9, 945, 828	10, 469, 199	35, 453	10, 504, 652	787	2, 197	583, 325	833, 557	307, 492	12, 649, 276	43
287, 957	214, 038	3, 040	217, 078	8	.....	47, 014	4, 315	22, 654	321, 103	44
3, 084, 525	3, 291, 356	1, 234	3, 292, 590	5, 990	5, 157	241, 208	145, 966	47, 108	3, 933, 902	45
19, 196, 354	16, 723, 236	352, 143	17, 075, 379	21, 066	18, 214	2, 282, 745	205, 498	1, 925, 845	20, 419, 877	46

NOTE.—In addition to the above products, California produced 243,700 bushels barley-meal; Maine, 14,282; Michigan, 3,375; New Jersey, 16,000; New York, 22,795; Ohio, 36,220; Utah, 400; Wisconsin, 9,000. Of hominy, Florida produced 3,000 bushels; Indiana, 41,250; Maryland, 28,110; New Jersey, 90,000; New York, 326,400; North Carolina, 31,200; Ohio, 40,790.

* Excluding flour, meal, &c., from grain ground for individual owners.

On the other hand, the amounts of the several kinds of flour, meal, &c., specified in the product only embrace the production of mills grinding for market; but the value given in the product covers the production of both classes of establishments. No such distinction as the above was attempted in the publications of the census of 1860, and the values given, both for materials and products, therefore, embrace both classes of establishments. The fact that in a few States and Territories the number of mills exceeds the aggregate number of steam-engines and water-wheels returned, is due, firstly, to the use of wind-mills in some sections and the employment of horses for power in others; and, secondly, to the fact that in some of the Southern States a cane-mill and a grist-mill frequently take their power from the same wheel. The latter is very generally the case in Louisiana. In South Carolina 22 flour-mills are returned as operated by horse-power; in Texas, 50 mills are returned as driven by horses, 17 by oxen, and 5 by wind. In addition to the products specified in the table, New York is returned as producing 11,550 bushels oat-meal, New Jersey 100,000 bushels, Vermont 8,500 bushels, Wisconsin 2,400 bushels.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

HOSIERY.

	States.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	MACHINES. Sets cards.	MACHINES. Knitting-looms.	MACHINES. Knitting-machines.	MACHINES. Sewing-machines.	MACHINES. Spindles.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.
	The United States	248	2,223	81	4,275	124	519	438	5,625	1,668	148,385	14,788	4,252	7,991	2,545
1	Connecticut	14	367	7	193	12	70	9	436	293	18,050	1,333	364	751	218
2	Illinois	3	.....	....	.....	....	1	....	19	1	12	27	4	21	2
3	Indiana	5	.....	....	.....	....	....	....	9	1	.....	26	7	18	1
4	Iowa	2	.....	....	.....	....	....	....	.....	.....	.....	6	3	3	.....
5	Maryland	1	.....	....	.....	....	....	....	2	.....	.....	3	2	1	.....
6	Massachusetts	32	408	13	718	18	79	180	1,116	312	19,331	2,415	844	1,404	167
7	Minnesota	1	.....	....	.....	....	....	1	.....	.....	.....	1	1	.....	.....
8	Missouri	7	.....	....	.....	....	....	....	33	.....	.....	61	19	41	1
9	New Hampshire	28	12	1	868	31	58	20	832	102	17,175	1,081	344	624	113
10	New Jersey	4	235	2	75	2	13	147	11	138	6,480	722	136	271	315
11	New York	60	376	14	2,220	52	230	20	746	620	49,441	3,741	1,061	1,899	781
12	Ohio	5	.....	....	.....	....	....	10	7	.....	.....	22	10	6	.....
13	Pennsylvania	76	825	44	.....	....	39	40	2,332	148	9,706	4,899	1,325	2,672	902
14	Rhode Island	3	.....	....	42	2	6	5	33	.....	1,800	120	37	64	19
15	Vermont	7	.....	....	159	7	23	....	49	53	26,300	331	89	216	26

INDIA-RUBBER AND ELASTIC GOODS.

	States.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	MACHINES. Looms.	MACHINES. Spindles.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.
	The United States	56	4,412	49	1,864	35	*No.* 663	*No.* 4,100	6,025	3,030	2,649	346
1	Connecticut	13	1,183	11	981	16	294	4,100	1,946	986	931	35
2	Maine	1	.....	....	.....	....	.....	.....	9	1	6	2
3	Massachusetts	16	698	10	255	6	369	.....	1,405	492	818	95
4	Missouri	1	.....	....	.....	....	.....	.....	4	2	2	.....
5	New Jersey	12	936	13	80	6	.....	.....	807	456	287	64
6	New York	10	845	9	548	7	.....	.....	1,008	643	330	35
7	Pennsylvania	1	.....	....	.....	....	.....	.....	1	1	.....	.....
8	Rhode Island	2	750	6	.....	....	.....	.....	845	455	275	115

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

HOSIERY.

Capital.	Wages.	MATERIALS. Cotton.	Cotton yarn.	Domestic wool.	Foreign wool.	Shoddy.	Woolen yarn.	All other materials.	All materials.	
Dollars.	*Dollars.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	
10, 931, 260	4, 429, 085	11, 463, 503	2, 188, 722	5, 304, 655	292, 300	189, 857	2, 229, 777	1, 110, 992	9, 835, 823	
1, 159, 700	431, 089	791, 675	31, 250	362, 704	76, 000	10, 000	66, 063	126, 015	625, 391	1
1, 800	1, 800	.....	100	600	.....	.....	5, 100	.....	5, 775	2
4, 050	540	.....	.....	.....	.....	.....	2, 575	325	2, 842	3
5, 200	1, 200	.....	600	.....	.....	.....	300	350	1, 510	4
150	.....	.....	500	.....	.....	.....	500	.....	780	5
1, 570, 500	848, 864	1, 350, 100	499, 894	879, 900	25, 000	.....	249, 356	151, 917	1, 515, 326	6
150	.....	.....	.....	.....	.....	.....	200	.....	200	7
15, 700	15, 600	.....	15, 600	.....	.....	.....	24, 400	2, 350	27, 040	8
855, 400	405, 003	905, 500	40, 735	840, 250	40, 500	.....	.....	143, 863	881, 646	9
575, 500	193, 200	214, 200	2, 500	230, 000	.....	.....	1, 000	40, 570	188, 030	10
3, 318, 700	1, 122, 290	7, 019, 839	100, 000	2, 018, 022	150, 800	179, 857	50, 500	524, 420	3, 391, 840	11
9, 400	5, 250	.....	.....	.....	.....	.....	10, 600	.....	10, 360	12
2, 979, 000	1, 280, 270	797, 400	1, 467, 543	713, 800	.....	.....	1, 819, 183	87, 208	2, 925, 323	13
133, 000	33, 200	.....	30, 000	113, 000	.....	.....	.....	6, 341	68, 541	14
303, 000	90, 179	384, 789	.....	146, 289	.....	.....	.....	27, 633	191, 219	15

INDIA-RUBBER AND ELASTIC GOODS.

Capital.	Wages.	MATERIALS. Cloth.	Cotton.	Rubber.	Silk.	Yarn.	All other materials.	All materials.	
Dollars.	*Dollars.*	*Yards.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	
7, 486, 600	2, 559, 877	2, 934, 575	2, 391, 451	8, 433, 320	2, 990	294, 418	1, 003, 793	7, 434, 742	
2, 345, 000	761, 434	325, 500	2, 201, 950	2, 473, 902	.....	39, 000	592, 889	2, 355, 488	1
4, 000	2, 200	.....	.....	.....	.....	.....	20, 425	20, 425	2
1, 920, 600	580, 723	372, 300	126, 501	1, 038, 393	1, 490	255, 418	160, 739	1, 554, 006	3
2, 000	800	.....	.....	.....	.....	.....	1, 500	1, 500	4
1, 034, 200	346, 638	761, 377	2, 000	1, 260, 795	.....	.....	142, 054	1, 284, 967	5
1, 777, 000	429, 500	951, 490	61, 000	2, 745, 470	1, 500	.....	58, 096	1, 316, 803	6
800	.....	.....	.....	.....	.....	.....	500	500	7
403. 000	378, 582	523, 908	.....	894, 760	.....	.....	127, 590	901, 053	8

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

HOSIERY—Concluded.

	States.	PRODUCTS.									
		Cotton hose and half hose.	Shirts, drawers, and jackets.	Gloves and mittens.	Opera hoods and scarfs.	Shawls.	Stockinet.	Woolen and mixed hose and half hose.	All other products.	All products.	
		Doz. pairs.	*Dozen.*	*Pairs.*	*Dozen.*	*Dozen*	*Yards.*	*Doz. p'rs.*	*Dolls.*	*Dollars.*	
	The United States	1,299,342	1,132,189	206,800	426,749	14,947	289,372	2,970,170	369,784	18,411,564	
1	Connecticut	.....	102,461	.....	.....	.....	111,562	62,253	5,700	1,251,742	1
2	Illinois	.....	.....	.....	.....	.....	.....	1,800	.....	8,800	2
3	Indiana	.....	18	500	.....	.....	.....	1,118	750	5,450	3
4	Iowa	.....	.....	.....	.....	.....	.....	80	2,327	2,887	4
5	Maryland	.....	.....	.....	.....	.....	.....	333	.....	1,000	5
6	Massachusetts	387,985	77,751	140,400	.....	.....	148,210	586,287	225,336	3,213,481	6
7	Minnesota	.....	.....	.....	.....	.....	.....	50	.....	500	7
8	Missouri	.....	1,120	.....	.....	.....	.....	27,165	2,350	54,650	8
9	New Hampshire	185,760	4,250	1,500	.....	.....	.....	617,700	770	1,757,445	9
10	New Jersey	20,000	42,500	.....	.....	.....	.....	22,500	.....	568,900	10
11	New York	.....	794,213	6,000	700	.....	.....	170,427	30,150	5,528,742	11
12	Ohio	.....	.....	.....	.....	.....	.....	17,800	.....	23,100	12
13	Pennsylvania	705,597	49,876	58,400	418,340	13,167	100	1,459,536	87,401	5,306,738	13
14	Rhode Island	.....	500	.....	7,700	1,780	29,500	.....	15,000	137,000	14
15	Vermont	.....	59,500	.....	.....	.....	.....	3,121	.....	551,129	15

INDIA-RUBBER AND ELASTIC GOODS—Concluded.

	States.	PRODUCTS.									
		Belting and hose.	Boots and shoes.	Car-springs.	Coats.	Fabrics.	Packing.	Suspenders.	All other products.	All products.	
		Pounds.	*Pairs.*	*Pounds.*	*No.*	*Yards.*	*Lbs.*	*Dozen.*	*Dollars.*	*Dollars.*	
	The United States	906,000	5,402,666	1,250,000	30,000	1,256,687	91,127	552,500	5,140,691	14,566,374	
1	Connecticut	.....	2,155,120	.....	.....	.....	.....	294,400	1,325,552	4,239,320	1
2	Maine	.....	.....	.....	.....	.....	.....	9,000	.....	31,500	2
3	Massachusetts	.....	1,127,700	.....	.....	692,187	.....	172,600	688,076	3,183,218	3
4	Missouri	.....	.....	.....	.....	.....	.....	1,500	.....	4,500	4
5	New Jersey	.....	1,070,102	.....	30,000	64,500	.....	.....	1,067,538	2,224,839	5
6	New York	906,000	150,000	1,250,000	.....	500,000	91,127	75,000	1,205,091	3,076,720	6
7	Pennsylvania	.....	.....	.....	.....	.....	.....	.....	1,400	1,400	7
8	Rhode Island	.....	899,744	.....	.....	.....	.....	.....	853,124	1,804,868	8

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

IRON BLOOMS.

States.	Establishments.	STEAM-ENGINES.		WATER-WHEELS.		HANDS EMPLOYED.			
		Horse-power.	Number.	Horse-power.	Number.	All.	Males above 16.	Females above 15.	Youth.
The United States	82	2,710	31	3,174	84	2,902	2,819	2	81
Kentucky	1	80	2			50	50		
Massachusetts	1			40	3	7	7		
Mississippi	1			10	1	5	5		
Missouri	1			33	2	132	132		
New Jersey	1					6	6		
New York	22	245	5	1,380	32	1,020	998		22
North Carolina	2	80	1	20	1	15	15		
Ohio	1	50	1			18	18		
Pennsylvania	43	2,145	21	1,563	36	1,473	1,422	2	49
South Carolina	2			22	1	9	9		
Tennessee	2	60	1	20	1	26	26		
Virginia	5	50		86	7	141	131		10

IRON BLOOMS—Continued.

States.	Capital.	Wages.	MATERIALS.					
			Iron-ore.		Pig-iron.		Scrap-iron.	
	Dollars.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*
The United States	4,506,733	1,195,964	45,168	382,533	100,881	3,795,050	14,695	488,950
Kentucky	100,000	37,500			900	32,200	300	12,000
Massachusetts	6,000	3,000					300	9,600
Mississippi	5,000	750			65	1,500		
Missouri	44,000	38,250			1,600	64,000		
New Jersey	15,000	2,500			400	16,500		
New York	1,614,883	358,135	35,544	274,092	12,859	499,150	11,000	330,000
North Carolina	36,000	2,800	558	2,326				
Ohio	10,000	8,500			1,050	37,750		
Pennsylvania	2,446,600	707,589	9,036	105,950	80,725	3,012,610	3,095	137,350
South Carolina	12,000	1,100			147	5,880		
Tennessee	91,750	1,700	30	165	240	10,000		
Virginia	125,500	34,140			2,895	115,460		

IRON BLOOMS—Continued.

States.	MATERIALS—Continued.						PRODUCTS.	
	Charcoal.		Coal.		All other materials.	All materials.	Blooms.	All products.
	Bushels.	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Dollars.*	*Tons.*	*Dollars.*
The United States	6,898,447	602,689	143,496	379,904	36,340	5,685,466	110,808	7,647,054
Kentucky	27,000	2,000	1,500	7,000	500	53,700	1,054	94,860
Massachusetts	15,000	1,500			100	11,200	250	17,000
Mississippi			10	80		1,580	60	3,000
Missouri			3,937	22,750	1,250	88,000	1,500	140,000
New Jersey	50,000	5,800				22,300	300	25,000
New York	4,427,918	392,387	32,463	113,955	16,680	1,626,264	36,016	2,171,166
North Carolina	78,500	3,325			1,050	6,701	150	11,822
Ohio	70,000	4,900	500	1,000	100	43,750	700	56,000
Pennsylvania	1,998,308	176,841	105,000	234,429	16,120	3,683,300	68,238	4,881,431
South Carolina	23,400	1,150				7,030	133	8,475
Tennessee	16,640	1,856			540	12,561	175	15,600
Virginia	191,681	12,930	86	690		129,080	2,232	222,700

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

IRON, ROLLED.

	States.	Establishments.	Steam-engines. Horse-power.	Steam-engines. Number.	Water-wheels. Horse-power.	Water-wheels. Number.	All hands.	Capital.	Wages.	Materials. Pig-iron. Tons.	Materials. Pig-iron. Dollars.
								Dollars.	*Dollars.*	*Tons.*	*Dollars.*
	The United States	310	80,958	744	8,126	162	44,662	54,774,615	25,192,635	1,123,707	38,706,503
1	Alabama	1	500	3	.....	....	14	3,000	1,800	350	14,000
2	California	2	225	3	.....	....	129	381,470	78,511	.....	.....
3	Connecticut	5	683	6	50	6	235	245,000	149,751	50	2,000
4	Delaware	4	660	11	65	1	275	512,200	157,000	6,600	217,500
5	Georgia	2	470	5	.....	....	225	195,800	163,766	10,550	374,750
6	Illinois	6	3,675	22	.....	....	1,582	2,245,000	984,082	15,618	577,934
7	Indiana	8	3,215	41	.....	....	977	1,576,000	521,672	22,326	809,162
8	Kentucky	6	1,450	24	.....	....	876	1,125,000	582,283	20,534	730,454
9	Maine	3	680	8	120	4	438	520,000	262,958	10,314	375,704
10	Maryland	7	1,332	23	460	15	1,444	983,000	709,022	27,645	891,995
11	Massachusetts	19	4,910	38	615	25	2,274	2,378,000	1,140,475	57,303	2,318,482
12	Michigan	1	1,000	10	.....	....	433	672,000	221,764	.....	.....
13	Missouri	2	656	7	.....	....	401	1,097,143	330,000	17,000	680,000
14	New Jersey	12	2,220	28	790	10	1,670	1,813,097	1,040,510	34,041	1,145,532
15	New York	27	6,781	41	3,047	28	4,653	5,008,400	2,362,890	86,088	3,153,432
16	North Carolina	10	.....	....	183	7	45	15,700	5,844	186	7,109
17	Ohio	29	11,066	97	60	1	4,431	6,100,409	2,644,985	137,330	4,883,699
18	Pennsylvania	120	35,423	354	1,082	24	21,221	27,177,986	11,880,450	584,106	19,173,893
19	Rhode Island	3	425	5	.....	....	138	410,000	93,500	4,350	159,250
20	South Carolina	2	.....	....	28	2	15	20,000	2,500	165	10,475
21	Tennessee	18	370	3	565	17	337	253,750	130,882	2,900	79,000
22	Vermont	1	.....	....	100	1	13	35,000	7,000	.....	.....
23	Virginia	12	.....	....	661	21	696	810,200	320,025	16,130	551,550
24	West Virginia	9	4,155	15	.....	....	1,498	1,185,800	1,016,987	62,572	2,195,779
25	Wisconsin	1	100	....	.....	....	642	100,000	374,078	7,549	354,803

IRON, FORGED.

	States.	Establishments.	Steam-engines. Horse-power.	Steam-engines. Number.	Water-wheels. Horse-power.	Water-wheels. Number.	Hands employed. All.	Hands employed. Males above 16.	Hands employed. Females above 15.	Hands employed. Youth.	Capital.	Wages.
											Dollars.	*Dollars.*
	The United States	104	4,587	85	1,461	51	3,588	3,437	.....	151	4,620,959	1,975,776
1	Connecticut	11	380	5	269	9	399	395	.....	4	310,000	180,870
2	Delaware	2	17	2	.....	....	30	20	.....	10	32,000	11,000
3	Georgia	1	75	2	.....	....	25	20	.....	5	20,000	7,000
4	Illinois	3	76	2	.....	....	217	207	.....	10	170,000	90,000
5	Indiana	1	35	1	.....	....	12	10	.....	2	12,000	7,530
6	Maine	3	106	2	40	1	54	54	.....	.....	65,000	27,400
7	Massachusetts	14	563	14	240	18	357	352	.....	5	449,125	201,042
8	Michigan	2	140	2	.....	....	32	31	.....	1	52,400	17,400
9	Missouri	1	16	1	.....	....	20	20	.....	.....	20,000	21,000
10	New Hampshire	2	315	5	10	1	111	111	.....	.....	131,000	57,400
11	New Jersey	9	345	8	27	2	362	321	.....	41	310,000	209,420
12	New York	23	960	15	280	9	902	871	.....	31	1,197,300	501,257
13	Ohio	11	160	5	40	2	342	335	.....	7	561,350	197,415
14	Pennsylvania	19	995	16	555	9	692	672	.....	20	1,115,784	381,533
15	Rhode Island	2	404	5	.....	....	123	108	.....	15	175,000	65,500

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

IRON, ROLLED.

MATERIALS—Continued.										
Scrap-iron.		Blooms.		Ore.*		Coal.		All other materials.	All materials.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Dollars.*	
443, 188	19, 254, 180	132, 912	8, 465, 662	145, 689	976, 835	2, 628, 415	9, 629, 306	1, 359, 360	79, 176, 646	
.....	.....	.....	.....	.....	.....	300	900	.....	14, 900	1
3, 966	156, 665	.....	.....	.....	.....	4, 174	41, 740	3, 515	201, 920	2
9, 200	292, 900	.....	.....	.....	.....	9, 060	77, 650	5, 000	377, 550	3
4, 160	158, 822	198	17, 907	1, 100	11, 550	13, 900	81, 800	12, 135	499, 714	4
300	9, 000	.....	.....	.....	.....	26, 191	134, 300	.....	518, 050	5
10, 619	430, 377	5, 954	260, 000	5, 000	40, 000	110, 689	510, 917	.....	1, 819, 228	6
19, 730	888, 550	.....	.....	.....	.....	61, 810	206, 223	64, 583	1, 968, 518	7
7, 686	285, 406	3, 058	165, 588	.....	.....	43, 104	161, 118	24, 498	1, 367, 064	8
12, 448	468, 767	.....	.....	.....	.....	20, 328	159, 211	22, 708	1, 026, 390	9
·124	3, 100	1, 835	143, 490	.....	.....	53, 660	260, 700	10, 030	1, 309, 315	10
23, 456	929, 452	2, 390	231, 594	3, 850	46, 780	87, 201	613, 472	97, 963	4, 237, 743	11
6, 700	201, 000	1, 550	77, 500	.....	.....	10, 000	72, 500	30, 000	381, 000	12
.....	.....	.....	.....	.....	.....	38, 928	101, 750	45, 000	826, 750	13
25, 486	1, 146, 484	2, 492	159, 783	15, 595	48, 872	78, 980	455, 957	92, 789	3, 049, 417	14
78, 371	3, 497, 031	17, 895	972, 400	31, 292	214, 944	199, 481	970, 290	118, 910	9, 714, 807	15
.....	.....	100	8, 322	.....	.....	620	2, 920	60	18, 411	16
37, 621	1, 761, 091	992	43, 750	21, 747	116, 189	309, 262	998, 414	213, 447	8, 016, 590	17
174, 243	8, 092, 085	96, 433	6, 384, 128	58, 773	487, 732	1, 384, 110	4, 261, 597	497, 336	38, 896, 771	18
1, 400	49, 000	.....	.....	.....	.....	6, 713	46, 834	32, 352	284, 436	19
.....	.....	.....	.....	.....	.....	160	1, 500	.....	11, 975	20
2, 830	18, 755	15	1, 200	8, 332	10, 768	5, 286	29, 973	.....	139, 696	21
340	14, 000	.....	.....	.....	.....	500	4, 500	1, 250	19, 750	22
15, 001	614, 020	.....	.....	.....	.....	30, 305	130, 443	2, 562	1, 298, 575	23
.....	.....	.....	.....	.....	.....	107, 687	143, 645	85, 222	2, 424, 646	24
9, 507	237, 675	.....	.....	.....	.....	25, 960	160, 952	.....	753, 430	25

* Also puddled bar, New York, 17,480 tons, valued at $787,800.

IRON, FORGED.

MATERIALS.												
Blooms.		Coal.		Pig-iron.		Scrap-iron.		Wrought iron.		Other materials.	All materials.	
Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Dollars.*	*Dollars.*	
2, 376	601, 852	82, 214	457, 571	93, 350	657, 696	19, 651	778, 844	23, 172	1, 765, 029	750, 454	5, 011, 446	
1, 453	177, 744	3, 612	30, 652	500	20, 000	1, 386	53, 875	.....	.....	39, 848	322, 119	1
.....	.....	260	1, 900	40	1, 396	.....	.....	233	21, 300	2, 520	27, 116	2
.....	.....	500	3, 000	.....	.....	.....	.....	309	20, 000	.....	23, 000	3
.....	.....	2, 112	9, 124	.....	.....	1, 080	32, 400	850	64, 770	3, 900	110, 194	4
.....	.....	1, 000	4, 000	.....	.....	316	12, 000	.....	.....	150	16, 150	5
.....	.....	730	6, 300	1, 270	43, 800	.....	.....	50	3, 750	2, 950	56, 800	6
762	46, 298	8, 681	68, 150	250	11, 700	4, 125	162, 375	250	22, 000	33, 390	343, 913	7
.....	.....	2, 260	14, 000	150	6, 000	1, 100	44, 000	.....	.....	1, 000	65, 000	8
225	15, 750	1, 800	6, 000	.....	.....	.....	.....	.....	.....	4, 000	25, 750	9
.....	.....	3, 030	24, 260	40	1, 600	1, 700	69, 000	.....	.....	207, 000	301, 860	10
.....	.....	7, 900	56, 050	.....	.....	4, 893	196, 200	1, 444	112, 300	16, 383	380, 933	11
.....	.....	14, 253	100, 877	1, 400	47, 900	2, 735	107, 000	18, 380	1, 397, 500	201, 153	1, 854, 430	12
4, 190	207, 900	7, 180	29, 375	50	1, 800	520	20, 800	.....	.....	186, 920	446, 795	13
1, 446	127, 160	24, 456	73, 883	85, 650	363, 500	1, 796	81, 194	1, 656	123, 409	30, 240	799, 386	14
300	27, 000	4, 500	30, 000	4, 000	160, 000	.....	.....	.....	.....	21, 000	238, 000	15

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

IRON, ROLLED—Concluded.

	States.	PRODUCTS.										
		Bar.	Plate.	Sheet.	Puddled, bar.	Rails.	Skelp-iron.	Rolled car-axles.	Rod-iron.	All other products.	All products.	
		Tons.	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*No.*	*Tons.*	*Dollars.*	*Dollars.*	
	The United States	488, 834	309, 995	74, 753	33, 631	531, 605	2, 217	34, 821	26, 087	4, 000, 659	120, 311, 158	
1	Alabama	300	.....	.....	.....	.....	.....	.....	.....	.....	33, 000	1
2	California	3, 000	.....	.....	.....	.....	.....	.....	.....	.....	370, 000	2
3	Connecticut	4, 725	.....	.....	.....	.....	.....	.....	2, 725	.....	595, 000	3
4	Delaware	6, 200	1, 407	500	.....	.....	.....	.....	200	.....	776, 000	4
5	Georgia	8, 105	309	.....	.....	.....	.....	.....	.....	.....	824, 460	5
6	Illinois	750	7, 100	300	.....	17, 611	.....	.....	.....	1, 118, 536	3, 165, 471	6
7	Indiana	10, 870	3, 600	.....	.....	19, 235	.....	.....	.....	227, 020	2, 817, 565	7
8	Kentucky	15, 116	5, 450	1, 947	.....	3, 966	.....	.....	1, 256	40, 000	2, 464, 928	8
9	Maine	4, 192	191	.....	.....	12, 750	.....	.....	5	.....	1, 551, 196	9
10	Maryland	4, 983	4, 947	4, 100	.....	27, 190	.....	.....	.....	9, 000	3, 573, 212	10
11	Massachusetts	21, 325	26, 428	.....	35	15, 000	.....	.....	6, 292	431, 760	6, 080, 307	11
12	Michigan	1, 250	1, 450	150	.....	4, 550	.....	.....	.....	.....	678, 500	12
13	Missouri	3, 500	5, 800	4, 000	.....	.....	.....	.....	.....	220, 000	1, 455, 000	13
14	New Jersey	13, 524	22, 768	1, 482	.....	14, 657	.....	100	2, 176	225, 000	4, 611, 648	14
15	New York	73, 747	4, 563	2, 500	12, 320	79, 701	.....	.....	8, 337	497, 074	14, 130, 225	15
16	North Carolina	229	25, 293	.....	.....	.....	.....	.....	.....	.....	25, 293	16
17	Ohio	68, 718	30, 316	11, 796	.....	30, 552	.....	106	1, 323	278, 140	12, 365, 698	17
18	Pennsylvania	233, 854	113, 847	47, 353	21, 276	281, 445	2, 217	34, 615	.....	204, 189	56, 811, 975	18
19	Rhode Island	1, 965	.....	625	.....	.....	.....	.....	1, 825	.....	403, 500	19
20	South Carolina	100	30	.....	.....	.....	.....	.....	.....	.....	22, 190	20
21	Tennessee	5, 392	50	.....	.....	.....	.....	.....	.....	.....	369, 222	21
22	Vermont	.....	325	.....	.....	.....	.....	.....	.....	.....	31, 500	22
23	Virginia	2, 671	6, 050	.....	.....	8, 700	.....	.....	950	750, 000	1, 994, 146	23
24	West Virginia	4, 318	50, 071	.....	.....	.....	.....	.....	998	.....	4, 025, 620	24
25	Wisconsin	.....	.....	.....	.....	16, 248	.....	.....	.....	.....	1, 129, 562	25

IRON, FORGED—Concluded.

	States.	PRODUCTS.									
		Anchors.	Axles.	Chains.	Horseshoes.	Railroad chairs and clamps.	Railroad screw spikes.	Shafting.	Spikes.	Other products.	All products.
		Tons.	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Dollars.*
	The United States	1, 605	17, 944	3, 449	14, 270	3, 315	600	145	40, 360	21, 600	8, 385, 669
1	Connecticut	320	2, 425	.....	.....	.....	.....	.....	.....	495	641, 146
2	Delaware	.....	232	.....	.....	.....	.....	.....	.....	.....	47, 836
3	Georgia	.....	.....	.....	.....	.....	.....	.....	300	.....	31, 398
4	Illinois	.....	918	.....	.....	.....	.....	.....	.....	.....	285, 275
5	Indiana	.....	140	.....	.....	.....	.....	135	.....	.....	27, 500
6	Maine	385	300	.....	.....	.....	.....	10	10	125	93, 800
7	Massachusetts	496	1, 330	.....	.....	.....	.....	.....	.....	2, 730	689, 600
8	Michigan	.....	800	130	.....	.....	.....	.....	.....	125	102, 250
9	Missouri	104	.....	.....	.....	.....	.....	.....	.....	106	60, 000
10	New Hampshire	.....	33	.....	.....	.....	.....	.....	.....	2, 200	455, 000
11	New Jersey	.....	1, 240	1, 005	.....	.....	.....	.....	.....	3, 612	686, 250
12	New York	360	4, 823	790	11, 000	1, 050	600	.....	.....	6, 230	2, 227, 255
13	Ohio	.....	3, 300	398	.....	.....	.....	.....	.....	800	763, 471
14	Pennsylvania	.....	2, 403	1, 126	.....	2, 265	.....	.....	40, 050	5, 117	1, 324, 896
15	Rhode Island	.....	.....	.....	3, 270	.....	.....	.....	.....	.....	350, 000

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

IRON, PIG.

States.	Establishments.	Blast-furnaces.	Daily capacity in tons of melted metal.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	Hands employed.	CAPITAL. Dollars.	WAGES. Dollars.	MATERIALS. Iron-ore. Tons.	MATERIALS. Iron-ore. Dollars.
The United States	386	574	8,357	58,866	509	5,034	141	27,554	56,145,326	12,475,250	4,303,847	24,745,445
Alabama	3	3	33	240	4	125	2	301	386,000	97,018	11,350	30,175
Connecticut	7	8	70	.....	...	153	7	150	780,000	92,614	42,585	338,127
Georgia	4	5	5	20	1	22	3	49	12,200	11,600	2,362	11,225
Indiana	4	5	105	1,725	8	.....	...	189	425,000	159,400	51,150	426,050
Kentucky	19	29	384	2,370	28	.....	...	1,565	2,979,000	417,948	126,562	670,278
Maryland	14	21	191	736	12	200	7	859	2,005,000	255,941	138,067	758,510
Massachusetts	4	6	64	330	4	130	2	421	700,000	334,541	36,340	190,150
Michigan	17	27	287	1,229	15	95	7	1,625	2,528,000	844,259	119,415	719,596
Mississippi	1	1	8	20	1	.....	...	98	60,000	9,700	800	3,000
Missouri	9	15	252	1,925	15	33	2	1,123	1,914,000	856,780	126,212	586,293
New Jersey	6	12	193	1,100	8	250	2	360	1,405,000	241,611	101,633	583,725
New York	39	81	842	4,510	37	1,191	23	2,121	5,732,116	1,095,450	446,945	2,609,794
North Carolina	11	15	21	35	3	159	10	126	68,675	42,129	3,174	12,461
Ohio	65	84	1,383	10,158	89	.....	...	4,582	7,437,826	2,035,520	558,664	3,763,282
Pennsylvania	136	199	4,076	32,303	352	1,184	46	10,861	26,376,059	5,014,455	2,337,286	13,277,525
South Carolina	2	2	6	.....	...	61	2	15	20,000	3,500	600	2,000
Tennessee	14	23	192	710	11	590	8	1,122	1,103,750	379,384	64,928	178,655
Vermont	2	4	9	.....	...	80	4	33	85,000	9,880	2,500	12,000
Virginia	18	21	82	440	10	551	11	1,036	828,700	271,220	47,168	108,258
West Virginia	5	7	68	220	5	20	1	317	434,000	179,720	36,940	206,850
Wisconsin	6	6	86	795	6	190	4	592	865,000	122,580	49,106	257,491

IRON, PIG—Continued.

States.	MATERIALS—Continued. Anthracite coal. Tons.	Anthracite coal. Dollars.	Charcoal.* Tons.	Charcoal.* Dollars.	All other materials. Dollars.	All materials. Dollars.	PRODUCTS. Pig-iron. Tons.	Pig-iron. Dollars.
The United States	2,233,410	9,992,296	635,519	5,575,833	2,566,834	45,498,017	2,052,824	69,640,498
Alabama	.....	.....	1,579	9,940	.....	40,115	6,250	210,258
Connecticut	.....	.....	23,404	326,800	52,006	716,933	16,855	949,125
Georgia	.....	.....	800	3,880	.....	15,105	1,220	47,212
Indiana	114,438	343,085	.....	.....	56,300	825,435	30,443	1,191,834
Kentucky	40,128	103,774	48,106	344,043	32,439	1,223,034	57,943	2,182,432
Maryland	26,600	193,100	25,430	230,262	102,822	1,286,881	54,204	2,143,089
Massachusetts	4,000	35,000	15,881	206,872	14,801	446,823	16,416	722,225
Michigan	4,872	31,039	93,085	894,411	6,056	1,651,102	79,279	2,911,515
Mississippi	50	480	.....	.....	.....	3,480	450	18,000
Missouri	28,000	300,000	40,627	395,305	61,418	1,375,766	80,090	2,991,618
New Jersey	84,625	444,312	4,400	41,000	56,224	1,125,261	54,652	1,546,965
New York	357,887	2,017,940	41,870	479,027	264,564	5,548,925	223,725	7,922,463
North Carolina	.....	.....	3,197	18,746	123	31,330	1,422	54,160
Ohio	47,593	266,309	175,104	1,479,350	438,815	7,056,405	306,363	10,956,938
Pennsylvania	1,518,127	6,206,414	87,612	599,216	1,366,982	22,638,492	1,033,272	32,636,410
South Carolina	.....	.....	400	1,600	.....	3,600	180	8,200
Tennessee	1,550	5,923	29,751	250,859	4,500	439,937	28,688	1,147,707
Vermont	.....	.....	2,050	24,925	1,350	38,275	1,200	66,000
Virginia	.....	.....	26,916	165,297	100	276,173	17,233	619,820
West Virginia	.....	.....	600	2,400	1,000	243,303	16,950	577,200
Wisconsin	5,540	44,920	14,707	101,000	107,334	511,645	25,986	737,268

* Also *Coke:* Kentucky, 5,060 tons, $32,500; Maryland, 438 tons, $2,187; Pennsylvania, 32,432 tons, $161,960; United States, 43,870 tons, $196,647.

And *Bituminous Coal*, United States, (total,) 843,866 tons, $2,420,962; Kentucky, 16,000 tons, $40,000; Missouri, 8,238 tons, $32,750; New York, 53,986 tons, $177,600; Ohio, 374,770 tons, $1,108,649; Pennsylvania, 363,602 tons, $1,026,395; Virginia, 470 tons, $2,518; West Virginia, 26,700 tons, $93,050.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

IRON, CAST.

	States and Territories.	Establishments.	STEAM-ENGINES		WATER-WHEELS.		MACHINES.		HANDS EMPLOYED.			
			Horse-power.	Number.	Horse-power.	Number.	Cupola-furnaces.	Daily capacity in tons of melted metal.	All.	Males above 16.	Females above 15.	Youth.
	The United States	2,654	31,640	1,593	8,660	434	2,945	9,814	51,305	49,441	48	1,816
1	Alabama	18	200	13	54	3	19	39	140	137	....	3
2	Arkansas	2	18	1	.....	.....	2	2	9	9	....	.....
3	California	31	577	28	.....	.....	42	129	727	686	....	41
4	Colorado	1	15	1	.....	.....	1	2	18	18	....	.....
5	Connecticut	83	1,425	33	559	24	111	468	2,458	2,338	23	97
6	Delaware	18	241	17	10	2	24	111	471	435	....	36
7	District of Columbia	5	53	5	.....	.....	5	9	83	82	....	1
8	Georgia	23	237	15	38	3	28	83	247	238	....	9
9	Idaho	1	7	1	.....	.....	1	1	3	3	....	.....
10	Illinois	118	1,662	73	217	13	131	462	2,157	2,119	....	38
11	Indiana	105	1,131	61	253	7	109	425	1,203	1,182	....	21
12	Iowa	44	342	33	10	1	46	106	272	270	....	2
13	Kansas	5	37	3	.....	.....	7	20	123	114	....	9
14	Kentucky	32	678	27	.....	.....	39	281	1,388	1,321	....	67
15	Louisiana	15	168	13	.....	.....	17	30	385	373	....	12
16	Maine	47	360	21	229	17	49	170	512	509	....	3
17	Maryland	43	447	30	10	.....	45	135	695	686	....	9
18	Massachusetts	119	1,270	75	764	44	162	526	3,714	3,664	1	49
19	Michigan	196	1,522	108	240	19	202	397	1,101	1,088	....	13
20	Minnesota	18	73	11	75	3	19	39	118	118	....	.....
21	Mississippi	15	191	9	.....	.....	16	35	67	65	....	2
22	Missouri	41	1,112	36	9	1	.....	.....	1,977	1,745	....	232
23	Montana	1	20	1	.....	.....	1	1	5	5	....	.....
24	Nebraska	3	81	3	.....	.....	4	11	68	68	....	.....
25	Nevada	5	172	5	.....	.....	7	19	114	114	....	.....
26	New Hampshire	26	191	10	303	14	34	81	506	505	....	1
27	New Jersey	86	1,237	47	1,054	25	97	474	2,089	1,989	9	91
28	New York	485	5,334	258	2,415	119	586	1,932	12,622	12,193	13	416
29	North Carolina	29	178	13	152	7	29	45	143	139	....	4
30	Ohio	268	3,826	157	485	19	285	713	5,060	4,946	....	114
31	Oregon	4	24	3	.....	.....	4	8	39	39	....	.....
32	Pennsylvania	524	6,543	354	939	63	563	2,455	9,639	9,156	2	481
33	Rhode Island	17	443	13	35	2	26	101	927	909	....	18
34	South Carolina	7	57	6	10	1	7	9	85	81	....	4
35	Tennessee	33	330	16	35	4	34	43	316	312	....	4
36	Texas	6	84	5	.....	.....	7	9	30	30	....	.....
37	Vermont	26	134	8	245	15	27	44	244	244	....	.....
38	Virginia	54	245	15	388	19	57	127	541	529	....	12
39	Washington	2	25	2	.....	.....	2	1	5	5	....	.....
40	West Virginia	24	354	18	.....	.....	23	89	285	281	....	4
41	Wisconsin	74	596	40	131	9	77	182	719	696	....	23

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

IRON, CAST.

CAPITAL.	WAGES.	MATERIALS.						
Dollars.	Dollars.	Pig-iron.		Scrap-iron.		Coal.		
		Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	
67,578,961	28,835,914	982,488	37,677,042	144,586	3,869,969	662,941	3,853,669	
177,100	98,622	1,577	73,170	1,075	33,550	2,176	23,921	1
3,500	3,500	30	1,300	100	2,000	80	1,500	2
897,000	434,845	11,506	443,883	716	20,335	6,630	123,850	3
25,000	20,000	.....	.....	350	28,000	400	4,000	4
3,006,650	1,444,345	36,537	1,470,027	2,964	82,015	22,229	173,665	5
592,275	227,761	17,923	705,064	201	5,226	4,970	30,289	6
219,000	45,782	925	36,250	600	18,200	910	6,740	7
179,750	108,130	2,150	87,177	1,256	36,357	1,638	16,389	8
3,000	1,200	18	1,080	.....	.....	15	270	9
2,762,885	1,200,127	43,681	1,872,692	10,114	267,566	29,348	218,882	10
1,672,182	612,133	38,638	1,545,035	5,346	144,654	25,430	129,160	11
359,514	137,512	3,576	159,393	1,978	50,229	1,709	22,518	12
135,986	77,334	1,937	95,780	442	11,550	690	10,190	13
2,052,431	762,985	38,415	1,533,781	3,771	93,145	21,684	85,340	14
367,500	250,100	2,947	116,910	895	20,775	5,786	43,124	15
712,384	247,472	6,839	263,888	2,138	54,174	3,468	31,347	16
784,135	215,805	8,421	313,091	3,581	94,079	5,487	37,463	17
3,437,400	2,286,803	63,728	2,397,518	9,382	274,477	32,850	293,455	18
1,571,447	519,433	17,462	753,412	5,422	154,963	9,647	113,511	19
109,500	59,934	1,473	66,290	802	26,680	728	8,282	20
112,550	34,700	785	24,339	437	12,174	378	3,377	21
3,108,500	1,444,884	41,767	1,672,200	5,942	174,225	43,097	162,679	22
8,000	5,000	20	4,800	40	5,000	60	2,250	23
67,840	72,194	1,845	59,410	130	5,240	439	5,679	24
101,000	133,500	3,173	190,380	140	5,300	963	28,260	25
500,760	285,165	6,684	240,781	2,750	91,086	7,798	82,575	26
2,476,541	1,191,689	50,477	1,778,610	4,911	131,910	26,632	163,798	27
15,121,501	7,425,129	222,959	7,955,649	33,115	840,247	109,098	789,099	28
107,050	41,758	902	36,994	1,236	31,270	864	7,211	29
8,273,629	2,858,166	93,788	3,801,531	17,095	458,596	83,772	353,556	30
28,000	25,500	625	21,570	60	200	347	4,990	31
14,872,073	4,952,788	214,117	7,947,228	18,688	469,636	184,197	657,466	32
1,224,000	512,025	13,111	534,305	100	2,500	5,630	45,703	33
64,251	40,210	415	22,600	230	5,880	250	2,012	34
331,392	166,501	4,017	168,235	1,994	47,940	4,279	25,199	35
54,000	17,350	575	28,770	116	3,500	495	7,950	36
266,200	115,267	4,366	207,507	1,288	34,343	2,395	24,813	37
554,235	199,275	5,547	199,788	2,995	79,141	6,242	42,521	38
16,200	1,150	61	1,610	15	390	12	168	39
462,100	167,488	5,285	225,830	1,377	28,597	3,716	7,770	40
760,500	372,352	14,186	619,074	794	23,919	6,402	62,697	41

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

IRON, CAST—Continued.

	States and Territories.	MATERIALS—Continued.		PRODUCTS.		
		All other materials.	All materials.	Car-wheels.	Railings.	Hollow ware.
	The United States	*Dollars.* 2,821,870	*Dollars.* 48,222,550	*Number.* 473,108	*Feet.* 1,530,581	*Dollars.* 3,000,948
1	Alabama	21,630	152,271	373	5,000	1,600
2	Arkansas	.....	4,800	.....	.....	.....
3	California	124,286	712,354	300	100	64,000
4	Colorado	500	32,500	.....	.....	.....
5	Connecticut	22,328	1,748,035	10,000	608,000	25,400
6	Delaware	20,760	761,339	40,000	3,000	.....
7	District of Columbia	1,850	63,040	.....	.....	.....
8	Georgia	9,520	149,443	2,105	.....	17,975
9	Idaho	625	1,975	.....	.....	.....
10	Illinois	45,090	2,404,230	27,170	.....	235,800
11	Indiana	44,807	1,863,656	63,127	15,200	68,980
12	Iowa	20,854	252,994	730	100	.....
13	Kansas	19,140	136,660	.....	.....	12,000
14	Kentucky	8,483	1,720,749	2,560	.....	134,824
15	Louisiana	15,605	196,414	10	.....	.....
16	Maine	11,497	360,906	.....	3,000	.....
17	Maryland	7,837	453,370	1,056	230	3,300
18	Massachusetts	164,545	3,129,995	100	.....	187,750
19	Michigan	55,135	1,077,021	14,483	.....	.....
20	Minnesota	1,556	102,808	.....	.....	2,000
21	Mississippi	15,294	55,184	.....	1,140	.....
22	Missouri	188,443	2,197,637	33,968	103,000	286,200
23	Montana	2,550	14,600	.....	.....	.....
24	Nebraska	36,852	107,181	.....	.....	.....
25	Nevada	39,476	263,416	.....	.....	.....
26	New Hampshire	44,354	458,796	3,000	2,100	5,200
27	New Jersey	64,160	2,138,484	19,896	2,500	113,000
28	New York	865,134	10,450,129	65,689	622,577	553,397
29	North Carolina	6,028	81,503	900	.....	.....
30	Ohio	150,827	4,764,510	42,366	28,665	479,793
31	Oregon	2,600	29,360	.....	.....	.....
32	Pennsylvania	727,112	9,801,442	125,905	122,469	749,134
33	Rhode Island	40,453	622,961	.....	.....	.....
34	South Carolina	3,000	33,492	.....	.....	4,210
35	Tennessee	5,220	246,594	972	2,800	39,500
36	Texas	3,850	44,070	.....	.....	.....
37	Vermont	5,055	271,718	6,388	10,000	3,000
38	Virginia	2,312	323,762	5,300	700	4,835
39	Washington	490	2,658	.....	.....	.....
40	West Virginia	7,897	270,094	1,680	.....	.....
41	Wisconsin	14,709	720,399	5,030	.....	15,250

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

IRON, CAST—Continued.

PRODUCTS—Continued.									
Malleable iron castings.	Hot-air furnaces.	Cook's ranges.	Stoves.	Agricultural castings.	Architectural castings.	Machine castings.	Miscellaneous castings.	All products.	
Dollars.	*Number.*	*Number.*	*Number.*	*Tons.*	*Tons.*	*Tons.*	*Tons.*	*Dollars.*	
2,597,096	15,351	5,450	1,285,177	40,168	27,845	107,791	535,395	99,843,218	
.....	.....	.....	.....	.....	.....	.....	2,103	326,890	1
.....	.....	.....	.....	.....	.....	.....	140	10,000	2
.....	.....	190	808	57	.....	3,368	7,045	1,329,961	3
.....	.....	.....	.....	.....	.....	.....	315	55,000	4
462,936	.....	.....	14,550	15	.....	2,594	24,596	4,156,944	5
.....	.....	.....	250	79	.....	.....	4,448	1,085,557	6
.....	.....	.....	.....	.....	.....	.....	1,310	131,405	7
.....	.....	.....	1,200	.....	.....	.....	2,567	443,297	8
.....	.....	.....	.....	.....	.....	.....	17	4,940	9
76,000	.....	.....	55,575	2,963	3,025	3,848	27,153	4,503,053	10
10,000	.....	3	28,082	.....	.....	5,759	16,043	3,067,708	11
.....	.....	.....	6,750	.....	.....	.....	3,911	532,780	12
.....	.....	.....	10,000	.....	.....	.....	1,620	326,420	13
.....	.....	.....	52,514	3,710	.....	.....	26,830	3,222,243	14
.....	50	.....	.....	.....	.....	636	2,889	552,470	15
.....	50	.....	3,407	27	.....	1,080	6,611	772,965	16
.....	.....	.....	1,092	355	.....	2,243	6,360	928,094	17
138,500	4,652	1,350	67,070	620	.....	2,357	50,348	7,046,702	18
4,000	.....	.....	14,046	5,133	.....	5,642	5,545	2,082,552	19
.....	24	.....	110	.....	.....	.....	2,117	244,262	20
.....	.....	.....	250	.....	.....	.....	1,096	126,082	21
170,000	570	850	124,840	200	2,445	426	13,824	4,163,605	22
.....	.....	.....	.....	.....	.....	.....	50	25,000	23
.....	.....	.....	.....	.....	.....	.....	1,763	196,518	24
.....	.....	.....	.....	.....	.....	.....	2,964	641,250	25
.....	264	.....	12,520	5	.....	2,795	4,009	914,568	26
374,800	35	.....	4,633	1,305	.....	1,748	41,197	4,012,805	27
870,800	7,652	.....	422,694	13,380	20,975	33,966	77,640	23,993,436	28
12,000	.....	.....	.....	449	.....	.....	1,159	157,571	29
170,000	50	100	228,579	5,445	1,400	7,376	48,817	10,539,400	30
.....	.....	.....	.....	.....	.....	80	525	65,000	31
254,160	4	1,157	194,121	4,821	.....	30,589	118,304	18,758,295	32
49,060	2,000	1,800	15,575	.....	.....	.....	8,109	1,416,105	33
900	.....	.....	.....	.....	.....	135	270	119,750	34
.....	.....	.....	650	143	.....	1,974	2,253	555,111	35
.....	.....	.....	.....	.....	.....	.....	632	77,000	36
4,000	.....	.....	850	96	.....	200	3,134	491,520	37
.....	.....	.....	1,890	1,059	.....	.....	5,344	769,274	38
.....	.....	.....	.....	.....	.....	.....	67	8,500	39
.....	.....	.....	15,872	40	.....	1,045	1,575	506,072	40
.....	.....	.....	7,210	275	.....	.....	10,695	1,429,193	41

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

LEAD, PIG.

	States.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	MACHINES. Furnaces.	MACHINES. Capacity, tons.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.	CAPITAL. Dollars.
	The United States	62	431	20	201	23	4	8	589	577	.....	12	2,191,600
1	California	1	.....	.....	.....	.....	.....	.....	15	15	.....	....	40,000
2	Illinois	3	.....	.....	8	3	.....	.....	25	25	.....	....	27,000
3	Iowa	2	5	1	10	2	4	8	11	11	.....	....	17,000
4	Missouri	31	203	9	81	11	.....	.....	194	194	.....	....	1,428,600
5	Nevada	9	215	9	.....	.....	.....	.....	181	181	.....	....	438,000
6	New York	2	8	1	.....	.....	.....	.....	30	30	.....	....	140,000
7	Virginia	1	.....	.....	40	1	.....	.....	42	30	.....	12	10,000
8	Wisconsin	13	.....	.....	62	6	.....	.....	91	91	.....	....	91,000

LEATHER, CURRIED.

	States and Territories.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WAT'R-WH'LS. Horse-power.	WAT'R-WH'LS. Number.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females ab. 15.	HANDS EMPLOYED. Youth.	CAPITAL. Dollars.	WAGES. Dollars.	MATERIALS. Leather. Sides.	MATERIALS. Leather. Dollars.
	The United States	3,083	2,992	174	887	55	10,027	9,907	57	63	12,303,785	4,154,114	9,133,330	33,784,271
1	Alabama	58	.....	...	15	1	97	94	2	1	60,598	15,340	48,572	110,083
2	Arkansas	14	.....	...	.....	..	18	18	...	...	10,175	1,275	10,841	24,616
3	Connecticut	30	8	1	20	1	66	66	...	...	86,200	25,745	31,550	145,912
4	California	27	36	2	.....	..	55	53	1	1	110,950	19,373	84,862	292,872
5	Delaware	7	43	3	.....	..	70	52	9	9	96,024	34,323	43,530	213,289
6	Georgia	86	10	1	20	2	126	126	...	...	72,924	18,727	76,545	195,655
7	Illinois	44	39	3	.....	..	334	334	...	...	386,550	169,129	415,893	1,436,651
8	Indiana	156	147	10	.....	..	319	315	...	4	303,810	84,981	224,888	780,286
9	Iowa	16	.....	...	.....	..	20	20	...	...	13,775	2,065	6,310	17,426
10	Kansas	3	.....	...	.....	..	5	5	...	...	3,150	1,000	4,304	10,853
11	Kentucky	82	40	...	.....	..	155	154	...	1	137,916	41,848	143,248	522,305
12	Louisiana	2	.....	...	.....	..	2	2	...	...	2,400	.....	800	1,600
13	Maine	76	109	2	126	8	219	216	...	3	238,209	64,244	260,713	709,293
14	Maryland	50	15	2	.....	..	163	161	1	1	238,145	53,131	91,142	367,685
15	Massachusetts	196	1,350	99	85	8	3,194	3,168	11	15	3,163,076	1,812,052	3,370,319	11,674,783
16	Michigan	73	88	5	5	..	249	248	1	...	395,493	89,799	163,507	651,064
17	Minnesota	5	4	1	.....	..	10	10	...	...	9,200	2,385	5,682	20,037
18	Mississippi	25	.....	...	9	2	36	36	...	...	19,575	4,916	53,960	92,448
19	Missouri	30	.....	...	.....	..	76	76	...	...	54,008	35,297	55,190	174,988
20	New Hampshire	42	30	1	96	7	219	219	...	...	312,600	100,599	248,436	986,743
21	New Jersey	61	48	2	20	..	279	278	...	1	658,600	220,314	357,625	2,158,037
22	New York	325	272	12	249	12	1,011	989	15	7	1,639,388	439,253	865,178	3,504,397
23	North Carolina	101	4	...	14	..	119	119	...	...	60,186	12,297	59,345	122,954
24	Ohio	387	210	6	.....	..	796	785	3	8	1,057,733	251,413	733,380	2,381,644
25	Oregon	10	.....	...	.....	..	21	21	...	...	11,700	6,575	14,350	40,660
26	Pennsylvania	558	254	13	20	1	1,080	1,067	7	6	1,830,461	298,981	723,578	3,304,244
27	Rhode Island	6	.....	...	.....	..	112	112	...	...	263,000	61,045	158,350	596,520
28	South Carolina	31	.....	...	27	1	55	53	2	...	16,075	5,287	17,850	49,656
29	Tennessee	186	65	2	2	..	309	306	...	3	249,568	62,656	217,659	607,969
30	Texas	22	.....	...	.....	..	28	28	...	...	17,367	4,015	20,821	35,467
31	Utah	15	.....	...	.....	..	17	17	...	...	10,700	3,115	10,745	26,306
32	Vermont	64	56	3	179	12	137	137	...	...	156,390	41,739	126,155	464,957
33	Virginia	146	13	2	.....	..	194	193	...	1	90,694	18,862	88,467	224,171
34	West Virginia	74	37	2	.....	..	108	106	...	2	93,489	21,438	54,723	211,205
35	Washington	5	.....	...	.....	..	6	6	...	...	6,450	1,175	5,175	16,950
36	Wisconsin	70	114	2	.....	..	322	317	5	...	407,206	126,789	394,637	1,610,545

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

LEAD, PIG.

WAGES.	MATERIALS.								PRODUCTS.		
Dollars.	Ore.		Coal.		Wood.		All other.	All.	Pig.		
	Tons.	*Dollars.*	*Tons.*	*Dollars.*	*Cords.*	*Dollars.*	*Dollars.*	*Dollars.*	*Tons.*	*Dollars.*	
237, 628	52, 293	2, 288, 198	8, 518	51, 600	7, 001	24, 946	242, 330	2, 807, 074	21, 515	3, 499, 183	
15, 000	.....	.....	.....	.....	.....	.....	.....	200, 000	1, 900	200, 000	1
8, 400	1, 850	159, 050	.....	.....	.....	.....	4, 420	163, 470	1, 083	182, 280	2
3, 450	450	40, 500	.....	.....	125	650	225	41, 375	310	50, 850	3
49, 220	6, 602	434, 136	518	2, 850	3, 994	8, 076	9, 226	454, 288	4, 397	642, 831	4
109, 900	27, 575	442, 512	.....	.....	1, 190	7, 700	107, 750	557, 962	4, 083	894, 600	5
16, 750	9, 150	750, 000	8, 000	48, 750	.....	.....	117, 600	916, 350	6, 336	970, 500	6
6, 000	2, 000	20, 000	.....	.....	300	1, 200	1, 500	22, 700	252	43, 720	7
28, 908	4, 666	442, 000	.....	.....	1, 392	7, 320	1, 609	450, 929	3, 154	514, 402	8

LEATHER, CURRIED.

MATERIALS—Continued.						PRODUCTS.			
Oil.		Skins.		All other materials.	All materials.	Leather.	Skins.	All products.	
Gallons.	*Dollars.*	*Number.*	*Dollars.*	*Dollars.*	*Dollars.*	*Sides.*	*Number.*	*Dollars.*	
2, 089, 754	1, 042, 495	4, 084, 980	6, 833, 215	1, 305, 612	43, 565, 593	9, 133, 330	4, 084, 967	54, 191, 167	
3, 113	3, 387	7, 247	12, 406	478	126, 354	48, 572	7, 247	172, 949	1
815	855	1, 940	3, 740	241	29, 452	10, 841	1, 940	40, 493	2
9, 247	7, 979	23, 215	70, 419	6, 458	230, 768	31, 550	23, 215	291, 601	3
18, 187	16, 332	25, 463	46, 010	2, 529	357, 743	84, 862	25, 463	423, 678	4
3, 300	2, 713	1, 425	7, 258	2, 124	225, 384	43, 530	1, 425	279, 962	5
7, 223	7, 320	11, 650	21, 521	1, 476	225, 972	76, 545	11, 650	288, 346	6
86, 997	68, 232	87, 065	228, 621	14, 795	1, 748, 299	415, 893	87, 065	2, 134, 889	7
41, 956	35, 187	63, 747	88, 263	6, 042	909, 778	224, 888	63, 747	1, 151, 307	8
1, 945	2, 168	10, 095	14, 427	.....	34, 021	6, 310	10, 095	41, 310	9
470	505	640	1, 075	.....	12, 433	4, 304	640	14, 499	10
15, 275	14, 442	9, 127	17, 374	2, 684	556, 805	143, 248	9, 127	683, 668	11
95	95	.....	.....	.....	1, 695	800	.....	2, 200	12
54, 254	36, 407	62, 135	143, 780	5, 382	894, 862	200, 713	62, 135	1, 082, 554	13
17, 731	14, 102	46, 164	100, 365	11, 923	494, 075	91, 142	46, 164	623, 308	14
945, 320	648, 027	1, 055, 087	1, 722, 583	924, 527	14, 969, 920	3, 370, 319	1, 055, 087	19, 211, 330	15
41, 730	35, 784	238, 030	132, 938	13, 594	833, 380	163, 507	238, 030	1, 064, 297	16
1, 480	1, 610	2, 453	4, 255	30	25, 932	5, 682	2, 453	30, 765	17
2, 740	2, 803	5, 176	8, 360	.....	103, 611	53, 960	5, 176	133, 316	18
17, 171	17, 490	64, 540	83, 897	1, 500	277, 875	55, 190	64, 540	371, 496	19
79, 704	59, 927	116, 402	361, 760	29, 989	1, 438, 419	248, 436	116, 402	1, 720, 520	20
120, 722	105, 151	48, 020	117, 968	63, 014	2, 444, 170	357, 625	48, 020	2, 932, 401	21
158, 922	131, 338	1, 028, 850	1, 473, 955	76, 804	5, 186, 494	865, 178	1, 028, 850	6, 310, 222	22
5, 777	5, 895	6, 364	11, 034	888	140, 771	59, 345	6, 351	180, 195	23
148, 468	137, 467	210, 882	380, 510	33, 597	2, 933, 218	733, 380	210, 882	3, 522, 100	24
2, 636	2, 590	6, 200	11, 145	610	55, 005	14, 350	6, 200	73, 688	25
139, 953	130, 783	518, 439	993, 742	50, 685	4, 479, 454	728, 578	518, 439	5, 429, 833	26
15, 750	17, 863	132, 304	170, 783	8, 788	793, 954	158, 350	132, 304	1, 087, 161	27
1, 471	1, 563	4, 034	6, 615	321	58, 155	17, 850	4, 034	80, 247	28
20, 025	20, 008	63, 575	106, 000	3, 093	737, 070	217, 659	63, 575	922, 641	29
1, 138	1, 189	2, 585	3, 943	60	40, 659	20, 821	2, 585	57, 387	30
1, 129	2, 107	2, 090	6, 220	362	34, 995	10, 745	2, 090	41, 639	31
29, 361	24, 456	70, 913	127, 789	1, 843	619, 045	126, 155	70, 913	762, 571	32
9, 445	8, 889	13, 345	24, 397	2, 495	259, 952	88, 467	13, 345	328, 294	33
7, 149	7, 587	20, 627	31, 748	1, 840	252, 386	54, 723	20, 627	313, 229	34
865	888	3, 062	5, 249	310	23, 397	5, 175	3, 062	26, 934	35
78, 190	69, 356	122, 089	293, 065	37, 124	2, 010, 090	394, 637	122, 089	2, 360, 347	36

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

LEATHER, TANNED.

	States and Territories.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.	CAPITAL. Dollars.	WAGES. Dollars.
	The United States	4,237	19,572	1,045	14,202	855	20,784	20,423	98	263	42,720,505	7,934,416
1	Alabama	83	18	2	35	2	181	168	5	8	146,171	32,638
2	Arkansas	21	.....	.....	.....	.....	34	33	.....	1	21,925	3,985
3	Connecticut	39	50	4	279	17	158	156	2	.....	324,650	66,302
4	California	43	113	8	2	1	207	204	2	1	322,550	92,411
5	Delaware	10	63	3	.....	.....	85	75	8	2	227,000	35,223
6	Dist. of Columbia	2	38	2	.....	.....	25	25	.....	.....	75,000	8,700
7	Florida	3	.....	.....	.....	.....	11	11	.....	.....	8,000	3,500
8	Georgia	100	62	4	79	8	190	184	1	5	113,323	29,031
9	Illinois	53	529	23	5	1	418	415	1	2	896,750	203,315
10	Indiana	197	535	31	5	1	514	503	2	9	875,740	142,469
11	Iowa	17	3	1	.....	.....	32	32	.....	.....	23,350	4,260
12	Kansas	3	.....	.....	.....	.....	6	6	.....	.....	3,150	1,000
13	Kentucky	100	237	15	1	1	293	282	1	10	566,424	76,968
14	Louisiana	7	.....	.....	.....	.....	16	16	.....	.....	13,800	2,250
15	Maine	123	552	28	1,313	85	781	772	1	8	1,606,740	285,882
16	Maryland	69	271	21	35	3	281	275	3	3	792,430	94,180
17	Massachusetts	138	1,584	75	478	37	1,424	1,416	.....	8	3,130,850	756,467
18	Michigan	99	838	47	189	9	478	474	1	3	897,047	192,150
19	Minnesota	7	4	1	.....	.....	20	20	.....	.....	25,200	8,765
20	Mississippi	31	.....	.....	5	1	65	63	.....	2	30,085	8,377
21	Missouri	50	115	4	.....	.....	164	162	.....	2	135,242	78,528
22	New Hampshire	72	375	21	925	53	410	408	.....	2	875,800	160,109
23	New Jersey	67	385	27	110	10	617	571	31	15	1,273,387	347,760
24	New York	624	5,384	239	7,086	368	6,064	6,005	8	51	13,286,940	2,609,052
25	North Carolina	121	54	5	52	8	189	183	.....	6	99,042	19,533
26	Ohio	495	1,622	106	94	7	1,265	1,239	.....	26	2,171,108	379,178
27	Oregon	14	10	1	22	4	38	38	.....	.....	35,700	12,125
28	Pennsylvania	890	5,341	294	2,164	132	4,650	4,559	25	66	11,800,046	1,683,479
29	Rhode Island	8	135	5	27	2	101	101	.....	.....	223,000	47,490
30	South Carolina	34	.....	.....	43	7	72	70	.....	2	24,125	8,090
31	Tennessee	209	230	9	66	8	458	440	2	11	451,097	87,619
32	Texas	34	.....	.....	.....	.....	62	61	.....	1	37,476	7,920
33	Utah	22	.....	.....	21	3	39	36	.....	3	34,600	8,290
34	Vermont	86	200	11	979	69	321	317	4	.....	620,743	113,415
35	Virginia	172	73	5	105	7	313	307	.....	6	211,790	43,997
36	West Virginia	104	185	13	31	4	220	213	1	6	362,890	47,454
37	Washington	5	.....	.....	20	2	10	10	.....	.....	10,550	3,525
38	Wisconsin	85	566	40	31	5	577	573	.....	4	906,184	229,010

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

LEATHER, TANNED.

MATERIALS.						PRODUCTS.			
Bark.		Hides.	Skins.	All other materials.	All materials.	Leather.	Skins.	All products.	
Cords.	*Dollars.*	*Number.*	*Number.*	*Dollars.*	*Dollars.*	*Sides.*	*Number.*	*Dollars.*	
1,255,346	9,089,303	8,788,752	9,664,148	1,631,234	63,069,491	17,577,404	9,794,148	86,169,883	
5,230	22,353	40,685	10,441	4,634	137,390	81,370	10,441	239,386	1
771	3,474	7,542	2,120	580	23,325	15,084	2,120	42,528	2
5,293	49,385	29,723	648,956	11,406	520,747	41,446	648,956	732,625	3
6,214	72,672	79,703	198,063	11,598	480,411	159,406	198,063	751,046	4
1,184	18,079	18,227	81,425	18,999	171,746	36,454	81,425	244,993	5
1,100	15,200	9,500	3,000	1,072	80,772	19,000	3,000	134,475	6
185	1,100	2,400	200	150	8,000	4,800	200	13,800	7
5,463	26,555	48,307	11,866	6,604	192,821	96,614	11,866	283,960	8
21,657	191,179	230,255	265,425	27,270	1,492,078	460,510	265,425	2,013,774	9
21,413	162,914	151,603	108,575	10,912	905,347	303,206	108,575	1,310,242	10
842	4,231	4,715	14,218	1,544	35,577	9,430	14,218	50,139	11
230	1,840	2,152	640	585	9,994	4,304	640	11,928	12
13,240	132,092	115,396	88,002	13,293	741,192	230,792	88,002	1,009,906	13
359	2,172	3,500	500	442	15,585	7,000	500	27,250	14
63,470	428,467	432,300	669,850	96,889	3,021,127	864,600	669,850	3,770,227	15
17,504	161,298	98,901	53,308	7,413	926,406	197,802	53,308	1,265,388	16
76,132	1,047,145	1,253,507	288,864	472,010	8,025,578	2,507,014	288,864	9,984,497	17
26,199	172,614	163,181	572,338	27,501	1,167,876	326,362	572,338	1,606,311	18
2,485	8,462	7,991	1,413	1,970	53,815	15,982	1,413	76,242	19
1,638	5,552	32,275	6,276	452	80,756	64,550	6,276	129,407	20
3,050	22,035	35,582	70,047	13,729	252,359	71,164	170,047	463,452	21
22,029	202,175	195,268	156,814	14,801	1,566,950	390,536	156,814	1,965,576	22
25,951	268,717	210,447	510,472	135,755	2,444,205	420,894	510,472	3,110,657	23
467,080	2,685,069	2,615,442	4,035,524	371,581	19,118,186	5,230,884	4,065,524	26,988,320	24
4,491	16,373	41,586	7,492	4,769	124,619	83,172	7,492	184,113	25
54,208	471,039	401,874	390,124	66,927	2,768,493	803,748	390,124	3,714,232	26
1,265	7,440	9,250	6,300	593	43,388	19,700	6,300	73,555	27
322,119	2,360,587	1,808,760	993,002	181,249	13,994,036	3,617,520	993,002	19,828,323	28
375	5,750	100,300	96,304	63,624	673,344	200,600	96,304	741,103	29
911	3,908	13,124	4,241	1,096	48,070	26,248	4,241	85,778	30
16,132	86,105	137,240	69,485	11,740	660,335	274,480	69,485	921,497	31
1,149	5,047	13,655	2,848	2,395	36,429	27,210	2,848	60,524	32
404	6,597	7,457	2,647	521	24,358	14,914	2,647	49,964	33
16,497	121,257	138,631	117,953	20,847	967,840	277,262	117,953	1,249,942	34
8,930	58,206	70,549	19,232	6,703	331,138	141,098	19,232	462,149	35
9,858	72,486	59,135	20,173	2,940	374,292	118,270	20,173	527,016	36
415	4,110	2,950	3,186	56	12,764	5,900	3,186	24,465	37
29,867	165,618	204,039	123,824	16,584	1,478,142	408,078	123,824	2,013,093	38

TABLE CIII.—*Manufactures; Special Statistics for Principal Industries*—1870—Cont'd.

LUMBER, SAWED.*

	States and Territories.	Establishments.	STEAM-ENGINES.		WATER-WHEELS.		SAWS.	HANDS EMPLOYED.			
			Horse-power.	Number.	Horse-power.	Number.	Number.	All.	Males above 16.	Females above 15.	Youth.
	The United States	25,832	314,884	11,204	326,781	16,562	63,197	149,997	146,047	682	3,268
1	Alabama	284	3,091	110	1,918	129	331	1,428	1,411	8	9
2	Arizona	1	10	1	.....	.....	1	16	16	....	.....
3	Arkansas	211	3,144	123	322	24	245	1,107	1,075	6	26
4	California	291	6,796	184	3,009	122	723	4,077	4,059	12	6
5	Colorado	32	494	22	206	11	63	218	217	1	.....
6	Connecticut	393	434	15	6,905	381	767	908	908	....	.....
7	Dakota	10	248	9	25	2	13	68	66	....	2
8	Delaware	80	816	32	795	50	131	311	308	....	3
9	Dist. of Columbia	1	120	1	.....	.....	2	15	10	....	5
10	Florida	104	2,487	69	167	15	219	1,116	1,091	2	23
11	Georgia	532	5,673	187	4,786	336	787	2,976	2,913	11	52
12	Idaho	10	83	4	78	6	11	47	47	....	.....
13	Illinois	511	12,382	455	506	22	777	3,100	3,059	2	39
14	Indiana	1,861	34,696	1,468	5,303	299	2,738	9,446	9,097	7	342
15	Iowa	545	12,758	401	2,593	121	1,595	3,782	3,563	17	202
16	Kansas	195	3,853	154	597	22	279	1,161	1,153	1	7
17	Kentucky	562	9,443	378	1,779	101	751	2,497	2,425	13	59
18	Louisiana	152	3,350	134	33	7	197	1,054	1,038	2	14
19	Maine	1,099	3,213	76	38,898	1,660	4,658	8,506	8,463	2	41
20	Maryland	391	2,373	98	3,686	273	532	1,245	1,229	....	16
21	Massachusetts	644	2,019	64	13,910	697	1,649	2,291	2,266	....	25
22	Michigan	1,571	41,216	1,137	12,448	547	7,052	20,058	19,252	63	743
23	Minnesota	207	4,539	114	3,831	119	1,012	2,952	2,890	14	39
24	Mississippi	265	5,666	192	419	48	391	1,954	1,907	15	32
25	Missouri	806	14,697	580	1,797	87	1,017	3,900	3,789	11	100
26	Montana	31	165	11	368	20	40	161	161	....	.....
27	Nebraska	50	648	30	358	18	59	202	202	....	.....
28	Nevada	18	290	11	315	9	48	324	324	....	.....
29	New Hampshire	723	1,923	63	21,101	996	2,069	3,398	3,379	7	12
30	New Jersey	285	1,318	36	4,655	262	656	1,145	1,122	....	23
31	New Mexico	12	48	2	153	10	15	63	63	....	.....
32	New York	3,510	29,042	720	73,837	3,600	12,466	15,409	14,720	44	645
33	North Carolina	523	3,517	134	4,535	341	681	2,361	2,329	3	29
34	Ohio	2,230	36,728	1,628	9,690	580	3,177	8,237	8,046	12	179
35	Oregon	165	1,645	40	2,916	137	264	692	686	2	4
36	Pennsylvania	3,739	33,259	1,096	55,553	3,136	8,759	17,427	17,278	15	134
37	Rhode Island	81	321	14	1,168	66	115	204	194	1	9
38	South Carolina	227	2,315	82	1,729	114	375	1,212	1,183	1	28
39	Tennessee	702	7,357	300	4,222	291	909	2,910	2,868	7	35
40	Texas	324	4,710	225	605	31	390	1,750	1,714	15	21
41	Utah	95	285	16	823	75	123	541	538	....	3
42	Vermont	637	1,567	37	19,731	782	1,552	2,782	2,761	6	15
43	Virginia	605	4,329	198	6,038	379	741	2,283	2,254	16	13
44	Washington	46	1,046	26	733	24	179	474	474	....	.....
45	West Virginia	343	3,495	144	2,572	185	453	1,515	1,484	3	28
46	Wisconsin	720	16,119	377	11,668	427	4,127	12,461	11,795	362	304
47	Wyoming	8	151	6	.....	.....	8	213	211	1	1

* Including shingles, staves, &c., shaved.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

LUMBER, SAWED.

CAPITAL.	WAGES.	MATERIALS.	PRODUCTS.					
Dollars.	Dollars.	Dollars.	Laths.	Lumber.	Shingles.	Staves, shooks, headings, &c.	All products.	
			Thousand.	*M feet.*	*Thousand.*	*Dollars.*	*Dollars.*	
143, 493, 232	40, 009, 162	103, 343, 430	1, 295, 091	12, 755, 543	3, 265, 516	10, 473, 681	210, 159, 327	
744, 005	357, 195	520, 513	1, 115	97, 192	1, 422	18, 341	1, 359, 083	1
5, 000	6, 000	1, 600	.....	1, 200	.....	.....	10, 000	2
694, 400	255, 186	546, 059	2, 200	78, 692	4, 747	.....	1, 344, 403	3
3, 856, 440	1, 620, 626	1, 986, 119	2, 877	318, 817	103, 547	94, 580	5, 227, 064	4
132, 700	78, 711	117, 075	2, 710	13, 625	3, 675	.....	324, 370	5
775, 391	242, 990	940, 665	813	56, 482	15, 510	16, 451	1, 541, 038	6
37, 400	14, 256	32, 772	.....	3, 894	.....	.....	72, 280	7
290, 424	70, 823	229, 856	100	18, 858	.....	56, 356	405, 041	8
1, 500	1, 800	20, 000	.....	.....	.....	30, 000	30, 000	9
755, 090	421, 820	1, 163, 238	1, 400	158, 524	.....	.....	2, 235, 780	10
1, 718, 473	667, 628	1, 616, 527	1, 883	245, 141	1, 560	.....	4, 044, 375	11
50, 750	17, 934	20, 177	.....	1, 490	400	.....	56, 850	12
2, 542, 530	817, 212	2, 163, 655	13, 650	245, 910	40, 928	123, 205	4, 546, 769	13
5, 975, 746	1, 901, 612	5, 563, 985	11, 202	656, 400	73, 707	1, 456, 233	12, 324, 755	14
3, 925, 031	995, 062	3, 302, 782	47, 884	325, 285	97, 928	97, 775	5, 794, 285	15
642, 955	282, 662	822, 028	320	74, 163	12, 108	6, 814	1, 736, 381	16
1, 724, 686	482, 683	1, 805, 591	8, 050	214, 074	13, 573	142, 675	3, 662, 986	17
541, 800	284, 953	519, 938	8	76, 459	.....	6, 668	1, 212, 037	18
6, 614, 875	2, 449, 132	6, 872, 723	266, 889	639, 167	364, 201	1, 263, 613	11, 395, 747	19
1, 055, 600	259, 551	674, 858	5, 849	96, 165	3, 869	64, 477	1, 501, 471	20
2, 054, 829	569, 300	2, 065, 375	873	197, 377	36, 486	391, 838	3, 556, 870	21
26, 990, 450	6, 400, 283	14, 347, 601	304, 054	2, 251, 613	658, 741	1, 332, 922	31, 946, 396	22
3, 311, 140	880, 028	2, 193, 965	49, 768	242, 390	127, 813	88, 861	4, 299, 162	23
1, 153, 917	580, 056	828, 793	651	160, 584	5, 560	.....	2, 160, 667	24
3, 241, 670	1, 031, 513	3, 428, 235	12, 970	329, 676	10, 442	104, 236	6, 363, 112	25
146, 000	80, 965	172, 098	400	12, 571	2, 356	546	430, 957	26
152, 200	47, 102	118, 975	.....	13, 824	900	.....	278, 205	27
193, 500	153, 930	135, 450	75	35, 025	700	.....	432, 500	28
2, 428, 193	725, 304	2, 471, 427	10, 383	253, 434	52, 225	324, 959	4, 286, 142	29
2, 238, 900	369, 835	1, 612, 202	3, 167	101, 829	3, 624	135, 066	2, 745, 317	30
47, 100	35, 425	40, 083	.....	6, 909	.....	.....	121, 225	31
15, 110, 981	3, 438, 001	11, 228, 613	27, 999	1, 310, 066	372, 183	1, 646, 811	21, 238, 228	32
1, 175, 950	379, 611	970, 294	1, 530	124, 938	13, 817	123, 990	2, 000, 243	33
6, 191, 679	1, 535, 909	5, 038, 678	15, 238	537, 237	59, 632	1, 004, 669	10, 235, 180	34
913, 262	261, 785	358, 273	7, 346	75, 193	.....	11, 086	1, 014, 211	35
24, 804, 304	5, 261, 576	14, 940, 096	95, 592	1, 629, 631	275, 273	766, 995	28, 938, 985	36
161, 200	39, 826	157, 079	.....	12, 732	5, 119	6, 500	257, 258	37
583, 425	209, 806	581, 499	2, 500	95, 098	1, 200	450	1, 197, 005	38
1, 622, 741	578, 364	1, 446, 782	5, 370	204, 751	11, 337	14, 365	3, 390, 687	39
870, 491	390, 149	644, 274	623	106, 897	30, 209	.....	1, 060, 851	40
338, 500	139, 533	266, 047	1, 138	19, 741	8, 001	120	661, 431	41
2, 872, 451	729, 925	1, 731, 516	6, 672	241, 087	28, 502	217, 293	3, 525, 122	42
979, 386	343, 823	860, 949	4, 258	144, 225	614	8, 225	2, 111, 055	43
1, 285, 202	388, 830	580, 259	17, 000	128, 743	10, 450	1, 500	1, 307, 585	44
981, 950	349, 368	682, 180	197, 871	76, 375	5, 600	295, 470	1, 478, 399	45
11, 448, 545	3, 755, 089	7, 422, 866	102, 663	1, 098, 199	806, 807	620, 591	15, 130, 719	46
110, 500	104, 500	99, 000	.....	3, 260	750	.....	268, 000	47

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

MUSICAL INSTRUMENTS.

	States.	Establishments.	Steam-engines. Number.	Steam-engines. Horse-power.	Water-wheels. Number.	Water-wheels. Horse-power.	Hands employed. All.	Hands employed. Males above 16.	Hands employed. Females above 15.	Hands employed. Youth.	Capital. Dollars.	Wages. Dollars.
	The United States	337	1,559	72	459	28	7,167	7,001	68	98	9,554,761	5,107,291
1	Alabama	1	.....	.....	.....	.....	1	1	.....	.....	50	.....
2	California	3	.....	.....	.....	.....	5	5	.....	.....	5,100	2,000
3	Connecticut	12	95	4	108	6	299	278	21	.....	511,000	202,563
4	Illinois	13	80	2	.....	.....	170	168	1	1	201,800	119,586
5	Indiana	3	60	2	.....	.....	59	59	.....	.....	130,000	47,800
6	Iowa	3	.....	.....	.....	.....	5	5	.....	.....	3,600	1,700
7	Kentucky	2	10	1	.....	.....	51	48	.....	3	55,000	28,000
8	Louisiana	2	.....	.....	.....	.....	5	5	.....	.....	325	1,860
9	Maine	9	.....	.....	13	2	31	31	.....	.....	24,250	11,550
10	Maryland	9	50	1	.....	.....	384	377	.....	7	594,000	249,348
11	Massachusetts	60	550	23	243	14	2,193	2,173	16	4	3,247,436	1,609,082
12	Michigan	12	5	.....	.....	.....	87	86	.....	1	72,550	51,400
13	Missouri	11	.....	.....	.....	.....	71	67	.....	4	174,400	60,800
14	New Hampshire	11	10	1	60	4	73	73	.....	.....	36,800	36,850
15	New Jersey	7	20	1	.....	.....	110	110	.....	.....	82,300	76,437
16	New York	122	404	26	35	2	2,860	2,767	23	70	3,344,150	1,997,134
17	Ohio	18	42	3	.....	.....	115	114	.....	1	127,650	50,560
18	Oregon	2	.....	.....	.....	.....	2	2	.....	.....	1,700	.....
19	Pennsylvania	32	128	5	.....	.....	409	401	2	6	605,500	228,031
20	Rhode Island	1	15	1	.....	.....	18	18	.....	.....	20,000	9,000
21	Tennessee	1	30	1	.....	.....	2	2	.....	.....	150	450
22	Vermont	2	60	1	.....	.....	204	199	5	.....	302,000	120,200
23	Wisconsin	1	.....	.....	.....	.....	13	12	.....	1	15,000	12,000

NAILS AND TACKS.

	States.	Establishments.	Steam-engines. Horse-power.	Steam-engines. Number.	Water-wheels. Horse-power.	Water-wheels. Number.	Hands employed. All.	Hands employed. Males above 16.	Hands employed. Females above 15.	Hands employed. Youth.	Capital. Dollars.	Wages. Dollars.
	The United States	119	9,955	91	2,149	56	7,353	5,610	434	1,309	8,043,112	3,721,099
1	Connecticut	1	.....	.....	10	1	44	28	7	9	50,000	21,000
2	Delaware	1	.....	.....	.....	.....	2	2	.....	.....	175	400
3	Illinois	1	40	3	.....	.....	138	108	.....	30	90,000	70,000
4	Indiana	2	422	2	.....	.....	67	62	.....	5	98,000	37,767
5	Maine	1	.....	.....	30	1	2	2	.....	.....	10,030	900
6	Massachusetts	43	1,562	23	1,289	40	2,213	1,725	389	99	1,912,950	908,230
7	Missouri	1	160	2	.....	.....	47	32	.....	15	142,857	30,000
8	New Jersey	6	928	9	295	4	534	442	.....	92	537,839	256,675
9	New York	15	189	6	285	6	464	349	4	111	415,000	177,200
10	Ohio	6	957	6	.....	.....	316	211	.....	105	751,091	178,040
11	Pennsylvania	27	2,895	27	115	1	2,020	1,578	22	420	2,640,000	1,100,556
12	Rhode Island	4	462	4	5	.....	179	137	3	39	250,200	131,162
13	Tennessee	1	10	1	.....	.....	8	2	.....	6	8,000	1,000
14	Vermont	1	.....	.....	20	1	3	3	.....	.....	15,000	700
15	Virginia	1	.....	.....	100	2	160	160	.....	.....	125,000	85,000
16	West Virginia	8	2,330	8	.....	.....	1,156	769	9	378	988,000	722,460

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

MUSICAL INSTRUMENTS.

MATERIALS.	PRODUCTS.										
Dollars.	Melodeons.		Pianos.		Church organs.		House organs.		All other products.	All products.	
	No.	*Dollars.*	*No.*	*Dollars.*	*No.*	*Dollars.*	*No.*	*Dollars.*	*Dollars.*	*Dollars.*	
4, 834, 552	3, 247	252, 655	24, 306	8, 225, 204	609	913, 160	28, 963	2, 873, 923	1, 641, 026	13, 905, 908	
500	.....	.....	.....	.....	.....	.....	.....	.....	1, 500	1, 500	1
4, 322	.....	.....	24	9, 000	.....	.....	.....	.....	1, 800	10, 800	2
527, 441	1, 231	74, 400	325	98, 000	.....	.....	2, 347	264, 324	427, 675	864, 399	3
80, 200	20	2, 200	72	26, 600	10	21, 200	2, 460	264, 000	15, 200	329, 200	4
54, 500	.....	.....	420	190, 000	.....	.....	.....	.....	800	190, 800	5
1, 350	.....	.....	2	800	.....	.....	5	600	2, 500	3, 900	6
28, 000	.....	.....	241	95, 000	.....	.....	.....	.....	.....	95, 000	7
500	.....	.....	.....	.....	.....	.....	.....	.....	3, 000	3, 000	8
17, 387	167	11, 596	.....	.....	.....	.....	171	21, 531	19, 700	52, 827	9
317, 570	.....	.....	1, 624	651, 000	7	18, 400	.....	.....	5, 200	674, 600	10
1, 142, 394	30	4, 500	7, 419	2, 485, 035	345	338, 700	12, 502	1, 075, 789	549, 770	4, 453, 794	11
50, 810	35	1, 750	12	8, 000	5	6, 000	1, 262	134, 200	4, 450	154, 400	12
66, 340	.....	.....	282	101, 100	27	39, 500	.....	.....	12, 700	153, 300	13
32, 881	603	34, 429	.....	.....	.....	.....	195	17, 811	42, 430	94, 670	14
73, 360	.....	.....	132	44, 500	.....	.....	1, 345	140, 041	3, 200	187, 741	15
1, 998, 833	490	47, 155	12, 181	4, 001, 219	191	425, 700	4, 536	507, 645	471, 196	5, 452, 915	16
84, 560	618	71, 520	75	24, 050	1	2, 500	547	59, 240	20, 315	177, 625	17
350	.....	.....	.....	.....	.....	.....	.....	.....	1, 800	1, 800	18
241, 714	.....	.....	1, 497	490, 900	15	36, 100	232	25, 848	56, 790	609, 638	19
5, 000	38	3, 230	.....	.....	.....	.....	178	15, 770	.....	19, 000	20
150	.....	.....	.....	.....	.....	.....	.....	.....	1, 000	1, 000	21
96, 390	15	1, 875	.....	.....	.....	.....	3, 183	347, 124	.....	348, 999	22
10, 000	.....	.....	.....	.....	8	25, 000	.....	.....	.....	25, 000	23

NAILS AND TACKS.

MATERIALS.						PRODUCTS.				
Plate-iron.	Rod-iron.	Bar-iron.	Coal.	All other materials.	All materials.	Nails.	Tacks.	All other products.	All products.	
Tons.	*Tons.*	*Tons.*	*Tons.*	*Dollars.*	*Dollars.*	*Tons.*	*Tons.*	*Dollars.*	*Dollars.*	
230, 225	10, 742	2, 980	99, 718	517, 954	17, 786, 072	207, 882	13, 855	1, 409, 876	23, 101, 082	
45	182	.....	90	.....	29, 000	.....	202	.....	71, 514	1
.....	4	.....	.....	.....	425	4	.....	.....	1, 816	2
6, 100	.....	.....	5, 000	38, 250	415, 000	6, 000	.....	.....	540, 000	3
3, 600	.....	.....	1, 700	.....	250, 000	3, 390	.....	.....	304, 550	4
191	5	.....	100	.....	16, 390	195	.....	.....	19, 636	5
37, 192	3, 357	.....	10, 076	214, 596	3, 810, 355	27, 457	7, 050	574, 766	5, 285, 244	6
3, 200	.....	.....	5, 000	2, 000	237, 250	3, 000	.....	.....	294, 000	7
19, 706	894	.....	2, 903	55, 211	1, 480, 850	20, 362	18	.....	1, 769, 812	8
4, 652	2, 215	2, 980	3, 190	63, 649	857, 290	8, 584	.....	73, 170	1, 141, 630	9
24, 716	.....	.....	2, 574	62, 102	1, 650, 997	22, 620	.....	41, 191	1, 908, 531	10
69, 677	3, 000	.....	33, 385	34, 096	4, 820, 239	57, 834	4, 500	640, 749	6, 291, 636	11
5, 000	87	.....	.....	48, 050	293, 094	4, 842	45	.....	450, 188	12
50	.....	.....	40	.....	3, 000	50	.....	.....	5, 000	13
25	.....	.....	10	.....	1, 875	25	.....	.....	3, 125	14
4, 000	.....	.....	50	.....	224, 200	3, 950	.....	.....	350, 000	15
52, 071	998	.....	35, 600	.....	3, 689, 207	49, 560	1, 950	80, 000	4, 665, 000	16

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

PRINTS.

	States.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	Printing-machines.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.	CAPITAL. Dollars.	WAGES. Dollars.
	The United States.	42	7,158	130	2,695	19	240	8,894	6,092	1,393	1,409	13,367,553	3,438,089
1	Iowa	1	.....	....	.....	....	1	5	5	.....	.....	4,000	900
2	Maine	1	.....	....	.....	....	.....	10	6	.....	4	1,500	4,800
3	Massachusetts	11	1,806	33	1,165	8	.....	2,996	2,006	726	264	2,894,653	1,110,055
4	New Hampshire	3	350	6	580	3	32	635	538	77	20	678,000	273,825
5	New Jersey	5	600	41	280	4	34	789	549	108	132	1,024,400	369,629
6	New York	4	850	4	500	1	22	590	379	61	150	280,000	297,500
7	Pennsylvania	7	1,317	25	70	2	60	868	569	70	229	1,695,000	353,380
8	Rhode Island	9	2,225	20	100	1	90	2,996	2,035	351	610	6,770,000	1,028,000
9	West Virginia	1	10	1	.....	....	1	5	5	.....	.....	20,000	1,600

SALT.

	States and Territories.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	MACHINES. Blocks.	Boilers.	Capacity.	Grainers.	Kettles.	Capacity.	Pans.	Capacity.	Vats.	Area in square feet.
							No	*No*	*Galls*	*No.*	*No.*	*Gallons.*	*No.*	*Galls.*	*No.*	
	United States.	282	3,278	192	44	3	402	7	1,200	2	12,879	1,273,207	470	797,286	24,525	4,496,568
1	California	8	.....	....	.....	....	.....	....	.....	....	.....	.....	....	.....	8	4,500
2	Colorado	1	.....	....	.....	....	5	....	.....	....	6	7,000	....	.....	.....	.....
3	Florida	6	.....	....	.....	....	.....	....	.....	....	13	2,980	....	.....	90	851,200
4	Idaho	1	.....	....	.....	....	1	1	1,000	....	1	.....	....	.....	.....	.....
5	Illinois	1	25	1	.....	....	2	....	.....	....	.....	.....	10	18,290	6	.....
6	Indiana	1	.....	....	.....	....	36	....	.....	....	16	3,600	....	.....	.....	.....
7	Kansas	1	8	1	.....	....	.....	....	.....	....	.....	.....	....	.....	33	50,000
8	Kentucky	4	.....	....	.....	....	.....	4	.....	....	149	14,900	....	.....	.....	.....
9	Louisiana	1	30	1	.....	....	.....	....	.....	....	.....	.....	....	.....	.....	.....
10	Massachusetts	9	.....	....	.....	....	.....	....	.....	....	.....	.....	....	.....	2,755	619,000
11	Michigan	65	756	39	.....	....	76	....	.....	....	3,749	1,031,700	....	.....	3,461	365,280
12	New York	93	78	4	.....	....	147	....	.....	....	8,091	10,287	....	.....	18,106	2,599,488
13	Ohio	40	849	46	40	2	131	....	.....	....	678	98,990	431	729,745	.....	.....
14	Pennsylvania	27	313	28	.....	....	4	....	.....	....	33	55,900	25	49,131	2	.....
15	Texas	3	.....	....	.....	....	.....	....	.....	....	143	47,850	....	.....	.....	.....
16	Utah	1	.....	....	.....	....	.....	2	200	....	.....	.....	....	.....	.....	.....
17	Virginia	2	.....	....	.....	....	.....	....	.....	....	.....	.....	4	120	.....	.....
18	West Virginia	18	1,219	72	4	1	.....	....	.....	2	.....	.....	....	.....	64	7,100

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

PRINTS.

MATERIALS.						PRODUCTS.				
Print cloth.	Delaines.	Chemicals and dyes.	Mill supplies.	All other materials.	All materials.	Prints.	Delaines.	All other products.	All products.	
Yards.	*Yards.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Yards.*	*Yards.*	*Dollars.*	*Dollars.*	
453, 809, 251	27, 710, 213	7, 204, 370	1, 581, 471	749, 510	46, 373, 358	453, 809, 251	27, 710, 213	625, 910	54, 446, 044	
105, 620	.....	7, 500	700	.....	23, 200	105, 620	.....	.....	26, 400	1
.....	.....	12, 000	3, 000	52, 000	67, 000	.....	.....	100, 000	100, 000	2
107, 838, 117	19, 575, 213	3, 280, 978	225, 644	414, 650	15, 420, 530	107, 838, 117	19, 575, 213	140, 000	17, 325, 150	3
24, 950, 000	8, 135, 000	696, 850	225, 076	147, 360	4, 118, 453	24, 950, 000	8, 135, 000	173, 410	4, 670, 333	4
50, 179, 514	.....	561, 406	247, 250	135, 500	4, 359, 653	50, 179, 514	.....	212, 530	5, 005, 997	5
50, 030, 000	.....	40, 500	20, 000	.....	2, 784, 600	50, 030, 000	.....	.....	3, 317, 100	6
53, 022, 000	.....	598, 690	208, 137	.....	4, 958, 960	53, 022, 000	.....	.....	6, 113, 584	7
167, 509, 000	.....	1, 995, 428	650, 664	.....	14, 604, 962	167, 509, 000	.....	.....	17, 842, 480	8
175, 000	.....	5, 000	1, 000	.....	36, 000	175, 000	.....	.....	45, 000	9

SALT.

HANDS EMPLOYED.				CAPITAL.	WAGES.	MATERIALS.						PRODUCTS.		
All.	Males above 16.	Females above 15.	Youth.	Dollars.	Dollars.	Coal.		Wood.		All other materials.	All materials.	All products.		
						Tons.	*Dolls.*	*Cords.*	*Dolls.*	*Dolls.*	*Dollars.*	*Bushels.*	*Dollars.*	
2, 953	2, 890	7	56	6, 561, 615	1, 146, 910	468, 368	696, 713	45, 035	11, 420	576, 502	1, 760, 670	17, 606, 105	4, 818, 229	
84	84	...	...	66, 500	13, 400	.....	.....	.....	.....	.....	.....	174, 855	48, 150	1
8	8	...	...	10, 000	1, 600	.....	.....	600	1, 800	.....	1, 800	7, 500	4, 600	2
22	22	...	...	6, 050	3, 000	.....	.....	770	.....	.....	820	25, 130	10, 950	3
8	8	...	...	12, 000	2, 000	.....	.....	500	1, 200	1, 000	2, 200	13, 400	10, 000	4
26	26	...	...	50, 000	24, 000	3, 300	3, 300	.....	.....	9, 000	12, 300	54, 000	45, 000	5
4	4	...	...	2, 000	200	.....	.....	100	200	.....	200	1, 020	600	6
4	4	...	...	50, 000	1, 000	.....	.....	35	175	100	275	10, 000	6, 000	7
40	39	1	...	16, 500	10, 070	.....	5, 520	.....	.....	.....	5, 520	64, 000	20, 920	8
57	57	...	...	120, 000	35, 000	210	1, 240	420	1, 080	1, 750	4, 670	128, 000	57, 600	9
18	18	...	...	27, 300	1, 875	.....	.....	.....	.....	.....	250	22, 846	11, 550	10
858	826	2	30	1, 717, 500	331, 239	.....	.....	39, 390	.....	374, 391	410, 561	3, 981, 316	1, 176, 811	11
528	528	...	...	1, 584, 211	204, 226	117, 617	493, 059	.....	.....	1, 795	494, 854	4, 977, 720	925, 700	12
437	424	...	13	1, 085, 904	161, 420	142, 392	193, 594	.....	.....	159, 328	352, 922	2, 898, 649	773, 493	13
159	153	...	6	171, 700	57, 980	36, 851	.....	25	125	29, 138	*83, 203	579, 970	187, 312	14
29	27	...	2	10, 000	8, 800	.....	.....	3, 050	5, 600	.....	5, 600	29, 936	20, 900	15
2	2	...	...	650	300	.....	.....	40	240	.....	240	1, 950	780	16
8	8	...	...	300	.....	.....	.....	105	400	.....	400	2, 063	1, 250	17
661	652	4	5	1, 631, 000	290, 800	167, 998	.....	.....	.....	.....	384, 855	4, 633, 750	1, 507, 605	18

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

SEWING-MACHINES.

	States.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.
	The United States	49	1,688	37	145	6	7,291	6,709	334	248
1	Connecticut	6	585	10	30	2	2,300	2,031	149	120
2	Illinois	1	.....	.....	.....	.....	2	2	.....	.....
3	Maryland	5	.....	.....	.....	.....	12	12	.....	.....
4	Massachusetts	6	250	5	30	1	1,033	1,000	12	12
5	New Jersey	1	.....	.....	.....	.....	5	4	.....	1
6	New York	12	692	11	85	3	3,131	2,882	167	82
7	Ohio	7	80	5	.....	.....	306	292	4	10
8	Oregon	1	.....	.....	.....	.....	2	2	.....	.....
9	Pennsylvania	8	60	4	.....	.....	325	320	2	3
10	Rhode Island	1	18	1	.....	.....	170	150	.....	20
11	Vermont	1	3	1	.....	.....	5	5	.....	.....

SILK.

	States.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	MACHINES. Looms.	MACHINES. Spoolers.	MACHINES. Winders.†	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.	CAPITAL. Dollars.	WAGES. Dollars.
	The United States	86	1,122	48	785	45	1,251	2,427	3,038	6,649	1,734	3,529	1,386	6,231,130	1,942,286
1	Connecticut	23	401	11	300	20	255	170	139	1,703	466	1,003	234	1,414,130	569,425
2	Massachusetts	9	75	6	90	7	5	84	520	453	97	286	70	412,000	154,300
3	New Hampshire	1	.....	.....	20	1	.....	4	2	15	5	10	.....	5,000	1,600
4	New Jersey‡	28	425	16	240	11	308	2,071	2,251	2,790	733	1,162	895	2,166,500	625,816
5	New York	14	135	8	121	5	216	69	63	739	154	413	172	800,500	262,345
6	Pennsylvania	10	86	7	.....	.....	467	27	61	936	266	655	15	1,429,000	326,400
7	Vermont	1	.....	.....	8	1	.....	2	2	13	13	.....	.....	4,000	2,400

STEEL.

	States.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	All hands.	CAPITAL. Dollars.	WAGES. Dollars.	MATERIALS. Pig-iron.	MATERIALS. Blooms.	MATERIALS. Bar-iron.	MATERIALS. Scrap-iron.
										Tons.	*Tons.*	*Tons.*	*Tons.*
	The United States	30	11,557	83	250	6	2,437	6,345,400	1,651,132	27,732	10,164	10,998	8,322
1	Connecticut	2	375	3	75	3	61	600,000	57,000	500	375	.....	171
2	Massachusetts	1	200	1	.....	.....	36	150,000	18,000	.....	500	.....	.....
3	New Jersey	4	940	7	40	1	293	500,000	190,000	800	585	3,770	350
4	New York	5	1,125	9	100	1	234	1,030,000	185,200	7,638	.....	1,100	110
5	Pennsylvania	18	8,917	63	35	1	1,813	4,065,400	1,200,932	18,794	8,704	6,128	7,691

* Repairs.

† Also *Looms, hand*, in New Jersey, 188; *Spindles*, in New Jersey, 8,840; in Pennsylvania, 3,200; total in the United States, 12,040; and *Braiders*, in Pennsylvania, 30.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

SEWING-MACHINES.

CAPITAL.	WAGES.	MATERIALS.	PRODUCTS.				
Dollars.	Dollars.	Dollars.	Sewing-machines.		All other products.*	All products.	
			Number.	*Dollars.*	*Dollars.*	*Dollars.*	
8, 759, 431	5, 142, 248	3, 055, 786	578, 919	13, 638, 706	458, 740	14, 097, 446	
2, 350, 000	1, 649, 246	1, 200, 335	203, 500	3, 479, 500	139, 500	3, 619, 000	1
300	550	300	.....	.....	2, 000	2, 000	2
1, 405	4, 500	1, 350	.....	.....	7, 300	7, 300	3
2, 677, 800	686, 432	641, 725	74, 647	1, 921, 510	5, 800	1, 927, 310	4
5, 000	2, 080	232	.....	.....	4, 500	4, 500	5
2, 727, 576	2, 189, 640	888, 066	243, 406	6, 656, 500	263, 640	6, 920, 140	6
171, 350	286, 200	94, 163	36, 916	718, 496	2, 200	720, 696	7
1, 500	300	300	.....	.....	1, 000	1, 000	8
721, 500	201, 300	188, 928	16, 450	672, 700	12, 800	685, 500	9
100, 000	120, 000	40, 000	3, 000	180, 000	20, 000	200, 000	10
3, 000	2, 000	387	1, 000	10, 000	.....	10, 000	11

SILK.

MATERIALS.					PRODUCTS.							
Raw silk.	Silk-yarn.	Chemicals.	Other materials.	All materials.	Silk goods.	Silk ribbon.	Machine-silk.	Spool-silk.	Silk-thread.	All other products.	All products.	
Pounds.	*Lbs.*	*Dollars.*	*Dolls.*	*Dollars.*	*Yards.*	*Yards.*	*Lbs.*	*Lbs.*	*Lbs.*	*Dollars.*	*Dollars.*	
684, 488	48, 456	209, 224	853, 796	7, 817, 559	1, 026, 422	3, 224, 264	370, 031	127, 590	19, 000	3, 880, 357	12, 210, 662	
175, 839	.....	81, 674	407, 727	2, 049, 834	636, 282	447, 664	145, 702	36, 790	.....	.....	3, 314, 845	1
101, 650	.....	46, 500	23, 900	937, 000	.....	160, 000	82, 800	68, 900	.....	.....	1, 402, 500	2
2, 000	.....	350	.....	14, 350	.....	.....	2, 000	.....	.....	.....	25, 000	3
259, 727	22, 440	43, 800	90, 555	2, 678, 161	352, 100	1, 294, 600	55, 529	13, 400	.....	2, 182, 784	3, 998, 964	4
111, 843	.....	.....	24, 805	1, 211, 385	.....	22, 000	77, 500	7, 500	.....	644, 573	1, 826, 073	5
32, 429	26, 016	36, 700	306, 664	919, 024	38, 040	1, 300, 000	6, 500	.....	19, 000	1, 053, 000	1, 632, 900	6
1, 000	.....	200	145	7, 805	.....	.....	.....	1, 000	.....	.....	10, 380	7

STEEL.

MATERIALS—Cont'd.			PRODUCTS.										
Coal.	All other materials.	All materials.	Puddled steel.		Blistered steel.		Bessemer steel.		Cast steel.		All other products.	All products.	
Tons.	*Dolls.*	*Dollars.*	*Tons.*	*Dolls.*	*Tons.*	*Dolls.*	*Tons.*	*Dollars.*	*Tons.*	*Dollars.*	*Dolls.*	*Dollars.*	
209, 488	654, 026	5, 166, 003	1, 185	218, 500	1, 100	230, 000	19, 403	1, 818, 220	28, 069	7, 286, 188	57, 078	9, 609, 926	
5, 000	1, 200	119, 050	.....	.....	.....	.....	.....	.....	1, 000	275, 000	.....	275, 000	1
1, 000	.....	60, 000	.....	.....	.....	.....	.....	.....	400	120, 000	13, 750	133, 750	2
16, 000	40, 000	573, 310	.....	.....	1, 000	200, 000	.....	.....	4, 703	1, 201, 778	.....	1, 401, 778	3
10, 039	19, 179	456, 712	.....	.....	100	30, 000	5, 903	413, 220	1, 345	391, 000	.....	834, 220	4
177, 449	593, 647	3, 956, 931	1, 185	218, 500	.....	.....	13, 500	1, 405, 000	20, 621	5, 298, 410	43, 328	6, 965, 238	5

‡ Two establishments, using 2 water-wheels of 4 horse-power, employing 42 females and 8 youths, and $12,000 capital, paying $11,020 wages, using $507,014 materials, producing $528,700, appearing on Table IX (B,) included in "Silk, sewing and twist," are excluded from this table, as they do not manufacture, but simply wind sewing-silk and twist.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

SUGAR AND MOLASSES, (CANE,) REFINED.

States.	Establishments.	STEAM-ENGINES.		HANDS EMPLOYED.				CAPITAL.	WAGES.
		Horse-power.	Number.	All.	Males above 16.	Females above 15.	Youth.	Dollars.	Dollars.
The United States	50	9,655	119	4,597	4,494	20	83	20,545,220	3,177,288
California	3	725	4	255	255	.....	.....	1,300,000	166,000
Louisiana	3	116	13	141	141	.....	.....	365,000	75,000
Maine	3	240	2	185	185	.....	.....	775,000	117,000
Maryland	4	1,250	7	437	432	.....	5	985,000	198,551
Massachusetts	4	900	14	460	460	.....	.....	2,200,000	226,848
Missouri	1	320	10	302	252	.....	50	2,000,000	175,000
New Jersey	3	517	4	404	404	.....	.....	645,000	272,000
New York	18	2,051	32	864	858	.....	6	6,375,000	1,229,956
Pennsylvania	15	3,011	25	1,241	1,240	.....	1	5,619,000	663,408
Rhode Island	2	437	5	153	152	.....	1	258,000	46,500
Texas	3	88	2	155	115	20	20	50,220	7,025

SUGAR AND MOLASSES, (CANE,) REFINED—Continued.

States.	MATERIALS.							
	Coal.	Fuel.	Molasses.		Sugar.		All other materials.	All materials.
	Tons.	*Dollars.*	*Gallons.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dollars.*	*Dollars.*
The United States	89,325	721,227	23,952,131	7,748,967	804,408,427	44,350,661	2,847,151	96,899,431
California	15,000	137,000	.....	.....	35,000,000	2,980,000	108,050	3,225,050
Louisiana	.....	.....	630,000	250,000	3,971,125	232,078	14,300	496,378
Maine	.....	.....	3,470,000	1,450,000	13,931,260	1,457,159	50,954	2,958,113
Maryland	.....	.....	1,324,121	473,480	52,398,951	5,784,959	136,130	6,394,569
Massachusetts	.....	312,300	.....	.....	62,479,008	6,632,095	.....	6,944,395
Missouri	.....	.....	60,000	.....	30,960,000	.....	200,000	3,667,000
New Jersey	.....	.....	1,267,597	507,599	100,000,000	9,000,000	539,145	10,046,744
New York	72,825	.....	5,416,000	.....	342,957,409	.....	977,700	37,247,730
Pennsylvania	.....	271,927	11,438,333	5,067,888	161,410,674	18,264,370	813,797	24,417,982
Rhode Island	1,500	.....	346,080	.....	1,300,000	.....	7,075	1,431,575
Texas	.....	.....	.....	.....	.....	.....	.....	69,895

SUGAR AND MOLASSES, (CANE,) REFINED—Continued.

States.	PRODUCTS.						
	Molasses, refined.		Sugar, refined.		Sirup, refined.		All products.
	Gallons.	*Dollars.*	*Pounds.*	*Dollars.*	*Gallons.*	*Dollars.*	*Dollars.*
The United States	839,560	425,762	754,010,951	52,132,069	18,168,279	7,810,066	108,941,911
California	.....	.....	28,176,618	3,519,660	572,711	384,385	3,904,045
Louisiana	810,000	405,000	1,758,900	238,085	.....	.....	643,085
Maine	.....	.....	19,027,376	2,533,907	847,062	608,225	3,142,132
Maryland	.....	.....	49,416,750	6,498,608	1,018,163	509,249	7,007,857
Massachusetts	.....	.....	50,971,600	6,218,175	1,723,945	1,447,310	7,665,485
Missouri	.....	.....	24,455,500	.....	547,000	.....	4,135,250
New Jersey	.....	.....	84,202,000	10,174,200	1,571,000	1,025,540	11,199,740
New York	.....	.....	297,749,314	.....	3,591,095	.....	42,837,184
Pennsylvania	.....	.....	186,365,593	22,895,650	8,052,863	3,835,357	26,731,016
Rhode Island	.....	.....	11,489,000	.....	244,440	.....	1,600,980
Texas	29,560	20,762	398,300	54,375	.....	.....	75,137

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

SUGAR AND MOLASSES, (CANE,) RAW.

States.	Establishments.	Steam-engines.	All hands.	Capital.	Wages.	Materials.	PRODUCTS.				
							Molasses.		Sugar.		All products.
				Dollars.	*Dollars.*	*Dollars.*	*Gallons.*	*Dollars.*	*Hhds.*	*Dollars.*	*Dollars.*
United States	713	599	21, 299	10, 248, 475	1, 230, 110	6, 069, 271	4, 368, 687	2, 265, 860	77, 317	8, 117, 508	10, 383, 368
Florida	27	2	143	8, 950	2, 640	16, 604	1, 500	750	407	40, 760	41, 510
Louisiana	686	597	21, 156	10, 239, 525	1, 227, 470	6, 052, 667	4, 367, 187	2, 265, 110	76, 910	8, 076, 748	10, 341, 858

TAR AND TURPENTINE.

States.	Establishments.	STEAM-ENGINES.		WATER-WHEELS.		HANDS EMPLOYED.				Capital.	Wages.	Materials.
		Horse-power.	Number.	Horse-power.	Number.	All.	Males above 16.	Females above 15.	Youth.			
										Dollars.	*Dollars.*	*Dollars.*
United States	227	177	26	15	1	2, 638	2, 526	81	31	902, 225	476, 284	2, 146, 090
Alabama	12	.....	.....	.....	.....	602	540	55	7	86, 200	120, 000	84, 155
Florida	2	3	1	.....	.....	18	18	.....	.....	16, 000	5, 000	9, 508
Georgia	4	20	1	.....	.....	138	133	2	3	63, 000	28, 000	39, 672
Louisiana	5	.....	.....	.....	.....	5	5	.....	.....	500	.....	900
Mississippi	1	.....	.....	.....	.....	27	20	7	.....	28, 000	6, 000	1, 500
Missouri	2	.....	.....	.....	.....	13	10	.....	3	31, 000	7, 900	35, 400
North Carolina	147	49	21	.....	.....	959	957	1	1	472, 100	184, 839	1, 552, 577
South Carolina	54	105	3	15	1	876	843	16	17	205, 425	123, 645	422, 378

TAR AND TURPENTINE—Continued.

States.	PRODUCTS.							
	Rosin.		Tar.		Turpentine.		All other products.	All products.
	Barrels.	*Dollars.*	*Barrels.*	*Dollars.*	*Barrels.*	*Dollars.*	*Dollars.*	*Dollars.*
United States	646, 243	1, 279, 699	12, 002	46, 828	6, 004, 887	2, 194, 498	64, 200	3, 585, 225
Alabama	53, 175	112, 150	.....	.....	409, 950	168, 053	.....	280, 203
Florida	5, 252	12, 488	2, 869	8, 508	8, 740	5, 120	.....	26, 116
Georgia	13, 840	35, 050	.....	.....	160, 400	60, 920	.....	95, 970
Louisiana	.....	.....	833	2, 500	.....	.....	.....	2, 500
Mississippi	1, 900	3, 750	.....	.....	12, 000	4, 800	.....	8, 550
Missouri	.....	.....	8, 000	35, 000	32, 000	8, 000	16, 500	59, 500
North Carolina	456, 131	861, 222	300	820	3, 799, 449	1, 428, 567	47, 700	2, 338, 309
South Carolina	115, 945	255, 039	.....	.....	1, 582, 348	519, 038	.....	774, 077

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

*TOBACCO, CIGARS.

	States and Territories.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.	CAPITAL. Dollars.	WAGES. Dollars.
	The United States.	4,631	16	2	30	1	26,049	21,409	2,615	2,025	11,368,516	9,098,709
1	Alabama	14	....	....	....	....	35	34	....	1	9,950	9,785
2	Arkansas	2	....	....	....	....	7	7	....	....	5,000	5,500
3	California	88	....	....	....	....	1,834	1,791	....	43	681,345	523,555
4	Connecticut	100	....	....	....	....	719	523	164	32	409,730	303,109
5	Delaware	17	....	....	....	....	130	65	33	32	56,750	40,203
6	District of Columbia	44	....	....	....	....	109	101	1	7	36,715	27,919
7	Florida	13	....	....	....	....	254	254	....	....	257,500	204,910
8	Georgia	15	....	....	....	....	58	47	8	3	40,000	15,655
9	Illinois	237	....	....	....	....	1,025	873	33	119	1,047,070	345,269
10	Indiana	133	....	....	....	....	670	607	16	47	253,565	235,078
11	Iowa	71	....	....	....	....	319	289	5	25	152,050	117,983
12	Kansas	27	....	....	....	....	135	120	1	14	66,100	62,405
13	Kentucky	70	....	....	....	....	389	344	5	40	197,380	140,503
14	Louisiana	42	....	....	....	....	272	268	....	4	58,900	112,344
15	Maine	12	....	....	....	....	74	57	16	1	27,000	29,286
16	Maryland	269	....	....	....	....	1,034	924	51	59	409,100	304,503
17	Massachusetts	128	....	....	....	....	968	740	216	12	447,085	426,044
18	Michigan	99	....	....	....	....	581	501	24	56	225,202	214,575
19	Minnesota	14	....	....	....	....	57	55	....	2	38,400	19,546
20	Missouri	318	....	....	....	....	1,417	1,192	16	209	586,660	011,867
21	Nebraska	12	....	....	....	....	43	39	....	4	29,400	28,416
22	New Hampshire	12	....	....	....	....	69	54	15	....	31,675	26,390
23	New Jersey	185	10	1	30	1	663	562	43	58	296,980	187,442
24	New York	1,072	....	....	....	....	5,710	4,951	339	420	2,704,135	2,494,310
25	North Carolina	1	....	....	....	....	1	1	....	....	50	....
26	Ohio	406	6	1	....	....	2,499	2,053	137	309	826,369	769,937
27	Oregon	2	....	....	....	....	8	8	....	....	4,200	3,700
28	Pennsylvania	975	....	....	....	....	5,775	3,959	1,411	405	1,966,395	1,460,359
29	Rhode Island	34	....	....	....	....	178	118	56	4	54,900	50,145
30	South Carolina	1	....	....	....	....	15	15	....	....	10,000	6,500
31	Tennessee	8	....	....	....	....	27	27	....	....	15,500	14,970
32	Texas†	17	....	....	....	....	44	36	4	4	8,530	8,459
33	Vermont	7	....	....	....	....	42	38	2	2	31,350	25,800
34	Virginia	35	....	....	....	....	114	103	1	10	29,425	30,590
35	West Virginia	42	....	....	....	....	177	144	12	21	40,875	67,899
36	Wisconsin	109	....	....	....	....	597	509	6	82	308,230	173,694

* Under the general head of Tobacco in Table VIII (B) appear three specifications: "Tobacco and cigars;" "Tobacco, chewing and smoking, and snuff;" "Tobacco, cigars." For the purpose of Table X, the first class has been divided between the two remaining classes, so that the total production under the head of Tobacco, in Table X, is accounted for under the two heads of "Tobacco" and "Cigars."

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

TOBACCO, CIGARS.

MATERIALS.				PRODUCTS.				
Tobacco-leaf.		All other materials.	All materials.	Cigars.		All other products.	All products.	
Pounds.	*Dollars.*	*Dollars.*	*Dollars.*	*Thousands.*	*Dollars.*	*Dollars.*	*Dollars.*	
26, 008, 463	12, 500, 530	459, 004	13, 047, 370	935, 268	28, 299, 067	21, 467	33, 373, 685	
23, 230	9, 290	.....	9, 290*	864	33, 850	.....	33, 850	1
6, 000	3, 200	.....	3, 200	325	.....	.....	14, 000	2
1, 550, 240	762, 473	15, 953	778, 426	48, 812	1, 909, 917	.....	1, 909, 917	3
667, 868	429, 608	12, 055	441, 663	28, 435	.....	.....	1, 133, 665	4
134, 832	42, 666	2, 510	45, 176	5, 482	.....	.....	131, 578	5
69, 607	34, 758	825	35, 583	2, 669	.....	.....	96, 550	6
232, 400	98, 340	500	98, 840	8, 530	.....	.....	572, 350	7
57, 639	29, 388	387	29, 775	1, 980	.....	.....	110, 800	8
958, 809	532, 942	14, 887	547, 829	36, 412	1, 346, 347	1, 900	1, 348, 247	9
608, 681	288, 563	5, 751	294, 314	20, 355	.....	.....	793, 581	10
239, 524	148, 401	7, 629	154, 845	9, 208	.....	4, 000	377, 773	11
122, 988	81, 491	2, 315	83, 806	4, 891	.....	.....	223, 800	12
316, 991	185, 730	1, 913	187, 643	13, 015	.....	.....	449, 336	13
515, 782	122, 043	5, 000	127, 043	14, 785	.....	.....	417, 010	14
61, 704	47, 477	1, 298	48, 775	2, 770	.....	.....	91, 447	15
858, 955	405, 500	7, 237	412, 737	34, 524	1, 114, 988	.....	1, 114, 988	16
1, 243, 071	674, 971	42, 560	717, 531	43, 074	1, 594, 553	2, 948	1, 597, 501	17
553, 642	389, 346	2, 947	392, 293	21, 298	931, 736	420	932, 156	18
55, 000	.....	1, 350	30, 260	1, 399	.....	.....	72, 880	19
1, 351, 067	775, 291	41, 904	817, 195	47, 157	2, 084, 093	.....	2,-084, 093	20
115, 394	59, 163	1, 376	60, 539	2, 386	.....	294	109, 734	21
48, 059	.....	2, 451	32, 037	1, 978	.....	.....	79, 521	22
634, 271	337, 171	16, 246	353, 417	24, 263	826, 029	.....	826, 029	23
6, 102, 510	3, 610, 077	88, 981	3, 699, 058	205, 174	9, 258, 722	5, 800	9, 264, 522	24
800	.....	.....	400	40	.....	.....	1, 000	25
2, 671, 134	943, 865	72, 395	1, 016, 260	83, 930	2, 766, 868	.....	2, 766, 868	26
3, 600	2, 700	100	2, 800	180	.....	.....	6, 850	27
5, 337, 133	1, 904, 439	90, 119	1, 994, 558	211, 919	5, 319, 748	500	5, 320, 248	28
127, 614	83, 796	8, 559	92, 355	5, 360	.....	.....	197, 445	29
9, 000	7, 000	.....	7, 000	4, 000	.....	.....	25, 000	30
34, 296	.....	400	30, 525	1, 470	.....	.....	65, 325	31
22, 220	9, 675	325	10, 000	597	25, 765	5, 370	31, 135	32
61, 291	42, 928	250	43, 178	1, 942	.....	.....	87, 800	33
83, 587	41, 756	960	42, 716	3, 381	118, 606	.....	118, 606	34
501, 045	68, 501	2, 410	70, 911	21, 840	272, 813	235	273, 048	35
628, 479	327, 981	7, 411	335, 392	21, 423	695, 032	.....	695, 032	36

This change involved the separation of the cigars produced in establishments whose main productions consisted of chewing or smoking tobacco. Thus the aggregate of the two classes, as by Table X, agree with the aggregate of the three classes, as by Table VIII (B.)

† Includes 8 establishments manufacturing cigarettes in Cameron County.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

*TOBACCO, CHEWING AND SMOKING, AND SNUFF.

	States.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power	WATER-WHEELS. Number.	HANDS EMPLOYED. All.	HANDS EMPLOYED. Males above 16.	HANDS EMPLOYED. Females above 15.	HANDS EMPLOYED. Youth.	CAPITAL. Dollars.	WAGES. Dollars.	MATERIALS. Tobacco, leaf. Pounds.	MATERIALS. Tobacco, leaf. Dollars.
	United States	573	2,672	176	372	25	21,799	10,588	5,179	6,032	13,555,814	5,216,633	106,062,313	13,009,032
1	Arkansas	2	.....	...	.....	....	7	4	1	2	6,500	400	25,500	3,000
2	California	3	53	3	.....	....	24	14	4	6	28,000	11,200	99,000	21,800
3	Connecticut	3	7	2	5	1	15	11	1	3	8,500	4,600	26,490	6,055
4	Delaware	2	10	1	50	4	27	27	.....	.....	210,000	12,085	943,126	109,544
5	Georgia	5	.....	...	.....	....	196	93	40	63	78,700	76,592	1,009,213	189,403
6	Illinois	37	240	13	.....	....	1,659	753	258	648	917,550	436,475	9,782,860	1,294,400
7	Indiana	15	14	2	.....	....	147	84	33	30	134,700	39,165	1,507,703	122,328
8	Iowa	3	32	2	.....	....	104	56	16	32	102,500	33,500	375,000	53,000
9	Kentucky	32	174	11	.....	....	900	400	159	341	662,691	212,752	5,233,412	620,368
10	Louisiana	6	24	5	.....	....	86	74	.....	12	131,500	32,805	478,000	75,700
11	Maryland	15	172	9	.....	....	353	148	150	55	500,900	85,282	2,235,750	214,427
12	Massachusetts	8	.....	...	30	2	82	44	34	4	60,800	33,800	136,631	10,955
13	Michigan	15	209	13	.....	....	675	259	225	191	1,076,000	227,355	4,407,306	952,904
14	Mississippi	1	.....	...	.....	....	7	3	1	3	200	100	500	600
15	Missouri	65	244	13	.....	....	1,971	888	382	701	2,444,700	874,860	9,593,591	3,752,374
16	New Jersey	9	46	3	118	7	214	165	27	22	418,000	80,550	1,103,099	262,428
17	New York	51	776	38	70	5	4,533	1,677	1,725	1,131	3,521,911	1,256,560	24,613,432	517,421
18	North Carolina	110	.....	...	.....	....	1,464	762	332	370	375,832	102,144	3,371,553	.....
19	Ohio	46	260	22	19	3	1,220	503	376	341	661,130	334,310	7,149,742	1,438,697
20	Pennsylvania	30	94	10	20	1	454	211	88	155	551,400	131,430	2,062,988	226,376
21	Tennessee	10	.....	...	.....	....	46	32	6	8	26,700	4,550	432,275	.....
22	Texas	1	.....	...	.....	....	12	10	.....	2	4,200	630	13,500	1,600
23	Virginia	96	239	25	60	2	7,420	4,262	1,311	1,847	1,362,500	1,150,828	29,413,584	3,524,395
24	West Virginia	3	.....	...	.....	....	21	15	.....	6	5,900	1,660	11,838	1,795
25	Wisconsin	5	78	4	.....	....	162	93	10	59	265,000	73,000	2,035,320	209,462

* Under the general head of Tobacco in Table VIII (B) appear three specifications: "Tobacco and cigars;" "Tobacco, chewing and smoking, and snuff;" "Tobacco, cigars." For the purposes of Table X, the first class has been divided between the two remaining classes, so that the total production under the head of Tobacco, in Table X, is accounted for under the two heads of "Tobacco" and "Cigars." This change involved the separation of the cigars produced in establishments whose main productions consisted of chewing or smoking tobacco. Thus the aggregate of the two classes, as by Table X, agree with the aggregate of the three classes, as by Table VIII (B.)

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

TOBACCO, CHEWING AND SMOKING, AND SNUFF.

MATERIALS—Con'd.		PRODUCTS.								
All other materials.	All materials.	Tobacco, chewing.		Tobacco, smoking.		† Snuff.		All other products.	All products.	
Dollars.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	*Dolls.*	*Dollars.*	
2,966,004	21,609,237	66,705,769	28,942,472	‡24,762,211	7,431,999	‡2,867,191	954,884	15,600	38,388,359	
.....	.....	.....	.....	.....	.....	.....	.....	.....	5,800	1
600	3,600	15,800	5,800	.....	.....	.....	.....	2,200	57,800	2
6,855	28,655	48,000	48,000	20,000	7,600	.....	.....	.....	14,829	3
.....	6,055	9,445	6,112	10,934	8,217	.....	.....	.....	138,718	4
1,235	110,779	.....	.....	18,000	5,400	701,676	133,318	.....	365,074	5
12,126	201,529	780,874	364,261	4,063	813	.....	.....	.....	2,971,469	6
204,693	1,499,093	3,786,134	1,477,044	4,453,540	1,478,716	1,145	234	6,475	354,734	7
64,785	187,113	307,205	259,270	147,913	22,074	.....	.....	.....	142,600	8
6,510	59,510	247,000	106,600	158,000	36,000	.....	.....	.....	1,647,669	9
205,787	826,155	3,798,660	1,445,039	35,000	8,820	.....	.....	.....	161,880	10
2,620	78,320	.....	.....	445,200	155,080	16,000	6,800	.....	657,269	11
37,115	251,542	152,659	58,587	1,856,433	529,203	251,450	69,479	.....	73,431	12
8,952	19,907	27,804	25,631	73,225	21,657	65,900	26,143	.....	1,640,367	13
103,108	1,056,012	2,202,414	1,161,636	2,015,046	473,694	10,174	5,037	.....	1,050	14
66	666	3,500	1,050	.....	.....	.....	.....	.....	8,331,511	15
716,426	4,468,800	6,735,362	6,209,593	3,300,938	1,967,018	223,900	154,000	.....	459,200	16
8,977	271,405	411,800	262,450	315,700	94,400	293,700	102,350	.....	9,676,136	17
893,117	6,064,568	15,506,408	8,195,219	5,788,706	1,132,017	1,114,350	345,498	.....	717,765	18
25,706	390,627	2,217,453	645,299	239,904	72,446	.....	.....	.....	2,540,723	19
90,182	1,528,879	4,534,946	2,085,056	2,048,729	440,467	30,200	15,200	.....	914,245	20
61,847	288,223	1,061,645	.....	729,106	238,173	158,696	96,825	.....	44,800	21
.....	15,250	55,872	.....	775	400	.....	.....	.....	3,600	22
.....	1,600	9,000	3,600	.....	.....	.....	.....	.....	6,936,164	23
515,070	4,039,465	24,324,628	6,319,735	1,572,499	469,454	.....	.....	6,925	4,525	24
227	2,022	2,700	1,890	3,500	2,450	.....	.....	.....	527,000	25
.....	209,462	467,000	260,000	1,525,000	267,000	.....	.....	.....		

† Also, *Tobacco, stemmed, strips, and dried-leaf:* United States, 2,497,600 pounds, $279,000; Indiana, 944,600 pounds, $73,390; Kentucky, 1,451,000 pounds, $193,810; Tennessee, 102,000 pounds, $11,800.

‡ The amounts of tobacco and snuff paying duty under the internal revenue acts, during the fiscal year ended June 30, 1870, were as follows: Of snuff, 1,168,070 pounds; of tobacco, chewing and other, 29,120,005 pounds. These amounts are inclusive of the quantities of the several articles imported, which were, for the same fiscal year—of snuff, 16,767 pounds; of tobacco, 5,981,863 pounds; leaving the amounts manufactured in the United States as follows: of snuff, 1,151,303 pounds; of tobacco, 83,138,142 pounds. The returns of the census for the year ended May 31, 1870, as will be seen above, exhibit a production of snuff, 2,867,191 pounds; of tobacco, 93,965,520 pounds.

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

WOOLEN GOODS.

	States and Territories.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	MACHINES. Cards.	MACHINES. Daily capacity in carded wool.	MACHINES. Broad looms.	MACHINES. Narrow looms.	MACHINES. Spindles.
							Sets.	*Pounds.*	*No.*	*No.*	*Number.*
	The United States	2,801	35,960	1,051	59,332	2,092	8,366	857,392	14,039	20,144	1,845,496
1	Alabama	14	12	1	160	10	24	1,836	.....	2	530
2	Arkansas	13	75	5	22	3	17	1,448	.....	.....	.....
3	California	5	435	6	40	1	46	8,000	163	22	3,880
4	Connecticut	108	2,258	32	6,148	131	660	70,085	1,190	1,703	178,470
5	Delaware	11	130	3	275	11	36	2,475	53	174	8,756
6	Florida	1	2	.....	.....	.....	1	50	.....	.....	.....
7	Georgia	46	86	2	908	48	72	5,454	6	389	14,465
8	Illinois	100	2,437	91	483	21	256	21,302	216	423	36,888
9	Indiana	175	2,977	112	1,244	60	346	32,467	232	948	57,083
10	Iowa	85	1,126	45	1,037	39	199	19,482	133	241	31,402
11	Kansas	9	200	6	20	1	24	1,270	9	20	1,616
12	Kentucky	125	1,651	65	247	23	208	17,768	34	288	10,509
13	Louisiana	2	50	.....	.....	.....	12	800	20	80	4,000
14	Maine	107	140	2	4,453	124	331	33,020	962	199	65,249
15	Maryland	31	50	2	468	31	60	4,158	57	91	12,348
16	Massachusetts	185	5,421	94	12,270	243	1,367	159,484	4,469	3,374	470,785
17	Michigan	54	619	22	660	37	116	11,430	74	158	15,650
18	Minnesota	10	21	2	266	6	19	2,105	17	22	2,664
19	Mississippi	11	169	4	42	4	17	1,405	.....	30	344
20	Missouri	156	1,674	67	333	26	258	21,162	68	115	10,371
21	New Hampshire	77	583	9	4,879	116	351	41,550	909	690	117,057
22	New Jersey	29	627	15	474	26	81	10,700	182	421	23,457
23	New Mexico	1	.....	.....	50	1	1	100	4	1	240
24	New York	232	2,040	38	7,405	270	845	84,470	1,344	1,127	162,540
25	North Carolina	52	84	3	334	39	78	5,698	11	86	2,806
26	Ohio	223	2,960	122	1,962	112	331	28,376	300	752	52,789
27	Oregon	9	.....	.....	360	9	21	3,955	65	25	4,390
28	Pennsylvania	457	5,679	192	5,030	269	1,317	140,362	2,226	6,394	316,877
29	Rhode Island	65	2,175	28	3,288	70	474	64,639	652	1,710	157,059
30	South Carolina	15	3	.....	166	13	25	1,458	2	7	350
31	Tennessee	148	481	32	773	78	177	10,307	20	60	3,614
32	Texas	20	134	7	6	.....	29	1,855	14	16	1,070
33	Utah	15	.....	.....	137	13	19	1,475	11	20	1,420
34	Vermont	65	630	8	2,270	84	175	18,070	379	291	47,710
35	Virginia	68	32	2	1,132	66	116	8,011	61	76	6,236
36	West Virginia	74	599	22	732	48	132	10,152	50	70	6,387
37	Wisconsin	64	340	12	1,238	59	134	11,013	112	110	16,445

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

WOOLEN GOODS.

HANDS EMPLOYED.				CAPITAL.	WAGES.	MATERIALS.					
All.	Males above 16.	Females above 15.	Youth.	Dollars.	Dollars.	Cotton.	Shoddy.	Warp, cotton.	Warp.	Wool, domestic.	
						Pounds.	*Pounds.*	*Yards.*	*Pounds.*	*Pounds.*	
80, 053	42, 738	27, 682	9, 643	98, 824, 531	26, 877, 575	17, 571, 929	19, 372, 062	1, 312, 560	140, 733	154, 767, 095	
41	38	1	2	22, 375	4, 881	2, 000	.....	.....	.....	196, 500	1
31	29	.....	2	32, 500	6, 870	.....	.....	.....	.....	115, 330	2
659	584	31	44	1, 785, 000	230, 200	100, 000	1, 800	.....	.....	1, 928, 000	3
7, 297	4, 257	2, 381	659	12, 496, 000	2, 860, 370	2, 138, 911	2, 398, 417	.....	.....	15, 798, 545	4
399	186	110	103	384, 500	115, 137	185, 000	96, 930	.....	.....	533, 732	5
1	1	.....	.....	500	.....	.....	.....	.....	.....	550	6
563	251	191	121	936, 585	122, 138	165, 000	.....	.....	.....	620, 937	7
1, 736	1, 040	468	228	2, 962, 443	535, 185	151, 650	.....	.....	.....	3, 560, 829	8
2, 469	1, 450	711	308	3, 891, 913	726, 113	513, 595	.....	.....	.....	4, 949, 461	9
1, 088	685	293	110	1, 440, 484	269, 432	23, 148	1, 225	.....	.....	2, 273, 428	10
91	56	24	11	96, 000	30, 682	1, 300	.....	.....	.....	200, 000	11
683	454	137	92	700, 449	159, 373	275, 250	.....	.....	.....	1, 639, 367	12
29	22	3	4	34, 000	8, 900	1, 500	.....	.....	.....	50, 325	13
3, 042	1, 582	1, 250	210	4, 167, 745	1, 047, 151	669, 363	.....	.....	.....	7, 338, 501	14
327	247	67	13	205, 245	82, 019	37, 885	1, 000	.....	.....	500, 291	15
20, 550	10, 761	7, 439	2, 350	20, 633, 400	7, 298, 302	2, 813, 449	5, 994, 110	.....	.....	37, 146, 190	16
667	408	208	51	1, 011, 050	202, 813	3, 550	.....	.....	.....	1, 391, 889	17
146	77	60	9	246, 600	45, 592	.....	.....	.....	.....	254, 857	18
116	34	31	51	195, 250	28, 800	32, 700	.....	.....	.....	154, 790	19
718	548	85	85	716, 524	137, 408	25, 500	.....	.....	.....	1, 979, 671	20
3, 750	1, 832	1, 549	369	4, 616, 100	1, 355, 147	1, 079, 120	1, 380, 000	1, 312, 560	.....	8, 785, 882	21
1, 094	524	402	168	1, 171, 200	334, 642	247, 398	27, 000	.....	102, 893	2, 191, 178	22
20	20	.....	.....	65, 000	2, 000	.....	4, 000	.....	.....	50, 000	23
8, 812	4, 498	2, 999	1, 315	10, 087, 282	2, 834, 326	624, 877	452, 990	.....	22, 135	16, 146, 873	24
249	151	81	17	237, 800	39, 101	10, 000	.....	.....	.....	355, 693	25
2, 243	1, 340	669	234	3, 010, 969	559, 414	175, 464	.....	.....	.....	3, 910, 034	26
179	129	8	42	389, 200	112, 213	.....	.....	.....	.....	943, 400	27
12, 764	5, 825	5, 066	1, 873	14, 238, 835	4, 373, 628	6, 989, 201	7, 866, 861	.....	.....	21, 349, 389	28
6, 363	3, 354	2, 198	811	8, 167, 500	2, 228, 402	1, 090, 139	919, 000	.....	.....	12, 249, 720	29
53	32	13	8	25, 900	3, 815	1, 300	700	.....	.....	55, 696	30
428	342	61	25	373, 868	62, 780	101, 449	2, 062	.....	4, 200	1, 030, 153	31
100	80	16	4	97, 250	20, 278	.....	.....	.....	.....	278, 045	32
106	58	39	9	223, 400	48, 040	8, 320	.....	.....	.....	276, 000	33
1, 870	930	751	189	2, 317, 900	644, 524	77, 600	225, 967	.....	.....	3, 470, 667	34
278	190	56	32	435, 375	58, 705	27, 260	.....	.....	.....	741, 000	35
316	207	79	30	236, 100	59, 828	.....	.....	.....	7, 170	673, 003	36
775	506	205	64	1, 242, 289	229, 306	.....	.....	.....	4, 335	1, 627, 169	37

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

WOOLEN GOODS—Continued.

	States and Territories.	MATERIALS—Continued.						PRODUCTS.	
		Wool, foreign.	Yarn, cotton.	Yarn, woolen.	Chemicals and dye-stuffs.	All other materials.	All materials.	Blankets.	Blankets, horse.
		Pounds.	*Pounds.*	*Pounds.*	*Dollars.*	*Dollars.*	*Dollars.*	*Pairs.*	*No.*
	United States	17,311,824	3,263,949	2,573,419	5,833,346	5,670,250	96,432,601	2,000,439	58,552
1	Alabama	.....	.....	.....	.....	350	57,338	.....	.....
2	Arkansas	.....	.....	.....	.....	800	55,782	.....	.....
3	California	.....	.....	.....	55,481	32,175	608,141	80,930	.....
4	Connecticut	3,025,272	.....	.....	566,679	751,947	11,020,825	124,476	18,759
5	Delaware	12,455	.....	.....	19,248	53,564	392,614	70	.....
6	Florida	.....	.....	.....	.....	.....	150	.....	.....
7	Georgia	.....	.....	.....	275	18,156	268,176	.....	.....
8	Illinois	.....	.....	.....	109,279	87,907	1,701,323	44,454	.....
9	Indiana	80,157	.....	.....	168,728	109,369	2,084,315	56,838	.....
10	Iowa	.....	.....	.....	72,107	46,280	998,073	17,080	.....
11	Kansas	.....	.....	.....	4,380	11,160	86,105	4,500	.....
12	Kentucky	.....	.....	.....	24,815	28,777	831,628	4,223	.....
13	Louisiana	.....	.....	.....	250	900	19,047	.....	.....
14	Maine	382,727	.....	.....	269,842	220,830	3,958,759	174,650	14,000
15	Maryland	450	.....	.....	9,145	4,940	233,924	5,548	160
16	Massachusetts	7,201,248	.....	.....	1,871,127	1,707,296	24,876,318	403,785	.....
17	Michigan	.....	.....	.....	32,107	23,848	659,700	615	.....
18	Minnesota	.....	.....	.....	8,474	3,755	108,540	3,594	.....
19	Mississippi	.....	.....	.....	500	5,226	79,506	.....	.....
20	Missouri	.....	.....	.....	16,818	24,233	849,313	6,908	.....
21	New Hampshire	792,433	.....	.....	451,897	163,977	5,310,622	184,800	.....
22	New Jersey	92,240	.....	300	55,610	91,262	1,215,016	1,255	1,000
23	New Mexico	.....	.....	.....	1,975	.....	12,775	1,750	.....
24	New York	898,447	102,682	24,360	448,653	655,171	8,535,316	110,555	24,642
25	North Carolina	.....	.....	.....	5,681	6,059	166,497	.....	.....
26	Ohio	62,200	.....	4,500	122,542	110,045	1,968,629	32,118	.....
27	Oregon	.....	.....	.....	9,845	6,298	227,595	27,960	.....
28	Pennsylvania	3,214,850	3,161,267	2,544,259	955,800	459,479	17,457,913	699,766	.....
29	Rhode Island	412,247	.....	.....	388,850	851,102	8,089,948	.....	.....
30	South Carolina	.....	.....	.....	550	140	22,238	450	.....
31	Tennessee	.....	.....	.....	4,008	10,682	503,737	2,987	.....
32	Texas	.....	.....	.....	1,400	1,425	86,817	2,800	.....
33	Utah	.....	.....	.....	1,350	2,221	98,272	1,105	.....
34	Vermont	1,120,080	.....	.....	87,329	156,197	1,937,370	100	.....
35	Virginia	1,200	.....	.....	11,974	.....	317,800	827	.....
36	West Virginia	.....	.....	.....	7,932	5,115	307,051	3,005	.....
37	Wisconsin	14,218	.....	.....	48,695	19,564	685,368	3,290	.....

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

WOOLEN GOODS—Continued.

PRODUCTS—Continued.										
Beavers.	Cloth, cassimeres, and doeskins.	Cloth, felted.	Cloths, negro.	Cottonade.	Coverlids.	Flannels.	Frocking.	Hosiery.	Jeans.	
Yards.	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*No.*	*Yards.*	*Yards.*	*Dozens.*	*Yards.*	
261, 208	63, 340, 612	1, 941, 865	1, 932, 382	25, 000	226, 744	58, 965, 286	75, 000	21, 460	24, 489, 985	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	231, 260	.....	.....	.....	.....	278, 501	.....	4, 000	.....	3
.....	10, 637, 028	731, 065	.....	.....	.....	1, 563, 000	.....	.....	1, 280, 000	4
.....	276, 332	.....	.....	.....	.....	750	.....	.....	590, 000	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
.....	119, 574	.....	.....	.....	.....	.....	.....	.....	177, 155	7
.....	663, 498	.....	.....	.....	.....	1, 219, 642	.....	410	813, 573	8
.....	727, 504	.....	18, 000	.....	.....	1, 672, 774	.....	.....	2, 193, 086	9
.....	483, 199	.....	.....	.....	.....	509, 044	.....	.....	106, 959	10
.....	22, 380	.....	.....	.....	.....	19, 000	.....	.....	28, 380	11
.....	41, 585	2, 000	.....	.....	.....	63, 232	.....	.....	1, 244, 578	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
261, 208	1, 983, 656	1, 500	.....	.....	.....	2, 019, 729	.....	.....	.....	14
.....	64, 490	2, 500	.....	.....	.....	31, 327	.....	.....	4, 610	15
.....	21, 819, 879	285, 000	.....	.....	.....	22, 321, 684	.....	.....	.....	16
.....	668, 468	.....	.....	.....	.....	253, 028	.....	.....	1, 400	17
.....	105, 096	.....	.....	.....	.....	74, 100	.....	.....	.....	18
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
.....	94, 610	.....	.....	.....	.....	171, 200	.....	.....	137, 920	20
.....	2, 481, 416	184, 200	.....	.....	.....	13, 141, 565	75, 000	16, 000	.....	21
.....	1, 385, 668	1, 500	.....	.....	.....	634, 746	.....	.....	126, 652	22
.....	1, 500	.....	.....	.....	.....	2, 000	.....	.....	2, 000	23
.....	6, 427, 758	680, 000	.....	.....	.....	2, 175, 078	.....	.....	15, 000	24
.....	100, 000	.....	.....	.....	.....	1, 690	.....	.....	153, 452	25
.....	469, 403	.....	.....	.....	.....	1, 464, 832	.....	.....	993, 926	26
.....	148, 095	.....	.....	.....	.....	334, 300	.....	.....	.....	27
.....	3, 938, 277	54, 100	200, 000	.....	226, 744	6, 809, 565	.....	1, 050	14, 171, 662	28
.....	7, 483, 598	.....	1, 714, 382	75, 000	.....	1, 625, 000	.....	.....	2, 187, 156	29
.....	.....	.....	.....	.....	.....	.....	.....	.....	13, 000	30
.....	4, 158	.....	.....	.....	.....	3, 919	.....	.....	145, 692	31
.....	10, 100	.....	.....	.....	.....	.....	.....	.....	.....	32
.....	11, 000	.....	.....	.....	.....	58, 650	.....	.....	4, 000	33
.....	1, 978, 007	.....	.....	.....	.....	2, 018, 533	.....	.....	.....	34
.....	276, 610	.....	.....	.....	.....	19, 235	.....	.....	3, 000	35
.....	59, 623	.....	.....	.....	.....	135, 445	.....	.....	89, 306	36
.....	625, 940	.....	.....	.....	.....	343, 627	.....	.....	7, 478	37

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

WOOLEN GOODS—Continued.

	States and Territories.	Products—Continued.						
		Kerseys.	Linseys.	Repellants.	Robes, carriage.	Rolls.	Satinets.	Shawls.
		Yards.	*Yards.*	*Yards.*	*No.*	*Pounds.*	*Yards.*	*Number.*
	The United States	5,506,902	14,130,274	2,663,767	22,500	8,683,069	14,072,559	2,312,761
1	Alabama	8,500				67,910		
2	Arkansas					103,400		
3	California							
4	Connecticut		960,000			8,530	4,093,967	160,718
5	Delaware	96,000				10,000		
6	Florida					500		
7	Georgia	444,200				220,686		
8	Illinois		7,425			410,800	15,652	22,353
9	Indiana	18,600	26,290			474,318	183,977	100
10	Iowa	2,200	6,800			350,696	44,750	380
11	Kansas					56,300		
12	Kentucky		47,712			757,227	1,500	112
13	Louisiana					22,500		
14	Maine	30,900		1,707,767	22,500	530,961		33,300
15	Maryland	380,400	3,980				16,720	
16	Massachusetts	9,000				23,500	7,701,880	525,435
17	Michigan	4,000	200			211,600	16,300	60
18	Minnesota					36,000		
19	Mississippi	6,000	152,891					
20	Missouri		21,500			1,169,499	5,350	4,000
21	New Hampshire	1,001,000				110,075	720,507	
22	New Jersey			384,000		19,000	171,823	
23	New Mexico							
24	New York	44,093	16,000			739,676	361,800	505,023
25	North Carolina		22,971			198,688		
26	Ohio	4,150	19,160			554,518	273,219	15,000
27	Oregon					23,320		
28	Pennsylvania	1,648,375	10,718,994	400,000		549,213	181,589	670,680
29	Rhode Island	1,058,725	1,991,258	54,000		5,400	220,000	100,000
30	South Carolina					39,238		
31	Tennessee		23,167			750,900	5,000	400
32	Texas	87,500	7,500			156,290		
33	Utah	2,000	17,000			87,370		
34	Vermont			112,000		127,936	75	180,000
35	Virginia	37,050	32,175			269,086	42,850	
36	West Virginia	23,000	54,751			224,745		
37	Wisconsin		500			374,187	15,600	35,200

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

WOOLEN GOODS—Continued.

Products—Continued.										
Skirts, balmoral.	Skirts, balmoral.	Tweeds and twills.	Warp.	Yarn.	Yarn, hosiery.	Yarn, shoddy.	Goods not specified.	Miscellaneous articles.	All products.	
Yards.	*Dollars.*	*Yards.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Yards.*	*Dollars.*	*Dollars.*	
280,000	1,217,800	2,853,458	122,000	14,156,237	223,000	1,569,000	162,000	3,251,368	155,405,358	
.....	.....	.....	.....	107,800	.....	.....	.....	.....	89,998	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	78,690	2
.....	.....	.....	.....	.....	.....	.....	.....	129,342	1,102,754	3
.....	.....	650,000	.....	461,550	.....	.....	.....	166,960	17,371,048	4
.....	.....	.....	122,000	20,500	.....	.....	.....	921	576,067	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	500	6
.....	.....	.....	.....	40,000	.....	.....	.....	.....	471,523	7
.....	.....	29,909	.....	549,088	.....	.....	.....	50,303	2,849,249	8
.....	.....	38,540	.....	709,517	.....	.....	.....	94,209	4,329,711	9
.....	.....	.....	.....	339,485	.....	.....	.....	5,009	1,647,606	10
.....	.....	.....	.....	40,000	.....	.....	.....	.....	153,150	11
.....	.....	.....	.....	21,440	.....	.....	.....	12,625	1,312,458	12
.....	.....	.....	.....	.....	.....	.....	.....	15,795	30,795	13
.....	.....	.....	.....	8,600	.....	.....	.....	53,685	6,398,881	14
.....	.....	.....	.....	72,100	.....	.....	.....	.....	427,596	15
280,000	.....	808,920	.....	1,235,161	.....	.....	.....	192,944	39,502,542	16
.....	.....	13,000	.....	78,174	.....	.....	.....	16,152	1,204,868	17
.....	.....	.....	.....	9,350	.....	.....	.....	7,489	219,862	18
.....	.....	.....	.....	2,087	.....	.....	.....	8,100	147,323	19
.....	.....	5,000	.....	289,525	.....	.....	.....	3,764	1,256,213	20
.....	.....	32,000	.....	485,600	.....	.....	.....	27,130	8,766,104	21
.....	.....	.....	.....	187,100	.....	.....	.....	13,664	1,903,825	22
.....	.....	.....	.....	.....	.....	.....	.....	1,500	21,060	23
.....	.....	96,000	.....	561,033	.....	.....	162,000	1,430,639	14,394,786	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	298,638	25
.....	.....	119,340	.....	689,706	.....	.....	.....	56,664	3,287,699	26
.....	.....	18,000	.....	1,000	.....	.....	.....	.....	505,857	27
.....	1,217,800	1,006,749	.....	7,696,889	223,000	1,569,000	.....	874,828	27,580,586	28
.....	.....	.....	.....	233,500	.....	.....	.....	50,040	12,558,117	29
.....	.....	.....	.....	.....	.....	.....	.....	.....	34,459	30
.....	.....	.....	.....	79,002	.....	.....	.....	.....	696,844	31
.....	.....	.....	.....	400	.....	.....	.....	.....	152,968	32
.....	.....	.....	.....	1,000	.....	.....	.....	.....	199,600	33
.....	.....	26,000	.....	6,400	.....	.....	.....	3,575	3,619,459	34
.....	.....	.....	.....	5,800	.....	.....	.....	5,010	488,352	35
.....	.....	.....	.....	116,382	.....	.....	.....	29,450	475,703	36
.....	.....	10,000	.....	105,048	.....	.....	.....	10,570	1,250,467	37

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

WORSTED GOODS.

	States.	Establishments.	STEAM-ENGINES. Horse-power.	STEAM-ENGINES. Number.	WATER-WHEELS. Horse-power.	WATER-WHEELS. Number.	MACHINES. Braiders.	MACHINES. Cards.	MACHINES. Domestic combing-machines.	MACHINES. Foreign combing machines.	MACHINES. Knitting-machines.	MACHINES. Looms.	MACHINES. Spindles.
							No.	*Sets.*	*No.*	*No.*	*No.*	*No.*	*No.*
	The United States	102	3,382	71	4,634	40	7,334	98	95	66	176	6,128	200,617
1	Connecticut	6	128	4	65	2	1,069	.....	.....	3	.....	104	3,680
2	Maine	1	.....	.....	60	1	500	4	.....	.....	.....	.....	1,400
3	Massachusetts	35	730	19	2,579	25	1,980	.....	64	54	14	3,341	96,826
4	New Hampshire	2	.....	.....	1,525	3	.....	.....	4	2	.....	46	8,022
5	New Jersey	5	65	2	75	3	300	.....	6	.....	.....	119	3,312
6	New York	7	5	1	120	2	47	8	.....	1	.....	74	3,720
7	Ohio	2	35	2	.....	.....	300	.....	.....	.....	.....	.....	.....
8	Pennsylvania	31	1,211	28	25	1	977	74	17	3	133	1,423	23,237
9	Rhode Island	11	1,208	15	140	2	2,161	10	4	3	29	1,021	58,884
10	Vermont	1	.....	.....	45	1	.....	2	.....	.....	.....	.....	1,536
11	Wisconsin	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

WORSTED GOODS—Continued.

	States.	MATERIALS—Continued. Cotton yarn.	MATERIALS—Continued. Woolen yarn.	MATERIALS—Continued. Worsted yarn.	MATERIALS—Continued. All materials.	PRODUCTS. Braids and lacings.	PRODUCTS. Cloaking.	PRODUCTS. Delaines.
		Pounds.	*Pounds.*	*Pounds.*	*Dollars.*	*Pounds.*	*Yards.*	*Yards.*
	The United States	2,146,500	46,240	1,958,880	14,308,198	2,324,330	5,000	40,804,385
1	Connecticut	.....	.....	37,000	330,600	321,500	.....	.....
2	Maine	.....	25,000	.....	55,000	125,000	.....	.....
3	Massachusetts	1,116,600	6,240	505,200	5,663,048	584,240	.....	26,169,385
4	New Hampshire	.....	.....	.....	1,032,118	.....	.....	8,135,000
5	New Jersey	105,000	15,000	75,000	292,240	90,000	5,000	.....
6	New York	300	.....	20,450	94,200	107,000	.....	.....
7	Ohio	.....	.....	198,000	151,240	192,500	.....	.....
8	Pennsylvania	925,000	.....	860,380	4,932,940	253,000	.....	.....
9	Rhode Island	.....	.....	260,850	1,736,210	651,090	.....	6,500,000
10	Vermont	200	.....	.....	18,602	.....	.....	.....
11	Wisconsin	.....	.....	2,000	2,000	.....	.....	.....

TABLE CIII.—*Manufactures: Special Statistics for Principal Industries*—1870—Cont'd.

WORSTED GOODS.

HANDS EMPLOYED.						MATERIALS.					
All.	Males above 16.	Females above 15.	Youth.	Capital.	Wages.	Chemicals, &c.	Cotton.	Shoddy.	Domestic wool.	Foreign wool.	
				Dollars.	*Dollars.*	*Dollars.*	*Pounds.*	*Lbs.*	*Pounds.*	*Pounds.*	
13,920	3,864	7,152	1,904	10,085,778	4,368,857	1,259,016	2,463,808	12,342	13,317,319	3,836,982	
370	96	191	83	495,000	120,700	120,800	69,000	.....	45,000	145,000	1
62	10	37	15	20,000	18,000	.....	100,000	.....	.....	.....	2
5,275	1,626	3,199	450	2,839,500	1,678,462	511,465	876,868	.....	6,163,816	2,175,234	3
1,161	355	700	106	700,000	378,017	63,231	591,874	.....	1,077,915	560,008	4
281	109	107	65	108,000	98,000	29,400	55,000	.....	185,000	90,740	5
251	42	140	69	112,200	57,600	14,900	56,800	.....	66,000	6,000	6
86	11	41	34	56,000	14,750	7,740	.....	.....	.....	.....	7
3,868	1,318	1,743	807	3,350,078	1,363,334	234,038	107,266	12,342	4,359,588	500,000	8
1,531	290	986	255	2,300,000	634,090	241,980	607,000	.....	1,400,000	360,000	9
25	5	8	12	13,000	5,104	462	.....	.....	20,000	.....	10
10	2	.....	8	2,000	800	.....	.....	.....	.....	.....	11

WORSTED GOODS—Continued.

PRODUCTS.											
Fancy goods.	Shawls.	Shirts and drawers.	Balmoral skirts.	Other skirting.	Webbing and tape.	Worsted dress goods.	Woolen yarn.	Worsted yarn.	Zephyr goods.	All products.	
Dollars.	*No.*	*Doz.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Pounds.*	*Pounds.*	*Lbs.*	*Dollars.*	
1,974,957	111,404	4,080	433,288	51,851	2,096,000	12,057,006	284,100	4,047,750	3,900	22,090,331	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	591,000	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85,000	2
894,757	.....	.....	86,880	.....	.....	2,923,206	.....	1,935,686	.....	8,280,541	3
67,000	.....	.....	.....	.....	.....	.....	.....	486,964	.....	1,447,422	4
.....	15,000	.....	201,000	.....	2,000,000	.....	.....	24,800	.....	518,980	5
87,400	.....	.....	.....	.....	.....	.....	.....	.....	.....	237,400	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	180,000	7
900,100	96,404	4,080	85,408	51,851	96,000	9,073,800	201,600	1,581,000	3,900	7,983,038	8
19,700	.....	.....	.....	.....	.....	.....	82,500	.....	.....	2,835,950	9
.....	.....	.....	.....	.....	.....	.....	.....	19,300	.....	25,000	10
6,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,000	11

TABLE CIV.—*Mining, including Quarrying, Oil-boring, and Peat-cutting*—1870.

THE UNITED STATES—BY STATES AND TERRITORIES.

States and Territories.	Establishments.	Steam-engines.	Water-wheels.	HANDS EMPLOYED. All.	Men above ground.	Men under ground.	Boys above ground.	Boys under ground.	CAPITAL. Dollars.	WAGES. Dollars.	MATERIALS. Dollars.	PRODUCTS. Dollars.
The United States	7974	4133	134	154328	66178	77221	6916	4013	222384854	74464044	14275691	152598994
Alabama	3	1	....	72	34	33	5	....	39600	29970	940	52500
Arizona	4	....	....	45	18	27	....	....	6500	13700	1485	24500
California	1040	42	70	7589	5442	2128	19	....	20079975	3953636	1333304	8281633
Colorado	53	15	2	575	294	291	....	....	2835835	375125	68068	859374
Connecticut	20	13	1	1507	1507	.....	....	....	1496100	780120	45302	1227400
Delaware	2	2	....	26	26	.....	....	....	89210	4950	1510	10800
Georgia	10	....	1	126	118	4	4	....	145800	28073	2920	49280
Idaho	254	5	2	1692	1518	174	....	....	1088040	503266	231763	1989341
Illinois	356	102	....	7504	2204	5159	141	....	4814123	3606913	448338	6968201
Indiana	72	27	....	1723	579	1056	88	....	610092	754904	73992	1137172
Iowa	131	6	....	1628	629	986	13	....	756224	676714	88262	1063484
Kansas	26	1	....	351	347	4	....	....	179130	128100	6550	174278
Kentucky	35	5	....	925	602	275	47	1	761450	312486	31083	509245
Louisiana	1	....	....	2	2	.....	....	....	100	250	250	1200
Maine	57	5	....	733	724	.....	9	....	597768	356775	34710	621738
Maryland	80	32	2	3801	1209	2515	32	45	25369730	1839952	205547	3444183
Massachusetts	65	23	1	1595	1450	132	13	....	944250	899743	147361	1493522
Michigan	44	111	....	6381	1980	4381	20	....	9962874	3727633	926119	7199118
Minnesota	9	....	....	51	51	.....	....	....	18500	17665	5650	35350
Missouri	142	40	....	3423	1644	1685	94	....	3489250	1938792	570781	3472513
Montana	683	1	....	3534	3362	172	....	....	2518613	1381699	735001	4030435
Nebraska	7	....	....	38	36	.....	2	....	14650	12550	3150	30130
Nevada	139	44	2	2866	809	2057	....	....	32253400	2900872	1636865	11166452
New Hampshire	21	1	....	334	323	11	....	....	203450	201129	13452	323805
New Jersey	49	53	7	2496	975	1492	29	....	2501700	1376957	232819	2554475
New Mexico	17	....	....	177	95	82	....	....	2384000	107350	33138	343250
New York	454	54	8	5177	4054	1094	29	....	4696091	2259088	422955	4324651
North Carolina	17	3	....	482	273	193	16	....	1853100	153220	37808	638302
Ohio	535	121	....	11241	5358	5537	346	....	9017197	4692571	437714	7751544
Oregon	168	....	....	880	861	19	....	....	321520	79022	29930	417797
Pennsylvania	3086	3190	17	81215	26088	45454	5790	3883	84660276	38815276	6069917	76208390
Rhode Island	2	2	....	75	28	42	5	....	80000	33000	4100	59000
South Carolina	5	....	2	148	130	18	....	....	137000	17400	5170	19888
Tennessee	22	4	3	1239	655	473	111	....	944820	378913	21425	776292
Texas	1	....	....	2	2	.....	....	....	150	750	.....	900
Utah	6	1	....	25	5	20	....	....	44800	2550	5985	14050
Vermont	54	22	11	1143	906	165	72	....	2494700	484937	58269	905410
Virginia	27	20	2	997	554	441	2	...	1113000	248270	31067	409914
West Virginia	185	177	....	1527	784	646	28	69	2554499	821513	170741	2538331
Washington	3	2	....	90	30	60	....	....	307200	71069	13499	109064
Wisconsin	80	7	3	701	406	294	1	....	737728	233081	38582	510582
Wyoming	3	1	....	192	76	101	....	15	261000	252800	49254	850000

[*Continued from page* 885.]

to 34 per cent., as in 1870, may fairly be claimed as a marked success. But, to effect this object, an amount of clerical labor has been expended which has been simply enormous. Tens of thousands of letters from the Census Office were required to obtain the material for complete and comparative statements of production for the trades and branches of industry which are embraced in Table CIII of this Compendium.

The fatal defect of the "general blank" in this particular is, that each proprietor of establishment is left to fill out the columns, "kinds," "quantities," "values," twice—once for materials and once for products—according to his own judgment or inclination.

He has no idea how much particularity is desired, or how fully his neighbors and rivals in business will report their operations. If he really wishes to comply with the intentions of the law, he is at a loss to decide as to the best method of classifying the materials and products of his industry. The determination of this question, which is a matter for careful consideration by the best-informed statisticians, is thrown by turns upon each one of 250,000 manufacturers. No reasonable number of precise and specific questions could cause one-half the trouble which is involved in filling these

TABLE CV.—*The Statistics of Fisheries, exclusive of the Whale Fishery*—1870.

THE UNITED STATES—BY STATES AND TERRITORIES.

States and Territories.	Establishments.	HANDS EMPLOYED.				CAPITAL.	WAGES.	MATERIALS.	PRODUCTS.
		Total.	Males above 16.	Females above 15.	Youth.	Dollars.	Dollars.	Dollars.	Dollars.
The United States	2,140	20,504	19,970	324	210	7,469,575	3,449,331	1,642,276	11,096,522
Alabama	1	2	2	.....	.....	500	150	200	1,200
Arkansas	1	3	3	.....	.....	300	440	1,000	2,200
California	87	198	194	.....	4	30,790	6,800	30,200	150,260
Connecticut	171	1,128	1,099	.....	29	421,775	184,932	38,717	769,799
Delaware	9	46	46	.....	.....	5,600	1,540	.....	7,350
Florida	43	150	149	.....	1	75,000	22,040	26,939	101,528
Georgia	1	3	3	.....	.....	750	500	.....	1,200
Illinois	14	42	40	2	.....	5,500	4,310	1,460	17,405
Indiana	2	8	5	3	.....	4,150	200	450	1,800
Iowa	1	3	2	1	.....	500	.....	500	1,200
Kansas	2	4	4	.....	.....	196	20	10	1,840
Kentucky	6	13	13	.....	.....	2,300	400	325	4,330
Louisiana	4	16	12	.....	4	800	3,400	403	9,092
Maine	237	2,461	2,411	4	16	891,798	339,942	216,928	979,610
Maryland	157	783	769	12	2	118,720	52,667	3,085	190,550
Massachusetts	237	8,993	8,953	.....	40	4,287,871	2,291,370	1,001,891	6,215,325
Michigan	242	1,159	1,122	27	10	303,957	137,324	101,008	567,576
Missouri	2	4	3	.....	1	180	.....	.....	1,100
New Jersey	204	947	935	.....	12	231,231	80,541	1,387	374,912
New York	338	755	751	2	2	135,875	35,824	21,483	235,750
North Carolina	42	1,606	1,276	265	65	211,100	89,748	40,041	265,839
Ohio	106	565	565	.....	.....	262,000	71,762	14,512	383,121
Oregon	18	87	87	.....	.....	27,940	18,956	27,068	54,758
Pennsylvania	34	169	169	.....	.....	24,048	14,112	550	38,114
Rhode Island	35	227	220	.....	7	67,500	10,244	17,360	124,505
Tennessee	1	8	8	.....	.....	2,000	1,440	.....	3,000
Utah	1	3	3	.....	.....	350	550	.....	1,650
Virginia	26	606	603	3	.....	54,812	36,927	9,804	87,482
Washington	17	234	218	4	12	165,565	27,520	46,166	289,746
Wisconsin	105	379	373	1	5	117,458	58,142	47,229	214,190

six columns of the general schedule of manufactures. A similar difficulty, though not proceeding to the same degree, is found in the return of power and machinery upon the general schedule.

The result of all this is, that some manufacturers, out of conscientiousness, or from a real interest in securing a complete and correct census of their industry, will make their answers even more full and explicit than is necessary; while others will put in as little as possible, disregarding, perhaps, the plainest and most natural divisions between the classes of products and materials. Each man's inclinations are thus made the measure of his duty, and uniformity of practice becomes impossible. Where there is no uniformity of practice, there can be no comparison and no tabulation of results. The alternative presented to the Census Office by returns of industry so irregular and confused, is either to drop the whole and accept the failure of the effort to obtain specific information of the highest economical and social value, or else, by a most extensive, laborious, and thankless correspondence, to elicit the information which would have been given as a matter of course, and without extra trouble to any one, on schedules specially adapted to the industries in the enumeration of which they were to be used.

For all this uncertainty, vexation, and confusion to enumerator, enumerated, and compiler, the special schedule offers a clear and easy remedy, substituting for the diverse judgments and inclinations of a thousand manufacturers a single straight rule by which all can govern themselves, knowing that they are doing all that will be required of them; a rule, too, which, by making compilation a mere work of transcription, would

save ten or twenty times more in clerical service than the trifling additional cost of printing involved.

For the treatment of the following topics affecting the Tables of Manufactures, see quarto Volume III, (Wealth and Industry,) Ninth Census:

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