

## Group 11.—RUBBER PRODUCTS

[Preliminary reports for the Rubber Products group of industries were issued on September 6, 1940, and subsequent dates]

**Description of the group of industries.**—This group of industries includes establishments manufacturing rubber products of all kinds such as tires, rubber footwear, mechanical rubber goods, and rubber sundries. This group also includes establishments specializing in reclaiming rubber or in retreading rubber tires.

The following individual industries make up the Rubber Products group:

1. Tires and inner tubes.
2. Rubber boots and shoes (including rubber-soled footwear with fabric uppers).
3. Reclaimed rubber.
4. Rubber products not elsewhere classified.

The Reclaimed Rubber industry was established for the first time for the Census of Manufactures for 1939. It formerly had been included in the industry entitled "Rubber Goods, Other Than Tires, Inner Tubes, and Boots and Shoes." The products of this group of industries may be made from natural rubber or from synthetic rubber, the manufacture of which is classified in the Chemicals Not Elsewhere Classified industry.

TABLE 1.—SUMMARY FOR GROUP 11—RUBBER PRODUCTS: 1899 TO 1939

INDUSTRY	Census year	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
Total for the group-----	1939	595	120,740	\$161,409,811	\$496,174,017	\$902,328,802	\$406,154,785	288,170
	1937	478	129,818	171,304,546	514,260,412	885,032,546	368,772,134	(5)
	1935	466	114,681	133,715,235	368,810,953	677,659,111	308,848,158	(5)
	1933	408	106,283	99,116,552	211,306,716	472,743,557	261,346,871	(5)
	1931	453	99,259	112,596,379	252,867,163	614,265,307	361,398,144	(5)
	1929	525	149,148	207,305,857	578,677,681	1,117,460,252	538,782,571	248,949
	1927	516	141,997	198,073,743	660,370,209	1,225,077,114	564,706,905	272,904
	1925	530	141,869	191,285,520	721,729,675	1,260,805,063	539,075,388	232,053
	1923	529	137,868	182,084,056	501,162,768	958,517,634	457,354,866	272,400
	1921	496	103,273	123,612,873	377,879,372	704,903,133	327,023,761	(5)
	1919	477	158,549	193,763,089	594,343,590	1,138,216,019	543,872,429	235,926
	1914	342	74,022	44,167,402	163,034,713	300,993,796	137,959,083	165,259
	1909	267	49,264	25,136,976	122,745,102	197,894,638	74,649,536	113,812
	1904	265	43,873	20,084,166	80,002,476	148,015,391	68,012,915	84,202
1899	301	36,566	15,426,573	60,240,559	99,880,693	39,640,134	(5)	
TIRES AND INNER TUBES-----	1939	53	54,115	89,773,503	349,556,866	580,928,993	231,372,127	232,297
	1937	46	63,290	96,706,731	366,858,443	575,860,262	209,001,819	(5)
RUBBER BOOTS AND SHOES-----	1939	13	14,861	16,801,537	20,749,368	49,980,591	29,231,223	8,727
	1937	12	18,356	20,421,676	27,474,556	64,455,332	36,980,776	(5)
MISCELLANEOUS RUBBER INDUSTRIES, TOTAL-----	1939	529	51,764	54,834,771	125,867,783	271,419,218	145,551,435	47,146
	1937	420	48,172	54,176,139	119,927,413	242,716,952	122,789,539	(5)
Reclaimed rubber-----	1939	10	1,072	1,477,036	2,992,406	6,894,018	3,901,612	760
	1937	9	1,258	1,830,397	4,172,377	7,942,934	3,770,557	(5)
Rubber products not elsewhere classified-----	1939	519	50,692	53,357,735	122,875,377	264,525,200	141,649,823	46,386
	1937 <sup>7</sup>	411	46,914	52,345,742	115,755,036	234,774,018	119,018,982	(5)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

<sup>7</sup> Revised.

TABLE 2.—GENERAL STATISTICS IN DETAIL, FOR THE RUBBER PRODUCTS GROUP, BY INDUSTRIES: 1939<sup>1</sup>

ITEM	Total for the group	1111	1121	MISCELLANEOUS RUBBER INDUSTRIES	
				1191	1199
Number of establishments <sup>2</sup> .....	595	53	13	10	519
Proprietors and firm members.....	161	5			156
Persons reported by manufacturing industries, total <sup>3</sup> .....	149,738	67,169	18,098	1,282	63,189
Salaried officers of corporations <sup>4</sup> .....	902	116	29	16	741
Manufacturing:					
Salaried employees <sup>4</sup> .....	17,734	8,900	2,072	96	6,666
Wage earners (average for the year) <sup>4</sup> .....	120,740	54,115	14,861	1,072	50,692
Distribution.....	8,568	3,540	994	31	4,003
Construction.....	1,552	426	109	62	955
Other.....	242	72	33	5	132
Salaries and wages, total <sup>5</sup> .....	\$226,922,132	\$122,163,714	\$22,056,016	\$1,969,617	\$80,732,785
Salaried officers <sup>4</sup> .....	7,131,196	1,767,970	222,801	159,000	4,981,425
Manufacturing:					
Salaries <sup>4</sup> .....	37,305,643	21,482,798	3,256,389	227,207	12,339,249
Wages.....	161,409,811	89,773,503	16,801,537	1,477,036	53,357,735
Distribution.....	18,207,947	8,207,386	1,554,017	48,676	8,307,808
Construction.....	2,554,858	821,538	189,629	52,599	1,491,092
Other.....	312,677	110,519	31,643	5,099	165,416
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	496,174,017	349,556,866	20,749,368	2,992,406	122,875,377
Materials, supplies, and containers.....	477,967,737	340,732,027	19,711,362	2,249,921	115,274,427
Fuel.....	7,675,253	4,024,999	378,767	175,271	3,096,216
Purchased electric energy.....	10,172,687	4,766,440	635,412	567,214	4,203,621
Contract work.....	358,340	33,400	23,827		301,113
Value of products.....	902,328,802	580,928,993	49,980,591	6,894,018	264,525,200
Value added by manufacture <sup>5</sup> .....	406,154,785	231,372,127	29,231,223	3,901,612	141,649,823

<sup>1</sup> The numbers at the head of each column represent the following industries: 1111, Tires and inner tubes; 1121, Rubber boots and shoes (including rubber-soled footwear with fabric uppers); 1191, Reclaimed rubber; 1199, Rubber products not elsewhere classified.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—RUBBER CONSUMED BY ESTABLISHMENTS CLASSIFIED IN THE RUBBER PRODUCTS GROUP, BY KIND, QUANTITY, AND COST: 1939 AND 1937

[Not including consumption in the wire, electrical, textile, or other industries. Ton, 2,240 pounds]

	1939	1937		1939	1937
Crude and reclaimed rubber consumed, by industries:			Crude and reclaimed rubber consumed—Continued.		
Total tons consumed.....	714,627	687,176	Reclaimed rubber consumed—Continued.		
Purchased—			Purchased—Continued.		
Tons.....	685,600	631,600	Rubber goods other than tires, inner tubes, and boots and shoes industry—		
Cost.....	\$214,770,592	\$231,517,943	Tons.....	53,700	52,906
Reclaimed and consumed by same establishments, tons.....	49,027	55,576	Cost.....	\$6,867,829	\$6,461,546
Crude rubber consumed—			Reclaimed and consumed by same establishments, total tons.....	49,027	55,576
Total tons.....	563,710	531,091	Rubber tires and inner tubes industry, tons.....	25,498	37,372
Total cost.....	\$201,866,370	\$219,606,315	Rubber boots and shoes, and rubber goods other than tires, inner tubes, and boots and shoes industries, tons.....	23,529	18,204
Rubber tires and inner tubes industry—			CRUDE RUBBER CONSUMED, BY CLASS OF PRODUCTS MADE		
Tons.....	442,668	423,999	Rubber tires and inner tubes:		
Cost.....	\$157,640,126	\$174,188,060	Pneumatic casings.....	Tons 357,221	Tons 333,867
Rubber boots and shoes industry—			Inner tubes.....	51,731	51,450
Tons.....	19,133	22,213	Solid and cushion.....	1,570	1,653
Cost.....	\$7,102,709	\$9,334,062	Boots and shoes.....	15,970	20,214
Rubber goods other than tires, inner tubes, and boots and shoes industry—			Rubber heels and soles, including slab soles.....	22,642	13,176
Tons.....	101,909	84,879	Rubberized fabrics and rubberized clothing (finished) <sup>1</sup> .....	9,291	10,524
Cost.....	\$37,123,535	\$36,084,193	Mechanical rubber goods; rubber flooring; rubber mats and matting.....	47,472	56,422
Reclaimed rubber consumed, total tons.....	150,917	156,085	Hard-rubber goods.....	3,328	3,660
Purchased—			Rubber thread, rubber cement, and rubber gloves.....	9,296	9,514
Total tons.....	101,890	100,509	Tire sundries and repair materials, rebuilt or retreaded tires, including camelback.....	16,973	11,115
Total cost.....	\$12,904,222	\$11,911,628	Other manufactures of rubber, including druggists' and medical sundries, balloons, stationers' rubber bands, erasers, golf and tennis balls, toys, and sponge-rubber products.....	28,216	19,496
Rubber tires and inner tubes industry—					
Tons.....	45,979	44,824			
Cost.....	\$5,734,041	\$5,129,360			
Rubber boots and shoes industry—					
Tons.....	2,202	2,779			
Cost.....	\$262,352	\$320,722			

<sup>1</sup> Includes bathing caps and bathing suits.

<sup>2</sup> Revised.

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TABLE 4.—RUBBER CONSUMED BY ESTABLISHMENTS CLASSIFIED IN THE RUBBER PRODUCTS GROUP, BY STATES: 1939 AND 1937

[Not including consumption in the wire, electrical, textile, or other industries. Ton, 2,240 pounds]

	Crude rubber	RECLAIMED RUBBER			Crude rubber	RECLAIMED RUBBER	
		Purchased and consumed	Reclaimed and consumed in same establishment			Purchased and consumed	Reclaimed and consumed in same establishment
United States:	Tons	Tons	Tons	Missouri:	Tons	Tons	Tons
1939	563,710	101,890	49,027	1939	9,552	(1)	(2)
1937	531,001	100,509	55,576	1937	(1)	(1)	(1)
California:				New Jersey:			
1939	47,494	8,275	(1)	1939	14,021	7,838	2,876
1937	59,322	(1)	(1)	1937	16,200	8,326	(1)
Connecticut:				New York:			
1939	18,828	1,774	(2)	1939	22,506	3,451	(1)
1937	15,655	1,171	(1)	1937	13,766	(1)	(1)
Illinois:				Ohio:			
1939	6,311	2,171	(1)	1939	189,835	26,933	20,572
1937	6,516	(1)	(1)	1937	220,186	32,950	28,892
Indiana:				Pennsylvania:			
1939	16,754	5,471	(1)	1939	24,824	4,896	(1)
1937	(1)	(1)	(1)	1937	18,693	4,351	(1)
Maryland:				Rhode Island:			
1939	(1)	3,018	(1)	1939	7,453	(1)	(2)
1937	(1)	(1)	(1)	1937	5,699	(1)	(1)
Massachusetts:				Other States:			
1939	42,417	7,083	9,436	1939	77,867	11,646	16,143
1937	36,166	7,161	8,612	1937	198,888	46,550	18,072
Michigan:							
1939	85,848	19,834	(2)				
1937	(1)	(1)	(1)				

<sup>1</sup> Withheld to avoid disclosing, exactly or approximately, consumption reported by individual establishments; included in figure for "Other States."

<sup>2</sup> None reported.

<sup>3</sup> Alabama, Colorado, Delaware, Georgia, Iowa, Kentucky, Maine, Maryland, Minnesota, Mississippi, Nebraska, North Carolina, Oklahoma, Oregon, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, Wisconsin.

## TIRES AND INNER TUBES

[A preliminary report for this industry was issued September 6, 1940]

This industry embraces those establishments primarily engaged in the manufacture of pneumatic tires, inner tubes, and solid and cushion rubber tires for any class of vehicle.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1921 TO 1939**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horse-power of prime movers
1939.....	53	54, 115	\$89, 773, 503	\$349, 556, 866	\$580, 928, 993	\$231, 372, 127	232, 297
1937.....	46	63, 290	96, 706, 731	366, 858, 443	575, 860, 262	209, 001, 819	(5)
1935.....	42	57, 128	78, 253, 489	265, 515, 401	446, 091, 602	180, 576, 201	(6)
1933.....	44	52, 976	54, 737, 313	139, 392, 070	299, 313, 263	159, 921, 193	(5)
1931.....	48	49, 159	63, 088, 584	173, 604, 186	406, 283, 123	232, 678, 937	(5)
1929.....	91	83, 263	127, 081, 975	429, 606, 971	770, 176, 890	340, 569, 919	184, 288
1927.....	109	78, 256	120, 063, 854	499, 220, 642	869, 688, 063	370, 467, 421	200, 317
1925.....	126	81, 640	120, 614, 081	559, 939, 811	925, 001, 520	365, 061, 709	164, 393
1923.....	160	73, 963	108, 623, 102	365, 165, 016	644, 193, 697	279, 028, 681	180, 757
1921 <sup>7</sup> .....	178	55, 496	75, 054, 148	291, 554, 377	496, 123, 335	204, 568, 958	(5)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

<sup>7</sup> No data for earlier years.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Ohio	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	53	6	19	5	23
Proprietors and firm members.....	5	5	5	5	5
Persons reported by manufacturing establishments, total <sup>3</sup> .....	67, 199	4, 592	38, 049	2, 738	21, 791
Salaried officers of corporations <sup>3</sup> .....	116	3	69	15	29
Manufacturing:					
Salaried employees <sup>3</sup> .....	8, 900	663	5, 327	269	2, 641
Wage earners (average for the year) <sup>4</sup> .....	54, 115	3, 603	29, 921	2, 095	18, 497
Distribution.....	3, 540	200	2, 487	342	511
Construction.....	426	108	221	6	91
Other.....	72	15	24	11	22
Salaries and wages, total <sup>3</sup> .....	\$122, 163, 714	\$8, 605, 679	\$72, 720, 162	\$4, 597, 875	\$36, 239, 998
Salaried officers <sup>3</sup> .....	1, 767, 970	32, 059	1, 103, 119	272, 065	360, 727
Manufacturing:					
Salaries <sup>3</sup> .....	21, 482, 798	1, 519, 781	14, 151, 083	559, 954	5, 251, 980
Wages.....	89, 773, 503	6, 288, 853	50, 888, 899	3, 100, 361	29, 495, 390
Distribution.....	8, 207, 386	475, 400	6, 171, 513	649, 026	911, 447
Construction.....	821, 538	257, 268	366, 089	6, 078	192, 103
Other.....	110, 519	32, 318	39, 459	10, 391	28, 351
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	349, 556, 866	32, 957, 289	146, 272, 794	15, 467, 441	154, 859, 342
Materials, supplies, and containers.....	340, 732, 027	32, 221, 809	142, 484, 693	15, 037, 697	150, 987, 828
Fuel.....	4, 024, 999	210, 373	1, 977, 916	118, 010	1, 718, 700
Purchased electric energy.....	4, 766, 440	513, 932	1, 787, 960	311, 734	2, 152, 814
Contract work.....	33, 400	11, 175	22, 225	-----	-----
Value of products.....	580, 928, 993	51, 358, 743	268, 010, 485	27, 715, 434	233, 844, 331
Value added by manufacture <sup>5</sup> .....	231, 372, 127	18, 401, 454	121, 737, 691	12, 247, 993	78, 984, 989

<sup>1</sup> Alabama, 3 establishments; Connecticut, 2; Illinois, 1; Indiana, 2; Maryland, 2; Massachusetts, 1; Michigan, 4; Minnesota, 1; Mississippi, 1; Missouri, 1; New Jersey, 1; New York, 1; Tennessee, 1; Wisconsin, 2.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Tires and Inner Tubes industry, all products, total value.....	\$580,928,993	\$575,860,262
Rubber tires and inner tubes, value.....	497,636,438	476,414,250
Receipts for contract and repair work.....	22,285	
Miscellaneous products not specified, value.....	3,019,215	99,446,012
Other products (not classified in this industry), value.....	180,251,055	
Rubber tires and inner tubes, aggregate value.....	503,448,053	478,770,897
Rubber tires and inner tubes made in this industry, value.....	497,636,438	476,414,250
Rubber tires and inner tubes made as secondary products in the "Rubber products not elsewhere classified" industry, value.....	5,811,615	2,356,647

<sup>1</sup> Chiefly value of rubber goods such as balls; camelback; rebuilt and retreaded tires; rubber heels; tire sundries and repair materials; hose and tubing; mechanical rubber goods; belts and belting; molded articles; mats and matting; rubber cement; reclaimed rubber; and chemicals.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939	1937
Rubber tires and inner tubes, aggregate value.....	\$503,448,053	\$478,770,897
Pneumatic tires and casings:		
Motor-vehicle, except motorcycle and bicycle—		
Total number.....	57,770,727	53,403,745
Total value.....	\$430,040,301	\$410,398,248
Passenger-car—		
Number.....	49,522,341	45,668,599
Value.....	\$272,521,997	\$253,270,878

<sup>1</sup> Revised.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

PRODUCT	1939	1937
Pneumatic tires and casings—Continued.		
Motor-vehicle, except motorcycle and bicycle—Continued.		
Truck and bus—		
Number.....	8,217,981	7,702,436
Value.....	\$156,973,481	\$156,459,385
Airplane—		
Number.....	30,405	32,710
Value.....	\$544,823	\$667,985
Motorcycle and bicycle—		
Single-tube tires—		
Number.....	1,665,847	1,654,216
Value.....	\$1,217,174	\$1,390,700
Casings—		
Number.....	4,557,455	3,402,263
Value.....	\$3,384,735	\$3,191,864
All other—		
Number.....	997,225	709,700
Value.....	\$9,082,658	\$2,367,550
Inner tubes:		
Passenger-car, truck, and bus—		
Number.....	51,251,112	52,372,908
Value.....	\$52,953,535	\$55,739,387
Airplane—		
Number.....	27,192	25,026
Value.....	\$104,961	\$101,912
Motorcycle and bicycle—		
Number.....	4,404,351	3,397,286
Value.....	\$1,532,157	\$1,186,697
All other—		
Number.....	656,157	187,906
Value.....	\$1,347,708	\$470,135
Solid and cushion:		
Truck, bus, tractor, and trailer—		
Number.....	217,793	254,994
Value.....	\$1,964,498	\$2,423,689
All other (including carriage and other tiring)—		
Pounds.....	10,819,463	13,566,853
Value.....	\$1,220,326	\$1,500,715

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939

	Quantity		Value		Quantity		Value
	Number				Number		
Rubber tires and inner tubes, total value.....			\$503,448,053	Pneumatic tires and casings—Continued.			
Pneumatic tires and casings:				Motorcycle and bicycle—Continued.			
Motor-vehicles, except motorcycle and bicycle:				Casings (Calif., Ind., Mass., Ohio, Pa., and Wis.).....	4,557,455	\$3,384,735	
Passenger-car, total.....	49,522,341	272,521,997		All other (Mass., N. Y., Ohio, Tenn., and Wis.).....	997,225	9,682,688	
California.....	5,493,247	29,138,761		Inner tubes:			
Michigan.....	12,006,399	63,391,202		Passenger-car, truck, and bus, total.....	51,251,112	52,953,535	
Ohio.....	16,250,084	94,601,951		California.....	5,081,692	5,201,600	
Pennsylvania.....	2,725,541	16,649,641		Ohio.....	17,305,710	20,192,616	
Ala., Colo., Conn., Ill., Md., Mass., Miss., N. J., N. Y., Tenn., and Wis.....	13,047,070	68,740,442		Pennsylvania.....	3,583,894	3,530,172	
Truck and bus, total.....	8,217,981	156,973,481		Ala., Colo., Conn., Ga., Ind., Md., Mass., Mich., Minn., Mo., N. Y., Tenn., and Wis.....	25,279,816	24,029,147	
California.....	740,385	14,345,686		Airplane (Ind., Ohio, and Wis.).....	27,192	104,961	
Ohio.....	3,722,199	72,012,613		Motorcycle and bicycle (Ind., Mass., Ohio, Pa., and Wis.).....	4,404,351	1,532,157	
Ala., Colo., Conn., Ill., Md., Mass., Mich., N. J., N. Y., Pa., Tenn., and Wis.....	3,755,397	70,615,182		All other (Ind., N. J., N. Y., Ohio, Tenn., and Wis.).....	656,157	1,347,708	
Airplane (Michigan and Ohio).....	30,405	544,823		Solid and cushion tires:			
Motorcycle and bicycle:				Truck, bus, tractor, and trailer (Calif., Mich., N. J., and Ohio).....	217,793	1,964,498	
Single-tube tires, total.....	1,665,847	1,217,174		All other, including carriage and other tiring (Mass., N. J., and Ohio).....	Pounds 10,819,463	1,220,326	
Ohio.....	368,516	290,999					
Ind., Md., Mass., Pa., and Wis.....	1,297,331	926,175					

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	54,115	52,442	52,144	52,495	52,464	52,188	52,499	53,036	54,231	55,720	58,041	56,934	57,190
1937.....	63,290	66,359	66,979	57,794	57,777	67,266	66,654	65,756	65,650	65,371	63,491	59,296	57,086
1929.....	83,263	84,751	86,757	87,579	89,106	90,912	91,777	90,584	86,542	80,764	74,813	69,117	66,452
Alabama.....	1,248	1,315	1,297	1,281	1,280	1,253	1,243	1,243	1,244	1,219	1,213	1,188	1,197
California.....	3,603	3,544	3,491	3,432	3,417	3,443	3,471	3,620	3,728	3,736	3,886	3,716	3,757
Michigan.....	6,367	6,533	6,305	6,366	6,181	6,047	6,048	6,039	6,111	6,492	6,888	6,607	6,788
Ohio.....	29,921	28,911	28,967	29,009	28,962	28,799	28,669	28,935	29,739	30,785	32,325	31,795	32,152
Pennsylvania.....	2,095	2,005	2,013	2,079	2,077	2,059	2,171	2,193	2,211	2,129	2,118	2,105	1,975

## CENSUS OF MANUFACTURES: 1939

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	53
Reporting expenditures for plant and equipment.....	52
Value of products:	
Total for the industry.....	\$580,928,993
Reporting expenditures for plant and equipment.....	580,826,793
Expenditures for plant and equipment:	
Total for the industry.....	17,047,672
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	1,316,484
Expenditures for new machinery and operating equipment.....	15,478,132
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	253,056

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$95,067,758	\$147,392,990
Finished products.....	52,283,436	81,408,571
Materials, supplies, etc.....	42,784,322	65,984,419
End of year, total.....	109,887,575	160,677,126
Finished products.....	55,736,724	93,914,676
Materials, supplies, etc.....	54,150,851	66,762,450
Value of products for the industry, total.....	580,928,993	575,860,262
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	580,172,780	575,860,262
Value for establishments not reporting inventories.....	766,213	-----

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929		1939	1929
Number of establishments.....	53	91	Prime movers—Continued.		
Number of establishments reporting power equipment.....	48	89	Prime movers not driving generators—Continued.		
Prime movers, aggregate:			Steam turbines—		
Number.....	224	184	Number.....	79	(*)
Horsepower.....	232,297	184,288	Horsepower.....	9,368	(*)
Prime movers, driving generators, total—			Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—		
Number.....	29	184	Number.....	2	
Horsepower.....	210,655	184,288	Horsepower.....	160	
Steam engines—			Prime movers not driving generators, ordinarily idle (included above), horsepower.....	3,378	(*)
Number.....	2	102	Generators, kilowatt rating, total.....	138,980	126,825
Horsepower.....	160	17,934	Generators, driven by:		
Steam turbines—			Steam engines, kilowatt rating.....	135	(*)
Number.....	27	178	Steam turbines, kilowatt rating.....	138,845	(*)
Horsepower.....	210,495	166,001	Generators, ordinarily idle (included above), kilowatt rating.....	16,700	(*)
Diesel and semi-Diesel engines—			Electric motors, total:		
Number.....		13	Number.....	39,265	25,125
Horsepower.....		120	Horsepower.....	561,643	482,694
Other internal-combustion engines <sup>2</sup> —			Driven by purchased energy—		
Number.....		1	Number.....	24,394	15,688
Horsepower.....		133	Horsepower.....	324,720	278,969
Hydroturbines and water wheels—			Driven by energy generated in establishments reporting—		
Number.....			Number.....	14,871	9,437
Horsepower.....			Horsepower.....	236,923	203,725
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	24,835		Electric energy (kilowatt-hours):		
Prime movers not driving generators, total—			Generated in plant.....	455,643,704	(*)
Number.....	195	(*)	Sold.....	5,007,195	(*)
Horsepower.....	21,642	(*)	Purchased.....	619,063,627	491,615,432
Steam engines—					
Number.....	114				
Horsepower.....	12,124				

<sup>1</sup> Includes data for prime movers not driving generators.  
<sup>2</sup> Gas, gasoline, etc.

\* Not called for on schedule.  
 \* Data not available.

# RUBBER BOOTS AND SHOES (INCLUDING RUBBER-SOLED FOOTWEAR WITH FABRIC UPPERS)

[A preliminary report for this industry was issued September 14, 1940]

This industry embraces those establishments primarily engaged in the manufacture of all-rubber footwear, waterproof fabric-upper footwear, and other fabric-upper footwear having rubber soles.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1939**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1899	13	14,861	\$16,801,537	\$20,749,368	\$49,980,591	\$29,231,223	8,727
1907	12	18,356	20,421,676	27,474,556	64,455,332	36,930,770	(5)
1915	12	17,246	16,113,490	20,820,754	58,162,121	32,341,367	(5)
1923	13	18,192	14,440,403	14,124,109	42,018,877	27,884,768	(5)
1931	15	15,882	13,769,928	12,298,297	47,905,407	35,607,170	(5)
1929	22	25,659	29,945,265	34,396,466	102,537,625	68,141,159	14,440
1927	22	26,848	32,078,055	43,372,916	124,607,801	81,234,585	15,939
1925	23	24,999	23,057,948	40,566,085	115,934,554	75,368,469	16,614
1923	25	29,435	33,670,810	45,268,988	131,739,742	88,470,754	20,270
1921	24	23,888	23,428,115	32,132,942	94,032,524	61,899,582	(5)
1919	25	32,875	30,882,722	50,346,880	116,917,434	66,570,554	23,682
1914	23	18,687	9,988,454	23,956,036	53,822,123	29,866,087	21,180
1909	22	17,612	8,544,252	29,577,176	49,720,567	20,143,391	24,176
1904	22	18,991	8,868,806	32,000,464	70,065,206	38,064,832	25,445
1899	22	14,391	6,426,579	22,682,543	41,089,819	18,407,276	24,967

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.  
<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>5</sup> Not called for on schedule.  
<sup>6</sup> Data not available.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**  
 [See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Massachusetts	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	13	4	9
Proprietors and firm members.....			
Persons reported by manufacturing establishments, total <sup>3</sup> .....	18,098	6,507	11,591
Salaried officers of corporations <sup>4</sup> .....	29	12	17
Manufacturing:			
Salaried employees <sup>5</sup> .....	2,072	921	1,151
Wage earners (average for the year) <sup>6</sup> .....	14,861	5,271	9,590
Distribution.....	994	300	694
Construction.....	109	2	107
Other.....	33	1	32
Salaries and wages, total <sup>7</sup> .....	\$22,056,016	\$8,538,239	\$13,517,777
Salaried officers <sup>8</sup> .....	222,801	102,293	120,508
Manufacturing:			
Salaries <sup>9</sup> .....	3,256,389	1,460,015	1,796,374
Wages.....	16,801,537	6,301,234	10,500,303
Distribution.....	1,554,017	668,187	885,830
Construction.....	189,629	3,270	186,359
Other.....	31,643	3,240	28,403
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	20,749,368	6,733,732	14,015,636
Materials, supplies, and containers.....	19,711,362	6,271,060	13,440,302
Fuel.....	378,767	168,347	210,420

<sup>1</sup> Connecticut, 2 establishments; Illinois, 1; Indiana, 1; Maryland, 2; Missouri, 1; Rhode Island, 1; Wisconsin, 1.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued**

ITEM	United States	Massachusetts	Other States <sup>1</sup>
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work—Con. Purchased electric energy.....	\$635,412	\$286,206	\$349,206
Contract work.....	23,827	8,119	15,708
Value of products.....	49,980,591	19,304,073	30,676,518
Value added by manufacture <sup>2</sup> .....	29,231,223	12,570,341	16,660,882

<sup>1</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939, 1937, AND 1929**

	1939	1937	1929
Rubber Boots and Shoes (Including Rubber-soled Footwear With Fabric Uppers) industry, all products, total value.....	\$49,980,591	\$64,455,332	\$68,141,159
Rubber boots and shoes, value.....	40,446,140	55,218,315	(1)
Other products (not classified in this industry), value.....	9,534,451	9,237,017	(1)
Rubber boots and shoes, aggregate value.....	43,111,750	58,269,258	111,359,622
Rubber boots and shoes made in the industry, value.....	40,446,140	55,218,315	(1)
Rubber boots and shoes made as secondary products in the "Rubber products not elsewhere classified" industry.....	2,665,610	3,050,943	(1)

<sup>1</sup> Figures not available.  
<sup>2</sup> Chiefly value of rubber goods such as rubberized fabrics, rubber garments, mechanical rubber goods, mats and matting, battery jars, boxes and parts, and sponge rubber goods.  
<sup>3</sup> Includes a very small amount produced outside of the "Rubber Products" group.

**TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939, 1937, AND 1929**

	1939	1937	1929
Rubber boots and shoes, aggregate value.....	\$43,111,750	\$58,269,258	\$111,359,622
Canvas rubber-soled shoes:			
Total pairs.....	28,177,454	31,519,085	43,954,011
Total value.....	\$15,047,727	\$18,042,154	\$30,335,279
Base shoes—			
Pairs.....	11,588,697	7,784,834	
Value.....	\$4,639,828	\$3,417,146	
Lace-to-toe trimmed shoes—			
Pairs.....	5,889,112	11,246,272	
Value.....	\$3,660,450	\$6,584,672	43,954,011
Plain oxfords and bals—			
Pairs.....	4,919,559	6,450,332	
Value.....	\$2,696,980	\$3,717,658	
Specialty oxfords and pumps—			
Pairs.....	5,780,086	6,037,647	
Value.....	\$4,050,439	\$4,322,679	
Rubber boots:			
Pairs.....	2,919,489	3,884,195	5,453,865
Value.....	\$5,081,987	\$7,624,737	\$16,140,851
Lumbermen's and pacs:			
Pairs.....	1,124,387	1,357,227	1,817,073
Value.....	\$1,988,295	\$2,808,002	\$4,171,728
Arctics and gaiters:			
Total pairs.....	15,899,031	20,125,312	19,244,673
Total value.....	\$13,049,367	\$18,346,752	\$31,722,333
Buckle and automatic—			
Pairs.....	3,770,347	4,568,856	
Value.....	\$5,149,852	\$7,176,184	19,244,673
Style, rubber or cloth—			
Pairs.....	12,123,684	15,558,456	
Value.....	\$7,899,515	\$11,170,568	\$31,722,333
Other shoes, rubbers, and footholds:			
Pairs.....	14,728,735	20,116,063	30,294,867
Value.....	\$7,944,374	\$11,447,613	\$28,989,431

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND FOR MASSACHUSETTS, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	14,861	14,310	14,797	15,169	14,574	14,798	13,887	14,371	14,692	14,848	15,402	15,649	15,832
1937.....	18,356	18,724	17,879	19,581	18,477	18,444	17,481	18,416	18,580	18,914	18,923	17,714	17,137
1929.....	25,659	25,270	24,947	25,031	24,632	23,887	24,671	25,177	26,123	26,713	27,104	27,013	27,342
Massachusetts.....	5,271	5,067	5,105	5,389	5,441	5,455	4,815	4,988	5,186	5,298	5,480	5,524	5,602

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	13
Reporting expenditures for plant and equipment.....	11
Value of products:	
Total for the industry.....	\$49,980,591
Reporting expenditures for plant and equipment.....	48,634,719
Expenditures for plant and equipment:	
Total for the industry.....	1,535,630
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	155,691
Expenditures for new machinery and operating equipment.....	1,353,901
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	26,038

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$11,663,497	\$13,325,939
Finished products.....	7,984,115	8,141,341
Materials, supplies, etc.....	3,679,382	5,184,598
End of year, total.....	12,578,168	18,644,636
Finished products.....	8,319,914	13,097,732
Materials, supplies, etc.....	4,258,254	5,546,904
Value of products for the industry, total.....	49,980,591	64,455,332
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	49,959,313	64,455,332
Value for establishments not reporting inventories.....	21,278	

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments.....	13	22
Number of establishments reporting power equipment.....	13	22
Prime movers, aggregate:		
Number.....	46	40
Horsepower.....	8,727	14,440

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929—Continued

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators, total—		
Number.....	11	140
Horsepower.....	4,747	14,440
Steam engines—		
Number.....	9	124
Horsepower.....	4,147	11,625
Steam turbines—		
Number.....		17
Horsepower.....		1,690
Hydroturbines and water wheels—		
Number.....	2	19
Horsepower.....	600	12,125
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	975	
Prime movers not driving generators, total—		
Number.....	35	
Horsepower.....	3,980	
Steam engines—		
Number.....	27	
Horsepower.....	2,825	
Steam turbines—		
Number.....	5	( <sup>2</sup> )
Horsepower.....	355	
Hydroturbines and water wheels—		
Number.....	3	
Horsepower.....	800	
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	800	
Generators, kilowatt rating, total.....	3,075	3,507
Generators, driven by:		
Steam engines, kilowatt rating.....	2,675	( <sup>2</sup> )
Hydroturbines and water wheels, kilowatt rating.....	400	
Generators, ordinarily idle (included above), kilowatt rating.....	650	( <sup>3</sup> )
Electric motors, total:		
Number.....	6,483	4,952
Horsepower.....	61,478	54,648
Driven by purchased energy—		
Number.....	6,035	4,569
Horsepower.....	56,384	48,163
Driven by energy generated in establishments reporting—		
Number.....	448	383
Horsepower.....	5,094	6,485
Electric energy (kilowatt-hours):		
Generated in plant.....	5,110,982	( <sup>3</sup> )
Purchased.....	61,164,893	69,059,707

1 Includes data for prime movers not driving generators.

2 Not called for on schedule.

3 Data not available.

# RECLAIMED RUBBER

[A preliminary report for this industry was issued September 17, 1940]

**Description of the industry.**—This industry embraces those establishments primarily engaged in the reclaiming of rubber. It does not include the reclaiming of rubber in plants engaged in manufacturing rubber goods.

This industry for 1937 and prior years was part of the former industry entitled "Rubber goods other than tires, inner tubes, and boots and shoes."

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, and purchased electric energy	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	10	1,072	\$1,477,036	\$2,992,406	\$6,894,018	\$3,901,612	760
1937 <sup>4</sup> .....	9	1,258	1,830,397	4,172,377	7,942,934	3,770,557	( <sup>5</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> No comparable data for years prior to 1937.  
<sup>5</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL FOR THE UNITED STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States
Number of establishments <sup>1</sup> .....	<sup>2</sup> 10
Proprietors and firm members.....	1,072
Persons reported by manufacturing establishments, total <sup>3</sup> .....	1,282
Salaried officers of corporations <sup>3</sup> .....	16
Manufacturing:	
Salaried employees <sup>3</sup> .....	96
Wage earners (average for the year) <sup>4</sup> .....	1,072
Distribution.....	31
Construction.....	62
Other.....	5
Salaries and wages, total <sup>3</sup> .....	\$1,969,617
Salaried officers <sup>3</sup> .....	159,000
Manufacturing:	
Salaries <sup>3</sup> .....	227,207
Wages.....	1,477,036

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND FOR NEW JERSEY, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	1,072	1,010	1,015	1,017	1,080	1,040	1,042	1,052	1,068	1,041	1,157	1,178	1,169
1937.....	1,258	1,165	1,228	1,229	1,258	1,290	1,277	1,310	1,332	1,332	1,339	1,228	1,110
New Jersey, 1939.....	429	421	422	420	419	415	405	412	419	427	457	467	463

TABLE 2.—GENERAL STATISTICS IN DETAIL FOR THE UNITED STATES: 1939—Continued

ITEM	United States
Salaries and wages—Continued.	
Distribution.....	\$48,676
Construction.....	52,599
Other.....	5,099
Cost of materials, supplies, containers, fuel, and purchased electric energy, total.....	2,992,406
Materials, supplies, and containers.....	2,249,921
Fuel.....	175,271
Purchased electric energy.....	567,214
Value of products.....	6,894,018
Value added by manufacture <sup>4</sup> .....	3,901,612

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> Illinois, 1 establishment; Maryland, 1; New Jersey, 4; New York, 1; Ohio, 2; Pennsylvania, 1.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Reclaimed Rubber industry, all products, total value.....	\$6,894,018	\$7,942,934
Reclaimed rubber, value.....	\$6,756,925	\$7,758,292
Other products (not classified in this industry).....	\$137,093	\$184,642
Reclaimed rubber:		
Aggregate pounds.....	340,186,856	399,629,061
Aggregate value.....	\$16,961,561	\$19,737,528
Produced in the industry—		
Pounds.....	131,742,137	138,120,211
Value.....	\$6,756,925	\$7,758,292
Produced as secondary products in other industries—		
Pounds.....	<sup>2</sup> 208,444,719	261,508,850
Value.....	<sup>2</sup> \$10,204,636	\$11,979,236

<sup>1</sup> Chiefly value of miscellaneous unspecified rubber products, scrap and salable refuse, and receipts for contract work.  
<sup>2</sup> Produced in the Tires and Inner Tubes industry, the Rubber Products Not Elsewhere Classified industry, and the Chemicals Not Elsewhere Classified industry.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES

No figures for this industry for table 4. All production statistics in table 3.

## CENSUS OF MANUFACTURES: 1939

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	10
Reporting expenditures for plant and equipment.....	10
Value of products:	
Total for the industry.....	\$6,894,018
Reporting expenditures for plant and equipment.....	6,894,018
Expenditures for plant and equipment:	
Total for the industry.....	431,270
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	200,415
Expenditures for new machinery and operating equipment.....	228,838
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	2,017

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$1,167,355	\$1,655,493
Finished products.....	573,892	1,163,359
Materials, supplies, etc.....	593,463	492,134
End of year, total.....	1,180,829	1,674,905
Finished products.....	550,642	713,577
Materials, supplies, etc.....	624,187	961,328
Value of products for the industry, total.....	6,894,018	7,942,934
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	6,497,599	7,942,934
Value for establishments not reporting inventories.....	396,419	

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	10
Number of establishments reporting power equipment.....	10
Prime movers, aggregate:	
Number.....	4
Horsepower.....	769
Prime movers, Diesel and semi-Diesel engines, driving generators, total—	
Number.....	1
Horsepower.....	450
Prime movers not driving generators, total—	
Number.....	3
Horsepower.....	310
Steam engines—	
Number.....	1
Horsepower.....	175
Steam turbines—	
Number.....	2
Horsepower.....	135
Generators, driven by Diesel and semi-Diesel engines, kilowatt rating, total.....	300
Electric motors, total—	
Number.....	865
Horsepower.....	32,061
Driven by purchased energy—	
Number.....	847
Horsepower.....	31,711
Driven by energy generated in establishments reporting—	
Number.....	18
Horsepower.....	350
Electric energy (kilowatt-hours):	
Generated in plant.....	2,000,000
Purchased.....	81,650,137

<sup>1</sup> Comparable data for 1929 not available.

## RUBBER PRODUCTS NOT ELSEWHERE CLASSIFIED

[A preliminary report for this industry was issued November 15, 1940]

**Description of the industry.**—This industry embraces those establishments primarily engaged in the manufacture of rubber heels; soles, including composition or fiber; soling strips; mechanical soft rubber goods such as belts, hose and tubing, plumbers' supplies; hard rubber goods such as battery boxes, combs, cigar and cigarette holders and druggists' sundries; rubber tile flooring; rubberized fabrics and clothing; sponge rubber products; tire sundries and repair materials; and tire retreading done on a factory basis.

**Statistics for prior years.**—For 1937 and prior years the title of this industry was Rubber Goods Other than Tires, Inner Tubes and Boots and Shoes, and it included establishments which for the 1939 census are classified in the Reclaimed Rubber industry. The figures shown for 1937 for this industry are the result

of a retabulation of the reports, to obtain figures comparable with those for 1939. No retabulation was made for prior years.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse power of prime movers
1939.....	519	50,692	\$53,357,735	\$122,875,377	\$264,525,200	\$141,649,823	46,386
1937 <sup>4</sup> .....	411	46,914	52,345,742	115,755,036	234,774,018	119,018,982	( <sup>5</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>4</sup> No comparable data available for prior years. See "Statistics for prior years," above.

<sup>5</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Connecticut	Illinois	Indiana	Maryland	Massachusetts	Michigan	Missouri	New Jersey
Number of establishments <sup>1</sup> .....	519	54	17	34	15	12	63	16	14	51
Proprietors and firm members.....	156	43	1	8	-----	6	13	5	5	2
Persons reported by manufacturing establishments, total <sup>2</sup> .....	63,189	1,715	2,859	2,613	3,635	811	8,997	1,784	910	12,211
Salaried officers of corporations <sup>3</sup> .....	741	43	31	37	34	15	92	17	19	106
Manufacturing:										
Salaried employees <sup>4</sup> .....	6,666	170	307	208	352	43	863	165	47	1,419
Wage earners (average for the year) <sup>5</sup> .....	50,692	1,262	2,413	2,251	3,101	689	7,343	1,534	803	9,709
Distribution.....	4,003	203	97	113	96	64	566	62	35	741
Construction.....	955	34	9	4	48	-----	128	5	3	211
Other.....	132	3	2	-----	4	-----	5	1	3	25
Salaries and wages, total <sup>6</sup> .....	\$80,732,785	\$2,548,653	\$3,509,179	\$3,180,947	\$3,814,991	\$750,038	\$10,988,281	\$2,449,334	\$921,572	\$17,069,577
Salaried officers <sup>7</sup> .....	4,981,425	257,110	203,184	239,780	245,151	88,395	795,088	112,995	79,578	812,912
Manufacturing:										
Salaries <sup>8</sup> .....	12,339,249	323,662	580,812	377,633	637,346	55,535	1,529,089	422,829	112,421	2,945,655
Wages.....	53,357,735	1,442,036	2,481,598	2,409,189	2,698,016	506,406	7,196,890	1,740,244	664,236	11,216,289
Distribution.....	8,397,868	467,559	226,228	149,145	161,348	99,702	1,303,621	165,404	57,359	1,728,019
Construction.....	1,491,092	54,442	15,255	5,200	69,064	-----	155,522	6,552	4,940	339,963
Other.....	165,416	3,844	2,102	-----	4,066	-----	8,071	1,310	3,008	26,739
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	122,875,377	4,214,762	4,870,485	4,595,123	5,251,220	1,350,233	22,741,162	4,090,291	2,109,590	20,815,322
Materials, supplies, and containers.....	115,274,427	3,965,876	4,507,371	4,312,853	4,868,858	1,271,431	21,303,760	3,792,765	2,022,306	19,395,518
Fuel.....	3,096,216	65,769	134,003	88,995	145,018	20,351	681,319	102,565	9,015	635,685
Purchased electric energy.....	4,203,621	166,914	195,409	190,491	273,030	58,410	620,557	194,961	61,759	784,119
Contract work.....	301,113	16,203	33,705	2,784	24,314	41	135,526	-----	16,510	-----
Value of products.....	264,525,200	9,802,283	10,933,503	9,661,073	11,079,788	2,658,882	41,438,805	8,809,345	4,296,679	45,630,621
Value added by manufacture <sup>9</sup> .....	141,649,823	5,587,521	6,063,015	5,065,950	5,828,568	1,308,649	18,697,643	4,719,054	2,187,089	24,815,299

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	New York	Ohio	Pennsylvania	Rhode Island	Tennessee	Texas	Washington	Wisconsin	Other States <sup>1</sup>
Number of establishments <sup>1</sup> .....	66	79	27	10	4	7	4	13	33
Proprietors and firm members.....	21	15	11	.....	2	7	2	4	11
Persons reported by manufacturing establishments, total <sup>2</sup> .....	5,377	8,609	3,111	4,071	38	119	43	801	5,485
Salaried officers of corporations <sup>2</sup> .....	73	134	43	24	3	5	3	18	44
Manufacturing:									
Salaried employees <sup>2</sup> .....	439	1,017	377	530	2	9	6	108	604
Wage earners (average for the year) <sup>3</sup> .....	4,481	7,064	2,495	3,332	31	93	29	628	3,434
Distribution.....	268	291	192	75	2	12	5	42	1,139
Construction.....	103	96	4	47	.....	.....	.....	1	262
Other.....	13	7	.....	63	.....	.....	.....	4	2
Salaries and wages, total <sup>2</sup> .....	\$6,619,048	\$11,517,441	\$3,993,731	\$5,251,778	\$34,090	\$161,833	\$64,329	\$896,980	\$6,960,983
Salaried officers <sup>2</sup> .....	464,634	816,519	280,849	209,753	8,552	24,035	6,000	81,255	249,635
Manufacturing:									
Salaries <sup>2</sup> .....	848,221	1,918,018	526,104	922,119	2,080	19,100	8,662	143,985	970,978
Wages.....	4,519,408	7,957,233	2,841,260	3,610,854	20,401	81,427	38,866	577,024	3,356,418
Distribution.....	605,953	653,722	334,151	328,693	3,057	37,271	10,861	91,566	1,974,179
Construction.....	172,590	164,512	5,367	88,993	.....	.....	.....	350	408,342
Other.....	13,242	7,437	.....	91,366	.....	.....	.....	2,800	1,431
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	12,631,034	16,335,619	5,920,252	7,210,156	81,710	445,794	50,231	1,539,120	8,623,270
Materials, supplies, and containers.....	12,037,271	15,251,688	5,578,075	6,741,006	80,652	425,574	45,272	1,466,225	8,167,926
Fuel.....	239,806	429,162	151,529	172,615	388	4,868	2,126	23,602	195,500
Purchased electric energy.....	338,414	532,134	188,996	288,919	670	15,352	2,833	34,874	255,779
Contract work.....	21,543	22,685	1,652	7,716	.....	.....	.....	14,419	4,065
Value of products.....	26,911,866	35,435,873	12,540,595	16,253,109	155,704	815,724	159,417	3,445,884	24,496,249
Value added by manufacture <sup>4</sup> .....	14,280,632	19,100,254	6,620,343	9,042,953	73,994	369,930	109,186	1,906,764	15,872,979

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>5</sup> Arkansas, 1 establishment; Colorado, 1; Delaware, 3; Georgia, 2; Iowa, 3; Kentucky, 2; Maine, 3; Minnesota, 3; Nebraska, 2; North Carolina, 1; Oklahoma, 3; Oregon, 2; South Carolina, 2; Vermont, 1; Virginia, 3; West Virginia, 1.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939	1937
Rubber Products Not Elsewhere Classified industry, all products, total value.....	\$284,525,200	\$234,774,018
Rubber products not elsewhere classified.....	245,306,044	224,145,923
Receipts for contract and repair work.....	1,306,554	554,576
Miscellaneous products, not specified.....	3,337,431	10,073,519
Other products (not classified in this industry) <sup>1</sup> .....	14,575,171	.....
Rubber products, not elsewhere classified, total value.....	332,135,122	321,847,962
Rubber products, not elsewhere classified, made in this industry.....	245,306,044	224,145,923
Rubber products, not elsewhere classified, made as secondary products in other industries.....	86,829,078	97,702,039

<sup>1</sup> Revised.<sup>2</sup> Chiefly value of rubber garments, rubber tires and inner tubes, rubber boots and shoes, and brake linings.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939	1937
Rubber products, not elsewhere classified, total value.....	\$332,135,122	\$321,847,962
Heels:		
Pairs.....	265,665,741	295,081,194
Value.....	\$14,494,077	\$16,285,139
Soles, including composition or fiber:		
Pairs.....	146,557,290	72,476,284
Value.....	\$15,113,561	\$10,750,044
Soling strips and top-lift sheets:		
Square feet.....	8,338,017	8,072,411
Value.....	\$1,727,815	\$2,075,999
Rubberized fabrics, made for sale as such:		
Automobile and carriage—		
Square yards.....	6,925,676	6,006,465
Value.....	\$1,710,225	\$2,122,853
Raincoat—		
Square yards.....	12,216,969	21,374,062
Value.....	\$2,126,449	\$4,873,452
Hospital sheeting—		
Square yards.....	3,857,247	2,982,123
Value.....	\$1,639,519	\$1,072,522
All other, value.....	\$16,178,430	\$13,562,630

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

PRODUCT	1939	1937
Mechanical rubber goods:		
Belts and belting—		
Conveyor and elevator—		
Pounds.....	18,583,416	15,759,803
Value.....	\$7,791,747	\$6,901,352
Transmission, flat—		
Pounds.....	15,734,803	21,793,187
Value.....	\$7,304,147	\$13,381,938
V-belts—		
Motor vehicle—		
Pounds.....	11,006,447	.....
Value.....	\$5,304,363	.....
Other (including V-flat and V-cog)—		
Pounds.....	9,358,068	21,153,490
Value.....	\$7,431,716	\$11,776,615
All other, value.....	\$627,517	.....
Rubber hose:		
Garden—		
Pounds.....	45,533,630	46,932,725
Value.....	\$6,471,085	\$7,058,709
Airbrake, airline, and other pneumatic—		
Pounds.....	13,143,099	13,486,496
Value.....	\$4,474,897	\$4,914,841
Fire hose—		
Pounds.....	12,628,955	9,345,767
Value.....	\$5,460,007	\$4,726,025
Oil and gasoline—		
Pounds.....	8,886,508	65,460,793
Value.....	\$4,433,704	\$19,218,945
All other hose, value.....	\$17,329,130	.....
Rubber tubing:		
Pounds.....	11,438,326	22,961,182
Value.....	\$2,608,622	\$4,491,613
Rubber packing:		
Pounds.....	13,483,266	14,046,511
Value.....	\$2,955,353	\$3,550,830
Washers, gaskets, valves, pump sleeves, and liner strips:		
Pounds.....	18,787,405	15,017,089
Value.....	\$7,137,343	\$5,035,917
Jar rings:		
Gross.....	9,782,241	6,117,233
Value.....	\$2,667,432	\$1,954,964
Insulation products:		
Rubber and friction tape, value.....	\$4,338,993	\$4,538,355
Molded articles for motor vehicles (vibration and sound)—		
Pounds.....	39,840,987	60,420,110
Value.....	\$10,385,021	\$13,223,241

RUBBER PRODUCTS NOT ELSEWHERE CLASSIFIED

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

PRODUCT	1939	1937
Mechanical rubber goods—Continued.		
Insulation products—Continued.		
Other insulation products (compounds and insulators)—		
Pounds.....	8,071,700	10,596,082
Value.....	\$1,622,940	\$2,898,880
Rubber-covered rolls:		
Printers' rolls, value.....	\$1,228,607	
All other, value.....	\$3,655,395	
Mechanical goods not elsewhere classified, value.....	\$32,153,654	\$43,760,553
Rubber flooring (tile or sheet):		
Square feet.....	9,093,345	8,771,293
Value.....	\$2,620,312	\$2,064,697
Rubber mats and matting, value.....	\$11,209,814	\$10,624,692
Hard-rubber goods, except druggists' sundries:		
Battery jars, boxes, and parts, value.....	\$11,682,839	\$7,042,480
Combs, value.....	\$2,353,759	\$2,261,676
Mouthpieces for pipes, and cigar and cigarette holders, value.....	\$453,990	\$401,103
All other, value.....	\$4,738,613	\$7,006,142
Rubber thread:		
Pounds.....	19,704,379	5,618,105
Value.....	\$7,539,142	\$3,475,477
Rubber cement:		
Quantity reported—		
Gallons.....	17,218,330	15,447,489
Value.....	\$8,972,121	\$8,931,113
Quantity not reported, value.....	\$192,541	
Rubber and rubberized gloves and mittens:		
Household—		
Dozen pairs.....	892,038	
Value.....	\$1,181,067	
Surgeons—		
Dozen pairs.....	851,581	1,185,224
Value.....	\$1,099,605	\$2,172,950
Electricians—		
Dozen pairs.....	12,899	14,716
Value.....	\$298,847	\$275,862
Work gloves—		
Dozen pairs.....	222,833	175,427
Value.....	\$603,054	\$532,735
All other, value.....	\$332,814	
Druggists' and medical sundries:		
Water bottles and fountain syringes—		
Dozens.....	684,922	640,554
Value.....	\$3,031,179	\$3,372,375
Nipples and pacifiers—		
Gross.....	423,709	517,281
Value.....	\$1,384,264	\$1,209,716
All other (including medical, dental, and surgical hard rubber), value.....	\$7,037,325	\$5,747,022
Stationers' rubber bands:		
Pounds.....	5,229,431	4,274,434
Value.....	\$1,851,930	\$1,749,292
Erasers, except pencil plugs:		
Quantity reported—		
Pounds.....	1,316,896	1,679,373
Value.....	\$658,448	\$902,231
Quantity not reported, value.....	\$367,185	
Sponge-rubber products not elsewhere classified, value.....	\$11,133,229	\$9,291,743
Rebuilt or retreaded tires:		
Number.....	1,236,392	815,247
Value.....	\$4,701,316	\$2,880,167
Camelback:		
Pounds.....	54,223,474	34,126,448
Value.....	\$10,611,932	\$7,229,895
Tire sundries and repair materials, value.....	\$8,816,419	\$8,899,532
Bathing caps:		
Dozens.....	1,074,010	789,504
Value.....	\$1,530,913	\$1,230,106
All other manufactures of rubber, value <sup>1</sup> .....	\$39,060,715	\$35,775,939

<sup>1</sup>Includes uncovered (bare) and textile-covered rubber thread. In addition, 3,604,890 lbs. of covered rubber thread was made in the Cotton Manufactures industries, valued at \$3,732,994.

<sup>2</sup>Includes value as follows: For 1939—rubber clothing, \$11,763,809; toy balloons, \$2,125,628; and play balls and other rubber toys \$5,452,829. For 1937—rubber clothing, \$11,054,705; toy balloons, \$2,488,299; and play balls and other rubber toys, \$4,777,832. The total value of rubber toys is given in the report for "Games and toys (except dolls and children's vehicles)."

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939

KIND AND STATE	Quantity	Value
Aggregate.....		\$332,135,122
Heels, total.....	265,665,741	14,494,077
Maryland.....	26,030,833	1,544,565
Massachusetts.....	29,386,699	1,414,718
Other States (Calif., Ind., Maine, Mo., Nebr., N. H., N. J., N. Y., Ohio, Oreg., Pa., R. I., Vt., Va.).....	210,248,209	11,534,794
Soles, including composition or fiber, total.....	146,557,290	15,113,561
Massachusetts.....	87,587,631	7,282,403
Other States (Calif., Conn., Del., Ill., Ind., Ky., Maine, Md., Mo., N. J., N. Y., Ohio, Oreg., Pa., R. I., Vt., Va.).....	58,969,659	7,831,158
Soling strips and top-lift sheets, total.....	8,338,017	1,727,815
Maryland.....	628,631	167,564
Other States (Conn., Del., Maine, Mass., N. J., N. Y., Ohio, R. I., Vt., Va.).....	7,709,386	1,560,251
Rubberized fabrics, made for sale as such:		
Automobile and carriage, total.....	6,925,676	1,710,225
Massachusetts.....	1,550,467	432,303
Other States (Conn., Ind., Mich., Ohio, Pa.).....	5,375,179	1,277,922
Raincoat, total.....	12,216,969	2,126,449
Massachusetts.....	10,692,908	1,794,871
Other States (Calif., Conn., Ill., Ind., N. J., N. Y., Pa., Wis.).....	1,524,061	331,578
Hospital sheeting, total.....	3,857,247	1,639,519
Massachusetts.....	1,471,577	495,145
Other States (Conn., Ill., Mo., N. Y., Ohio, Pa., R. I.).....	2,385,670	1,144,374
All other, total.....		16,178,430
Connecticut.....		2,303,572
Massachusetts.....		5,142,819
New York.....		3,843,724
Ohio.....		956,732
Other States (Del., Ill., Ind., Mich., Mo., N. J., Pa., R. I., Wis.).....		3,931,583
Mechanical rubber goods:		
Belts and belting—		
Conveyor and-elevator, total.....	18,533,416	7,791,747
California.....	1,137,508	522,108
New Jersey.....	5,045,544	1,588,038
Other States (Del., Ill., Mass., N. Y., Ohio, Pa., Wash.).....	12,400,364	5,681,601
Transmission, flat, total.....	15,734,803	7,304,147
New Jersey.....	6,132,980	2,530,548
Ohio.....	5,999,415	2,919,875
Other States (Calif., Del., Mass., Mo., N. Y., Pa.).....	3,602,408	1,844,724
V-belts:		
Motor vehicle, total.....	11,006,447	5,304,363
Ohio.....	5,741,181	2,819,652
Pennsylvania.....	572,157	194,734
Other States (Calif., Colo., Conn., Ga., Mass., Minn., Nebr., N. J., N. Y.).....	4,693,109	2,289,977
Other (including V-flat and V-cog), total.....	9,358,068	7,431,716
Ohio.....	4,306,322	2,957,217
Other States (Calif., Colo., Nebr., N. J., Pa.).....	5,051,746	4,474,499
All other (Calif., Colo., Mass., Minn., Nebr., N. J., Ohio, Pa., S. C.).....		627,517
Rubber hose:		
Garden, total.....	45,533,630	6,471,085
Ohio.....	18,779,875	2,905,970
Other States (Calif., Colo., Del., Mass., Nebr., N. J., N. Y., Pa., R. I.).....	26,753,755	3,565,115
Airbrake, airline, and other pneumatic, total.....	13,143,099	4,474,897
New Jersey.....	2,477,563	850,930
Ohio.....	5,600,595	2,216,417
Other States (Calif., Colo., Mass., Nebr., N. Y., N. C., Pa., Tenn.).....	5,064,941	1,407,550

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Quantity	Value
<b>Mechanical rubber goods—Continued.</b>		
Rubber hose—Continued.		
Fire hose, total.....	<i>Pounds</i> 12,628,955	\$5,460,007
New Jersey.....	4,785,076	1,909,890
Ohio.....	2,988,655	1,564,679
Other States (Calif., Mass., N. Y., Pa.).....	4,855,224	1,985,438
Oil and gasoline, total.....	8,886,508	4,433,704
New Jersey.....	2,084,609	731,086
Other States (Calif., Colo., Del., Mass., Nebr., N. Y., Ohio, Pa., Tenn.).....	6,801,899	3,702,618
All other, total.....		17,329,130
California.....		412,657
New Jersey.....		5,721,302
Ohio.....		6,451,547
Pennsylvania.....		296,070
Other States (Colo., Conn., Del., Ga., Ind., Md., Mass., Minn., Nebr., N. Y., S. C.).....		4,447,554
Rubber tubing, total.....	11,438,326	2,608,622
Massachusetts.....	1,682,102	401,201
New Jersey.....	1,991,632	618,791
Ohio.....	4,939,907	819,039
Other States (Calif., Colo., Conn., Ill., Ind., Mich., N. Y.).....	2,824,685	769,591
Rubber packing, total.....	13,483,266	2,955,353
New Jersey.....	4,988,784	1,309,175
New York.....	894,931	304,032
Ohio.....	3,626,029	780,657
Other States (Calif., Conn., Ill., Ind., Mass., Pa.).....	3,973,522	561,489
Washers, gaskets, valves, pump sleeves, and liner strips, total.....	18,787,405	7,137,343
California.....	445,380	246,555
Illinois.....	429,640	256,032
Indiana.....	5,097,358	1,224,688
New Jersey.....	4,304,110	2,096,884
Ohio.....	6,882,843	2,754,198
Other States (Conn., Mass., N. Y., Oreg., Pa., Va., Wash.).....	1,628,074	558,976
Jar rings, total.....	<i>Gross</i> 9,782,241	2,667,432
New Jersey.....	1,368,145	384,537
Other States (Conn., Ind., Mass., Mich., Mo., Nebr., Ohio, Pa.).....	8,414,096	2,282,895
Insulation products:		
Rubber and friction tape, total.....		4,338,993
New Jersey.....		1,153,994
Massachusetts.....		1,576,148
Other States (Calif., Conn., Ga., Ill., Minn., Mo., Ohio).....		1,608,851
Molded articles for motor vehicles (vibration and sound), total.....	<i>Pounds</i> 39,840,987	10,385,021
Michigan.....	14,397,050	3,156,692
Ohio.....	11,229,367	3,401,508
Other States (Calif., Conn., Ill., Ind., N. J., Pa., Va.).....	14,214,570	3,826,821
Other insulation products (compounds and insulators) (Calif., Conn., Mass., Mich., Ohio, Va.).....	8,071,700	1,622,940
Rubber-covered rolls:		
Printers' rolls, total.....		1,228,607
California.....		65,769
New Jersey.....		78,223
Ohio.....		337,495
Other States (Ill., Mass., Nebr., N. Y., R. I., S. C., Wis.).....		747,120
All other, total.....		3,655,395
California.....		35,823
Indiana.....		78,451
Massachusetts.....		257,067
Ohio.....		876,353
Pennsylvania.....		429,124
Other States (Conn., Ill., Md., Mich., N. J., N. Y., N. C., Oreg., R. I., S. C., Wash.).....		1,978,577
Mechanical goods not elsewhere classified, total.....		32,153,654
California.....		1,390,192
Connecticut.....		1,232,682
Indiana.....		2,496,001
Massachusetts.....		881,987
Michigan.....		2,876,006
New Jersey.....		5,236,621
New York.....		512,822
Ohio.....		12,222,575
Pennsylvania.....		1,113,270
Other States (Colo., Ill., Iowa, Md., Nebr., N. C., R. I., Tenn., Tex., Va., Wash., Wis.).....		4,091,498

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Quantity	Value
Rubber flooring (tile or sheet), total.....	<i>Square feet</i> 9,993,345	\$2,920,312
Massachusetts.....	2,379,440	725,382
New Jersey.....	1,901,340	579,608
Other States (Calif., Conn., Ill., Ind., N. Y., Ohio, Pa., R. I., Wis.).....	5,712,565	1,615,322
Rubber mats and matting, total.....		11,209,814
California.....		379,016
Illinois.....		88,134
New Jersey.....		726,137
New York.....		28,152
Ohio.....		4,457,947
Other States (Colo., Conn., Ind., Mass., Mich., Nebr., Pa., R. I., Va., Wash., Wis.).....		5,530,423
Hard-rubber goods, except druggists' sundries:		
Battery jars, boxes, and parts, total.....		11,682,839
New Jersey.....		2,381,616
Ohio.....		1,306,343
Other States (Calif., Colo., Ill., Ind., Mass., N. Y., R. I., Tenn.).....		7,994,880
Combs (Conn., Mass., N. J., Pa.).....		2,353,759
Mouth pieces for pipes, and cigar and cigarette holders (Mass., N. J., N. Y., Pa.).....		453,990
All other, total.....		4,738,613
Ohio.....		1,903,237
Other States (Calif., Conn., Ill., Ind., Mass., N. J., Wis.).....		2,835,376
Rubber thread, total.....	<i>Pounds</i> 7,044,379	7,539,142
Rhode Island.....	8,284,310	6,416,987
Other States (Conn., Mass., Ohio).....	1,420,069	1,122,155
Rubber cement:		
Quantity reported, total.....	<i>Gallons</i> 17,218,330	8,972,121
Massachusetts.....	8,462,404	4,266,115
New Jersey.....	724,972	429,769
New York.....	814,443	436,324
Ohio.....	1,087,764	631,623
Other States (Calif., Colo., Conn., Ill., Iowa, Maine, Md., Mich., Minn., Mo., Okla., Pa., R. I., Tex., Vt., Wis.).....	6,128,747	3,208,300
Quantity not reported, total.....		192,541
Massachusetts.....		141,841
Other States (Mo., N. Y.).....		50,700
Rubber and rubberized gloves and mittens:		
Household, total.....	<i>Dozen pairs</i> 892,038	1,181,067
Ohio.....	775,275	1,009,596
Other States (Calif., Conn., Del.).....	116,763	171,471
Surgeons' (Conn., Ohio, R. I.).....	851,581	1,099,605
Electricians' (Ohio).....	12,899	298,847
Work gloves (Calif., Conn., Mass., Ohio, R. I.).....	222,833	608,054
All other (Calif., Ohio, Pa., R. I.).....		332,814
Druggists' and medical sundries:		
Water bottles and fountain syringes, total.....	<i>Dozens</i> 684,922	3,031,179
New York.....	17,056	82,795
Ohio.....	239,671	1,070,290
Other States (Conn., Mass., N. J., R. I.).....	428,195	1,878,094
Nipples and pacifiers (Conn., Mass., N. J., N. Y., Ohio, Pa., R. I.).....	<i>Gross</i> 423,709	1,384,264
All other (including medical, dental, and surgical hard rubber), total.....		7,037,325
New Jersey.....		1,679,414
New York.....		387,270
Ohio.....		2,196,631
Other States (Calif., Conn., Mass., Mo., Okla., Pa., R. I.).....		2,774,010
Stationers' rubber bands (Calif., Conn., Mass., N. J., N. Y., Ohio, R. I.).....	<i>Pounds</i> 5,229,431	1,851,930
Erasers, except pencil plugs:		
Quantity reported (N. J., N. Y.).....	1,316,896	658,448
Quantity not reported (Ga., Ill., N. J., N. Y., Pa.).....		367,185
Sponge-rubber products not elsewhere classified, total.....		11,133,229
California.....		61,042
Connecticut.....		2,005,359
Illinois.....		1,361,461
Indiana.....		2,743,607
New York.....		1,058,221
Ohio.....		1,706,260
Other States (Iowa, Md., Mass., Mich., Minn., N. J., Pa., R. I., Va.).....		2,197,279

RUBBER PRODUCTS NOT ELSEWHERE CLASSIFIED

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Quantity		Value
	Number	Pounds	
Rebuilt or retreaded tires, total.....	1,236,392		\$4,701,316
California.....	289,524		970,197
Maryland.....	83,681		306,179
New York.....	52,646		276,286
Ohio.....	382,555		1,400,596
Pennsylvania.....	40,530		287,100
Other States (Ala., Conn., Ill., Me., Mass., Mich., N. J., Oreg., R. I., S. C., Wash., W. Va.).....	387,456		1,460,958
Camelback, total.....	54,223,474		10,611,932
California.....	17,359,334		3,425,951
Ohio.....	20,670,648		4,084,944
Other States (Colo., Conn., Ind., Md., Mass., Mich., N. J., N. C., Pa., Tenn., Tex.).....	16,193,492		3,101,037
Tire sundries and repair materials, total.....			8,816,419
California.....			446,934
Illinois.....			310,163
Massachusetts.....			177,207
Missouri.....			209,368
Ohio.....			3,516,732
Pennsylvania.....			812,171
Texas.....			222,256

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Quantity		Value
	Dozen		
Tire sundries and repair materials—Continued.			
Other States (Ark., Colo., Ga., Ind., Iowa, Md., Mich., Minn., N. J., Okla., Oreg., R. I., Tenn., Wash., Wis.).....			\$3,121,588
Bathing caps, total.....	1,074,010		1,530,913
Massachusetts.....	163,004		270,347
Ohio.....	186,057		244,592
Other States (Conn., Del., N. Y., R. I.).....	724,949		1,015,974
All other manufactures of rubber, total <sup>1</sup> .....			39,060,715
Connecticut.....			2,492,145
Illinois.....			916,651
Indiana.....			3,497,998
Massachusetts.....			5,612,936
New Jersey.....			2,188,796
New York.....			9,330,045
Ohio.....			9,077,800
Pennsylvania.....			2,212,455
Wisconsin.....			1,282,531
Other States (Calif., Del., Iowa, Ky., Md., Mich., Nebr., R. I., Va.).....			2,469,338

<sup>1</sup> Includes values as follows: Rubber clothing, \$11,763,809; toy balloons, \$2,125,023; play balls and other rubber toys, \$5,452,820.

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	50,692	47,654	48,348	49,321	48,495	47,483	47,364	47,575	48,762	52,919	56,683	57,951	55,750
1937.....	46,914	46,983	47,758	48,443	49,136	49,138	47,544	46,163	46,936	46,638	47,445	45,272	42,510
California.....	1,262	1,185	1,165	1,191	1,218	1,243	1,273	1,262	1,296	1,317	1,345	1,364	1,330
Connecticut.....	2,413	2,290	2,335	2,371	2,428	2,308	2,199	2,251	2,310	2,434	2,601	2,767	2,662
Delaware.....	463	423	417	408	403	376	442	448	423	469	661	601	688
Illinois.....	2,251	2,107	2,119	2,194	2,079	1,973	1,855	1,771	2,068	2,559	2,858	2,722	2,672
Indiana.....	3,101	2,990	2,738	2,889	2,691	2,593	2,514	2,792	2,898	3,609	3,863	4,126	3,513
Iowa.....	370	364	316	351	299	299	233	267	285	502	530	519	477
Maine.....	79	77	91	103	110	77	66	63	63	66	75	78	77
Maryland.....	689	612	618	633	635	642	654	645	656	731	795	823	820
Massachusetts.....	7,343	6,965	7,346	7,417	7,337	6,987	6,968	7,386	7,315	7,481	7,855	7,674	7,387
Michigan.....	1,534	1,586	1,527	1,497	1,397	1,287	1,191	1,153	1,331	1,761	1,888	1,887	1,906
Missouri.....	803	830	832	849	814	780	759	735	765	798	833	818	818
New Jersey.....	9,709	9,199	9,199	9,195	9,208	9,141	9,223	9,363	9,677	9,751	10,419	11,170	11,068
New York.....	4,481	4,186	4,296	4,310	4,275	4,346	4,426	4,453	4,361	4,610	4,833	4,888	4,774
Ohio.....	7,064	6,604	6,720	6,853	6,747	6,706	6,786	6,326	6,560	7,529	8,172	8,187	7,563
Oklahoma.....	58	27	47	41	42	64	68	66	75	75	74	60	59
Pennsylvania.....	2,495	2,281	2,399	2,464	2,413	2,308	2,327	2,368	2,451	2,596	2,725	2,862	2,741
Rhode Island.....	3,332	3,421	3,464	3,581	3,469	3,321	3,142	2,978	2,914	3,139	3,403	3,560	3,586
Tennessee.....	31	28	28	28	27	27	30	33	38	43	32	29	29
Texas.....	93	85	88	85	94	95	98	104	101	94	93	91	90
Virginia.....	486	395	441	510	412	433	437	416	448	481	617	627	620
Washington.....	29	30	29	28	29	28	29	29	30	34	28	27	27
Wisconsin.....	628	538	574	640	603	553	594	643	650	631	750	722	642

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	519
Reporting expenditures for plant and equipment.....	391
Value of products:	
Total for the industry.....	\$264,525,200
Reporting expenditures for plant and equipment.....	248,514,840
Expenditures for plant and equipment:	
Total for the industry.....	10,272,583
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	2,076,003
Expenditures for new machinery and operating equipment.....	6,718,659
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	1,477,921

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$38,463,347	\$32,984,405
Finished products.....	15,545,632	11,731,797
Materials, supplies, etc.....	22,917,715	21,252,608
End of year, total.....	45,911,380	40,162,341
Finished products.....	17,573,947	15,999,817
Materials, supplies, etc.....	28,337,433	24,162,524
Value of products for the industry, total.....	264,525,200	234,774,018
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	261,740,647	229,409,945
Value for establishments not reporting inventories.....	2,784,553	5,364,073

## CENSUS OF MANUFACTURES: 1939

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939		1939
Number of establishments.....	519	Prime movers—Continued.	
Number of establishments reporting power equipment.....	508	Prime movers not driving generators—Continued.	
Prime movers, aggregate:		Other internal-combustion engines <sup>2</sup> —	
Number.....	280	Number.....	3
Horsepower.....	46,386	Horsepower.....	110
Prime movers, driving generators, total—		Hydroturbines and water wheels—	
Number.....	61	Number.....	1
Horsepower.....	36,866	Horsepower.....	60
Steam engines—		Prime movers not driving generators, ordinarily idle (included above), horsepower.....	705
Number.....	29	Generators, kilowatt rating, total.....	24,893
Horsepower.....	6,280	Generators, driven by—	
Steam turbines—		Steam engines, kilowatt rating.....	4,320
Number.....	27	Steam turbines, kilowatt rating.....	20,025
Horsepower.....	29,706	Diesel and semi-Diesel engines, kilowatt rating.....	548
Diesel and semi-Diesel engines—		Generators, ordinarily idle (included above), kilowatt rating.....	8,433
Number.....	5	Electric motors, total:	
Horsepower.....	880	Number.....	30,084
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	12,504	Horsepower.....	326,150
Prime movers not driving generators, total—		Driven by purchased energy—	
Number.....	219	Number.....	26,885
Horsepower.....	9,520	Horsepower.....	288,942
Steam engines—		Driven by energy generated in establishments reporting—	
Number.....	203	Number.....	3,199
Horsepower.....	8,103	Horsepower.....	39,208
Steam turbines—		Electric energy (kilowatt-hours):	
Number.....	10	Generated in plant.....	44,878,231
Horsepower.....	1,144	Purchased.....	319,632,185
Diesel and semi-Diesel engines—			
Number.....	2		
Horsepower.....	108		

<sup>1</sup> Comparable data for 1929 not available.<sup>2</sup> Gas, gasoline, etc.

## Group 12.—LEATHER AND LEATHER PRODUCTS

This group comprises two subgroups—"Leather: tanned, curried, and finished" and "Leather products." The first subgroup covers establishments tanning hides and skins and currying and finishing leather in regular factories and also in contract factories, while the second subgroup covers those establishments making products of leather and includes nine individual industries.

**Duplication in group totals for cost of materials and value of products.**—The cost-of-materials and value-of-products figures for the Leather and Leather Products group as a whole include considerable amounts of duplication resulting from the use of the products of establishments in certain industries as materials by establishments in other industries. In other words, the total value of products for the group includes not only the factory value of the finished products in the form in which they reach the final purchaser but also the value of the products of the "Leather: tanned, curried, and finished" industries, which are used as materials in the other leather industries, and the value

of the products of the "Boot and shoe cut stock and findings" industry, which are used as materials in the "Footwear" industry. Similarly, the total cost of materials for the group includes not only the cost of the hides and other basic raw materials produced outside the leather group and used as materials by tanneries, but also the amounts paid for tannery products and for boot and shoe cut stock and findings by establishments which use these products as materials for further manufacture. Furthermore, reduplication occurs in the case of boot and shoe cut stock not made in boot and shoe factories, for the value of the leather used in making such stock appears three times in the total value of products for the group—once as reported by the tanneries, again as a part of the value of the cut stock, and still again as a part of the value of finished boots and shoes. Within any one of the industries, however, there is little duplication resulting from the use of the products of some establishments as materials by others.

SUMMARY FOR GROUP 12.—LEATHER AND LEATHER PRODUCTS, 1899 TO 1939, AND FOR SUBGROUPS AND INDUSTRIES, 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>
1939	3,508	327,663	\$294,280,718	\$805,911,414	\$1,389,513,718	\$583,602,304
1937 <sup>5</sup>	3,249	328,657	308,026,560	897,229,180	1,475,069,070	585,779,890
1935	3,364	331,955	311,292,845	899,409,153	1,491,512,631	592,043,478
1933	3,506	310,755	279,739,647	694,292,645	1,224,431,165	530,133,520
1931	3,265	282,000	222,487,448	544,737,292	996,772,988	452,035,696
1929	3,702	272,757	262,129,700	666,200,319	1,189,876,183	523,676,864
1927	4,235	318,472	359,460,036	1,132,022,266	1,906,200,994	774,178,728
1925	4,272	316,081	364,536,761	1,088,516,473	1,869,615,351	780,788,878
1923	4,262	314,128	355,419,415	1,013,012,574	1,764,017,400	751,004,826
1921	4,830	344,745	388,811,212	1,089,647,088	1,850,827,861	797,180,773
1919	4,827	380,368	414,651,603	934,825,339	1,545,207,369	610,382,030
1917	6,423	350,070	364,035,649	1,714,909,973	2,613,217,012	898,315,034
1915	6,798	308,223	169,017,008	754,476,297	1,107,736,467	353,280,170
1913	5,785	311,312	155,814,405	471,459,261	996,631,965	325,202,704
1911	5,376	268,013	121,436,377	481,473,824	727,536,378	246,064,554
1899	5,685	249,913	101,981,555	397,911,513	584,782,371	186,870,858
SUMMARY FOR SUBGROUPS AND FOR INDIVIDUAL INDUSTRIES						
LEATHER: TANNED, CURRIED, AND FINISHED SUBGROUP						
1939	446	47,252	\$56,783,182	\$229,043,556	\$346,437,554	\$117,393,998
1937	402	50,687	61,288,375	281,506,081	395,022,313	113,516,232
LEATHER: TANNED, CURRIED, AND FINISHED—REGULAR FACTORIES OR JOBBERS ENGAGING CONTRACTORS						
1939	335	41,795	50,570,248	222,741,041	320,728,052	106,987,011
1937	331	48,132	58,332,160	279,220,257	387,908,170	108,687,913
LEATHER: TANNED, CURRIED, AND FINISHED—CONTRACT FACTORIES						
1939	111	5,457	6,212,934	6,302,515	16,709,502	10,406,987
1937	71	2,555	2,956,215	2,285,824	7,114,143	4,828,319
LEATHER PRODUCTS SUBGROUP						
1939	3,062	280,411	237,506,536	576,867,858	1,043,076,164	466,208,306
1937	2,847	277,864	246,738,205	609,723,099	1,079,936,757	470,263,658
1935	3,122	259,878	224,066,176	494,881,825	916,086,402	421,204,577
1933	2,891	237,811	179,411,491	406,560,364	759,570,740	353,010,375
1931	3,284	230,710	212,588,274	493,414,650	918,738,489	425,323,839
1929	3,814	268,540	296,046,979	794,424,398	1,424,860,695	630,436,297
1927	3,778	263,157	296,649,530	756,831,737	1,375,359,513	618,527,776
1925	3,721	261,865	289,585,303	716,059,086	1,311,831,400	595,772,314
1923	4,284	285,947	315,893,186	776,366,657	1,405,477,550	630,110,893
1921	4,219	231,408	256,911,093	657,100,420	1,161,842,321	504,741,901
1919	5,743	277,603	275,830,176	1,068,382,451	1,684,625,311	616,242,860
1917	6,057	252,287	138,002,511	470,230,877	740,554,762	270,323,885
1915	4,866	249,110	123,711,560	423,180,328	668,787,778	245,607,450
1913	4,327	208,774	94,387,225	290,294,751	474,917,392	184,622,641
1899	4,379	197,804	79,390,464	242,911,509	380,744,244	137,832,735

See footnotes at end of table.

SUMMARY FOR GROUP 12.—LEATHER AND LEATHER PRODUCTS, 1899 TO 1939, AND FOR SUBGROUPS AND INDUSTRIES, 1939 AND 1937—Continued

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>
<b>INDUSTRIAL LEATHER BELTING AND PACKING LEATHER</b>						
1939	190	2, 337	\$2, 860, 652	\$13, 596, 416	\$24, 410, 104	\$10, 813, 688
1937	182	2, 829	3, 354, 946	15, 528, 552	27, 900, 734	12, 372, 182
<b>BOOT AND SHOE CUT STOCK AND FINDINGS</b>						
1939	520	18, 845	17, 195, 728	90, 487, 474	129, 399, 406	38, 911, 932
1937	470	18, 755	17, 844, 474	95, 988, 358	132, 660, 355	36, 671, 997
<b>FOOTWEAR (EXCEPT RUBBER)</b>						
1939	1, 070	218, 028	183, 657, 529	388, 439, 102	734, 673, 111	346, 234, 009
1937	1, 080	215, 438	191, 305, 258	416, 305, 407	768, 327, 303	352, 021, 896
<b>LEATHER GLOVES AND MITTENS</b>						
1939	233	9, 995	7, 408, 682	13, 762, 985	26, 830, 856	13, 067, 871
1937	221	11, 637	9, 039, 087	15, 719, 653	30, 718, 238	14, 998, 585
<b>SUITCASES, BRIEF CASES, BAGS, TRUNKS, AND OTHER LUGGAGE</b>						
1939	329	8, 326	7, 918, 929	19, 214, 722	36, 591, 482	17, 376, 760
1937	277	8, 708	8, 458, 472	20, 534, 275	38, 719, 941	18, 186, 666
<b>WOMEN'S POCKETBOOKS, HANDRAGS, AND PURSES</b>						
1939	286	14, 048	11, 238, 826	32, 877, 638	55, 806, 860	22, 929, 222
1937	203	11, 306	9, 054, 250	24, 755, 732	43, 445, 540	18, 689, 808
<b>SMALL LEATHER GOODS</b>						
1939	118	3, 615	2, 760, 588	7, 371, 951	14, 334, 433	6, 962, 482
1937	68	2, 443	1, 850, 328	5, 341, 680	10, 217, 004	4, 875, 324
<b>SADDLERY, HARNESS, AND WHIPS</b>						
1939	156	2, 755	2, 388, 239	6, 876, 684	12, 118, 430	5, 241, 746
1937	139	3, 049	2, 688, 644	8, 110, 498	13, 416, 963	5, 306, 405
<b>LEATHER GOODS NOT ELSEWHERE CLASSIFIED</b>						
1939	160	2, 462	2, 087, 363	4, 240, 886	8, 911, 482	4, 670, 586
1937	207	3, 699	3, 132, 746	7, 438, 944	14, 580, 679	7, 141, 735

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> The 1937 figures in italics are comparable with the 1939 statistics and exclude data for 115 establishments which have been transferred to another industry. No adjustment was made for other years. The 1937 statistics in roman type are comparable with the statistics for earlier years.

<sup>6</sup> Revised. Revision not carried into group total.

GROUP 12.—LEATHER AND LEATHER PRODUCTS—GENERAL STATISTICS IN DETAIL, BY SUBGROUPS AND BY INDUSTRIES<sup>1</sup>: 1939

ITEM	Total for the group	LEATHER: TANNED, CURRIED, AND FINISHED		LEATHER PRODUCTS								
		1211	1212	1221	1230	1240	1250	1260	1271	1272	1291	1299
Number of establishments <sup>2</sup> .....	3, 508	335	111	190	520	1, 070	233	329	286	118	156	160
Proprietors and firm members.....	1, 746	89	61	96	293	237	225	233	180	87	100	145
Persons reported by manufacturing industries, total <sup>3</sup> .....	359, 858	45, 638	5, 954	3, 117	21, 293	236, 545	11, 123	9, 924	15, 700	4, 350	3, 351	2, 863
Salaried officers of corporations <sup>4</sup> .....	3, 982	449	147	192	474	1, 549	191	349	320	106	111	94
Manufacturing:.....												
Salaried employees <sup>4</sup> .....	19, 892	2, 800	320	297	1, 480	12, 540	572	559	668	264	255	137
Wage earners (average for the year) <sup>4</sup> .....	327, 663	41, 795	5, 457	2, 337	18, 845	218, 028	9, 995	8, 326	14, 048	3, 615	2, 755	2, 462
Distribution.....	7, 864	461	30	285	471	4, 189	336	688	651	365	221	167
Construction.....	374	133		6	22	195	9	1	1		6	1
Other.....	83				1	44	20	1	12		3	2
Salaries and wages, total <sup>5</sup> .....	\$366, 373, 544	\$61, 657, 237	\$7, 609, 003	\$4, 941, 253	\$22, 735, 477	\$222, 865, 621	\$9, 416, 347	\$11, 555, 796	\$14, 777, 416	\$4, 460, 959	\$3, 415, 580	\$2, 938, 855
Salaried officers <sup>4</sup> .....	22, 006, 217	3, 852, 326	752, 273	756, 615	2, 191, 965	9, 563, 517	714, 211	1, 452, 602	1, 350, 023	567, 822	357, 601	417, 262
Manufacturing:.....												
Salaries <sup>4</sup> .....	33, 150, 557	6, 015, 143	593, 759	585, 795	2, 351, 028	19, 817, 468	760, 998	928, 334	1, 178, 102	370, 886	348, 457	200, 587
Wages.....	294, 289, 718	50, 570, 248	6, 212, 634	2, 800, 682	17, 195, 728	183, 657, 529	7, 408, 682	7, 918, 929	11, 238, 826	2, 760, 588	2, 388, 239	2, 087, 363
Distribution.....	16, 375, 436	1, 043, 763	50, 037	725, 264	965, 273	9, 556, 540	499, 512	1, 255, 113	965, 542	771, 663	314, 374	228, 275
Construction.....	431, 412	175, 757		9, 115	29, 823	195, 078	10, 200	688	3, 655		4, 756	2, 340
Other.....	120, 204			3, 712	1, 680	75, 489	22, 744	130	11, 208		2, 153	3, 028
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	805, 911, 414	222, 741, 041	6, 302, 515	13, 596, 416	90, 487, 474	388, 439, 102	13, 762, 985	19, 214, 722	32, 877, 628	7, 371, 951	6, 876, 684	4, 240, 886
Materials, supplies, and containers.....	783, 178, 977	211, 063, 678	5, 461, 629	13, 374, 701	89, 572, 035	383, 343, 831	12, 574, 808	18, 914, 012	30, 972, 609	7, 024, 611	6, 756, 855	4, 120, 208
Fuel.....	5, 862, 310	3, 497, 296	452, 496	99, 698	308, 074	1, 246, 180	69, 196	91, 012	-15, 358	14, 004	52, 508	18, 488
Purchased electric energy.....	5, 700, 912	1, 510, 900	229, 986	100, 486	559, 186	2, 765, 678	85, 503	140, 433	162, 716	46, 625	52, 183	49, 216
Contract work.....	11, 169, 215	6, 669, 167	158, 404	21, 531	50, 179	1, 083, 413	1, 035, 478	69, 265	1, 726, 955	286, 711	15, 138	52, 974
Value of products.....	1, 389, 513, 718	329, 728, 052	16, 709, 502	24, 410, 104	120, 399, 406	734, 673, 111	26, 830, 856	36, 591, 482	55, 806, 860	14, 334, 433	12, 118, 430	8, 911, 482
Value added by manufacture <sup>6</sup> .....	583, 602, 304	106, 987, 011	10, 406, 987	10, 813, 688	38, 911, 932	346, 234, 009	13, 067, 871	17, 376, 760	22, 929, 222	6, 962, 482	5, 241, 746	4, 670, 586

<sup>1</sup> The numbers at the head of each column represent the following industries: 1211, Leather: Tanned, Curried, and Finished—Regular Factories or Jobbers Engaging Contractors; 1212, Leather: Tanned, Curried, and Finished—Contract Factories; 1221, Industrial Leather Belting and Packing Leather; 1230, Boot and Shoe Cut Stock and Findings; 1240, Footwear (Except Rubber); 1250, Leather Gloves and Mittens; 1260, Suitcases, Brief Cases, Bags, Trunks, and Other Luggage; 1271, Women's Pocketbooks, Handbags, and Purses; 1272, Small Leather Goods; 1291, Saddlery, Harness, and Whips; 1299, Leather Goods Not Elsewhere Classified.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

## LEATHER: TANNED, CURRIED, AND FINISHED

[A preliminary report for the industries in this subgroup was issued December 31, 1940]

Two industries comprise this subgroup—"Leather: tanned, curried, and finished—regular factories or jobbers engaging contractors" and "Leather: tanned, curried, and finished—contract factories." The first of these industries embraces chiefly those establishments primarily engaged in the manufacture of leather from hides, skins, etc., owned by them, including reports from jobbers engaging contractors. The second industry covers those establishments which are primarily engaged in manufacturing or currying and finishing leather on contract for others. Some of the establishments in the regular factories classification also do some work on contract, while the contract factories manufacture a small amount from owned hides and skins.

Considerable quantities of leather are reported as made also on contract for establishments in the Gloves, Clothing, and other industries, but as neither the contractors nor the manufacturers report the values of leather thus made, the figures in table 4 understate somewhat the total value of leather.

TABLE I.—SUMMARY FOR THE SUBGROUP "LEATHER: TANNED, CURRIED, AND FINISHED" FOR THE UNITED STATES, 1899 TO 1939, AND FOR EACH INDUSTRY, 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1939.....	446	47,252	\$56,783,182	\$229,043,556	\$346,437,554	\$117,393,998	100,739
1937.....	402	50,687	61,288,375	281,506,081	395,022,313	113,516,232	( <sup>5</sup> )
1935.....	384	50,877	55,683,471	197,969,807	308,344,763	110,374,896	( <sup>5</sup> )
1933.....	374	44,191	43,075,057	138,176,928	237,202,248	99,025,320	( <sup>5</sup> )
1931.....	418	42,047	49,541,526	172,785,669	271,137,694	98,352,025	( <sup>5</sup> )
1929.....	471	49,932	63,413,707	337,597,808	481,340,299	143,742,431	134,234
1927.....	494	52,924	67,857,231	331,984,730	494,255,858	162,271,102	138,055
1925.....	511	52,263	65,834,112	290,953,465	452,180,000	155,232,512	149,645
1923.....	597	59,703	73,784,340	321,749,531	458,897,835	167,148,264	146,878
1921.....	608	48,955	57,740,510	277,724,919	383,365,048	105,640,129	( <sup>5</sup> )
1919.....	680	72,476	88,205,473	646,521,527	928,591,701	282,070,174	159,267
1914.....	741	55,936	31,914,497	284,245,420	367,201,705	82,956,285	150,164
1909.....	919	62,202	32,102,845	248,278,933	327,874,187	79,595,264	140,088
1904.....	1,049	67,239	27,049,152	191,179,073	252,620,986	61,441,913	114,531
1899.....	1,306	62,109	22,501,001	155,000,004	204,038,127	49,038,123	87,326
LEATHER: TANNED, CURRIED, AND FINISHED—REGULAR FACTORIES OR JOBBERS ENGAGING CONTRACTORS							
1939.....	335	41,795	50,570,248	222,741,041	329,728,052	106,987,011	89,167
1937.....	331	48,132	58,332,160	279,220,257	387,908,170	108,687,913	( <sup>5</sup> )
LEATHER: TANNED, CURRIED, AND FINISHED—CONTRACT FACTORIES							
1939.....	111	5,457	6,212,934	6,302,515	16,709,502	10,405,987	11,572
1937.....	71	2,555	2,956,215	2,285,824	7,114,143	4,828,319	( <sup>5</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.  
<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>5</sup> Not called for on schedule. <sup>6</sup> Data not available.

TABLE 2.—GENERAL STATISTICS FOR "LEATHER: TANNED, CURRIED, AND FINISHED—REGULAR FACTORIES OR JOBBERS ENGAGING CONTRACTORS" INDUSTRY, IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Connecticut	Delaware	Illinois	Indiana	Massachusetts	Michigan	Missouri
Number of establishments <sup>1</sup> .....	335	12	3	7	24	5	77	11	4
Proprietors and firm members.....	89	11		5	3	2	21		
Persons reported by manufacturing establishments, total <sup>2</sup> .....	45,638	759	198	2,422	4,612	364	8,180	2,654	198
Salaried officers of corporations <sup>2</sup> .....	440	16	6	7	40	6	77	17	6
Manufacturing:									
Salaried employees <sup>2</sup> .....	2,800	33	16	85	336	23	575	193	21
Wage earners (average for the year) <sup>3</sup> .....	41,795	686	176	2,330	4,190	333	7,432	2,349	170
Distribution.....	461	11			41		76	52	1
Construction.....	133	13			5		20	43	
Other.....									
Salaries and wages, total <sup>2</sup> .....	\$61,657,237	\$1,079,833	\$283,495	\$2,865,690	\$6,983,297	\$423,232	\$11,916,690	\$3,316,640	\$225,506
Salaried officers <sup>2</sup> .....	3,862,326	79,081	35,450	77,370	431,368	37,500	747,038	148,292	26,600
Manufacturing:									
Salaries <sup>2</sup> .....	6,015,143	80,446	49,274	257,074	718,262	43,437	1,205,045	368,194	33,958
Wages.....	50,570,248	885,560	198,771	2,531,246	5,717,593	339,195	9,742,835	2,667,203	160,840
Distribution.....	1,043,763	20,659			106,082	3,100	197,105	76,972	3,000
Construction.....	175,787	14,087			9,997		24,667	55,979	1,108
Other.....									
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	222,741,041	3,324,469	665,973	7,663,910	21,936,302	2,256,538	43,049,959	12,299,917	810,851
Materials, supplies, and containers.....	211,063,678	3,231,907	645,734	7,493,783	21,188,450	2,220,612	37,991,350	11,880,601	793,581
Fuel.....	3,497,296	44,658	12,168	135,575	266,064	27,049	540,902	303,944	4,288
Purchased electric energy.....	1,510,900	47,909	8,071	29,435	223,729	8,377	210,425	37,928	12,987
Contract work.....	6,669,167			5,117	258,059		4,307,282	77,444	
Value of products.....	329,728,052	5,315,185	1,082,846	11,306,016	32,992,789	3,180,473	63,669,127	17,964,530	1,476,165
Value added by manufacture <sup>4</sup> .....	106,987,011	1,990,716	416,873	3,642,106	11,056,487	923,935	20,619,168	5,664,613	665,314

See footnotes at end of table.

## CENSUS OF MANUFACTURES: 1939

TABLE 2.—GENERAL STATISTICS FOR "LEATHER: TANNED, CURRIED, AND FINISHED—REGULAR FACTORIES OR JOBBERS ENGAGING CONTRACTORS" INDUSTRY, IN DETAIL BY STATES: 1939—Continued

ITEM	New Jersey	New York	North Carolina	Ohio	Oregon	Pennsylvania	Virginia	West Virginia	Wisconsin	Other States <sup>1</sup>
Number of establishments <sup>1</sup> .....	32	40	8	12	3	45	7	6	18	21
Proprietors and firm members.....	4	23	-----	5	2	9	2	-----	1	1
Persons reported by manufacturing establishments, total <sup>2</sup> .....	2,689	4,137	1,031	1,688	22	7,659	469	938	4,756	2,860
Salaried officers of corporations <sup>2</sup> .....	74	38	5	23	2	71	2	2	37	20
Manufacturing:										
Salaried employees <sup>2</sup> .....	140	171	85	83	3	393	25	39	390	189
Wage earners (average for the year) <sup>3</sup> .....	2,390	3,858	937	1,565	17	7,060	442	897	4,280	2,621
Distribution.....	77	37	4	17	-----	72	-----	-----	42	29
Construction.....	8	3	-----	-----	-----	33	-----	-----	7	1
Other.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Salaries and wages, total <sup>2</sup> .....	\$4,231,333	\$5,646,088	\$926,067	\$2,548,644	\$27,124	\$9,675,247	\$480,505	\$933,744	\$6,901,081	\$3,193,021
Salaried officers <sup>2</sup> .....	569,733	260,645	17,128	157,502	4,500	600,623	12,000	28,500	344,068	265,933
Manufacturing:										
Salaries <sup>2</sup> .....	326,070	377,720	139,498	215,300	4,500	769,040	51,501	90,269	912,205	373,260
Wages.....	3,144,494	4,926,771	761,431	2,144,899	18,124	8,105,121	417,004	814,975	5,490,225	2,508,961
Distribution.....	179,613	69,790	8,010	30,853	-----	156,119	-----	-----	144,833	47,527
Construction.....	11,423	2,162	-----	-----	-----	44,344	-----	-----	9,650	2,340
Other.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	12,511,752	22,353,933	6,810,160	9,751,688	47,424	35,632,952	2,963,719	5,877,340	21,866,859	12,917,295
Materials, supplies, and containers.....	11,437,233	21,407,925	6,638,557	9,581,641	45,033	34,380,673	2,905,632	5,787,383	21,323,947	12,059,636
Fuel.....	200,584	399,593	122,628	112,150	937	681,887	43,573	76,515	371,952	252,839
Purchased electric energy.....	100,897	246,158	31,098	53,216	1,454	132,213	14,514	13,442	170,960	187,592
Contract work.....	723,038	300,262	17,877	4,681	-----	538,179	-----	-----	-----	437,228
Value of products.....	19,321,709	32,969,776	9,205,534	14,366,980	81,354	53,035,125	4,247,393	8,212,871	33,304,227	17,095,952
Value added by manufacture <sup>4</sup> .....	6,809,957	10,615,843	2,395,374	4,615,292	33,830	17,402,173	1,283,674	2,335,531	11,437,368	5,078,657

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>5</sup> Georgia, 2 establishments; Kentucky, 3; Maine, 3; Maryland, 2; Minnesota, 1; New Hampshire, 3; Rhode Island, 1; Tennessee, 3; Texas, 2; Washington, 1.

TABLE 3.—GENERAL STATISTICS FOR "LEATHER: TANNED, CURRIED, AND FINISHED—CONTRACT FACTORIES" INDUSTRY, IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Delaware	Maine	Massachusetts	New Jersey	New York	Wisconsin	Other States <sup>1</sup>
Number of establishments <sup>1</sup> .....	111	4	4	44	21	21	3	14
Proprietors and firm members.....	61	1	-----	29	16	11	1	3
Persons reported by manufacturing establishments, total <sup>2</sup> .....	5,954	237	269	2,099	653	880	183	1,631
Salaried officers of corporations <sup>2</sup> .....	147	6	5	47	29	37	4	19
Manufacturing:								
Salaried employees <sup>2</sup> .....	320	12	18	122	24	40	9	95
Wage earners (average for the year) <sup>3</sup> .....	5,457	219	246	1,920	558	799	166	1,517
Distribution.....	30	-----	-----	10	12	4	4	-----
Construction.....	-----	-----	-----	-----	-----	-----	-----	-----
Other.....	-----	-----	-----	-----	-----	-----	-----	-----
Salaries and wages, total <sup>2</sup> .....	\$7,609,003	\$271,788	\$235,719	\$2,553,491	\$952,762	\$1,406,925	\$210,865	\$1,977,453
Salaried officers <sup>2</sup> .....	752,273	18,040	14,475	215,579	161,028	244,338	17,615	81,198
Manufacturing:								
Salaries <sup>2</sup> .....	593,759	29,600	18,966	189,325	46,696	123,962	16,901	168,309
Wages.....	6,212,934	224,148	202,278	2,127,423	727,234	1,034,830	169,075	1,727,946
Distribution.....	50,037	-----	-----	21,164	17,804	8,795	7,274	-----
Construction.....	-----	-----	-----	-----	-----	-----	-----	-----
Other.....	-----	-----	-----	-----	-----	-----	-----	-----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	6,302,515	118,406	194,327	1,886,327	907,751	905,475	166,327	2,123,902
Materials, supplies, and containers.....	5,461,629	94,790	166,079	1,581,116	758,596	752,500	141,379	1,967,169
Fuel.....	452,496	18,316	16,912	133,358	65,247	85,177	15,964	117,522
Purchased electric energy.....	220,986	5,300	11,336	84,779	34,472	51,515	8,984	33,600
Contract work.....	158,404	-----	-----	87,074	49,436	16,283	-----	5,611
Value of products.....	16,709,502	478,702	549,982	5,125,163	2,213,563	2,782,377	475,746	5,083,969
Value added by manufacture <sup>4</sup> .....	10,406,987	360,296	355,655	3,238,836	1,305,812	1,876,902	309,419	2,960,067

<sup>1</sup> California, 1 establishment; Colorado, 1; Illinois, 3; Michigan, 1; New Hampshire, 3; Pennsylvania, 4; Vermont, 1.<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

LEATHER: TANNED, CURRIED, AND FINISHED

TABLE 4.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Leather: Tanned, Curried, and Finished industries, all products, total value.....	\$346,437,554	\$395,022,313
Leather produced in these industries.....	320,840,949	371,086,822
Byproducts of tanning, currying, and finishing (hair, glue stock, fleshings, etc.)..	6,526,352	11,495,930
Other products (not classified in these industries), value.....	<sup>1</sup> 1,080,834	3,713,994
Receipts for contract and commission work on materials owned by others.....	17,674,299	8,725,567
Scrap and salable refuse.....	315,120	( <sup>2</sup> )
Leather: tanned, curried, and finished, aggregate value.....	322,359,386	372,457,971
Leather tanned, curried, and finished made in these industries.....	320,840,949	371,086,822
Leather tanned, curried, and finished made in other industries.....	1,518,437	1,371,149

<sup>1</sup> Boot and shoe cut stock, etc.

<sup>2</sup> Not called for on schedule.

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

[These industries, as constituted for Manufactures Census purposes, embrace regular and contract establishments engaged in tanning, currying, and finishing leather. Tanneries and other establishments working on contract report their receipts for work done and the quantities of leather tanned, curried, and finished for others, but do not report the value of the leather tanned, curried, or finished nor the cost of the hides, skins, or leather treated. Some of this contract work is done for the establishments in these industries, and these establishments report the value of their entire output of finished leather including that tanned or otherwise treated for them on contract. Considerable amounts of contract tanning, currying, and finishing are done, however, on hides, skins, and leather owned by manufacturers in the Gloves, Clothing, and other industries, and some of the manufacturers in these industries curry and finish their own leather; and as neither the contractors nor the manufacturers in question report the values of leather thus tanned, curried, and finished, the figures in this table understate somewhat the total value of the several classes of leather]

PRODUCT	1939			1937	
	Produced in regular factories for sale		Produced in contract factories on commission	Quantity	Value
	Quantity	Value	Quantity		
Total value.....		<sup>1</sup> \$322,359,386			<sup>1</sup> \$372,457,971
Sole and belting leather:					
Oak, union, chrome, and combination sole..... pounds..	201,020,540	60,048,623	40,316,630	<sup>2</sup> 251,086,343	<sup>2</sup> 84,074,153
Horse—sole..... sq. ft..	3,959,564	938,236		3,042,498	824,817
Belting butts—curried..... pounds..	<sup>4</sup> 6,106,808	<sup>4</sup> 8,660,983		9,235,909	6,365,228
Offal..... pounds..	88,686,623	16,314,437	176,000	94,438,124	18,947,997
Harness leather:					
Union black..... pounds..	1,335,222	386,668		5,854,669	1,815,808
Oak black and russet..... pounds..	6,332,418	1,879,874		8,642,285	2,674,614
Bag, case, and strap leather—finished grains					
Collar, skirting, lace and latigo leather..... sq. ft..	21,244,790	4,888,314		21,522,249	5,315,613
Welting leather—cattle..... pounds..	9,413,569	2,333,751		( <sup>5</sup> )	<sup>3</sup> 2,804,705
Upholstery leather—finished:					
Wholehide grains and machine-buffed..... sq. ft..	<sup>6</sup> 7,932,912	<sup>6</sup> 2,490,555		7,240,332	2,297,520
Splits..... sq. ft..	17,791,097	4,035,829		20,870,580	5,227,370
Splits..... sq. ft..	10,192,511	1,170,642	<sup>7</sup> 5,595,909	{ 13,867,679	{ 1,911,417
Upper leather:					
Cattle, including kip sides..... sq. ft..	362,920,748	66,458,157	7,688,594	322,566,507	64,507,883
Calf and whole kip, except kip sides..... sq. ft..	123,136,939	34,482,079	10,329,531	119,905,417	35,705,736
Goat and kid..... sq. ft..	141,410,030	26,514,769	12,419,261	173,350,162	39,132,725
Deer and elk..... sq. ft..	( <sup>8</sup> )	( <sup>8</sup> )	2,545,415	<sup>9</sup> 2,081,685	<sup>9</sup> 913,098
Kangaroo and wallaby..... sq. ft..	5,529,397	1,419,264		5,137,815	1,633,756
Horse, colt, ass, and mule:					
Half and whole fronts..... sq. ft..	1,013,814	219,614	4,766,376	<sup>3</sup> 3,649,183	( <sup>8</sup> )
Butts..... sq. ft..	5,338,195	1,317,301	( <sup>8</sup> )	<sup>3</sup> 5,550,660	<sup>3</sup> 1,256,229
Shanks..... pairs..	473,851	231,672		<sup>3</sup> 221,538	( <sup>8</sup> )
Wax and finished splits..... sq. ft..	39,329,939	3,634,181	( <sup>8</sup> )	57,756,193	8,536,932
Other upper leather..... sq. ft..	<sup>9</sup> 12,616,815	<sup>9</sup> 2,051,184	<sup>10</sup> 3,155,953	<sup>11</sup> 9,974,608	<sup>12</sup> 1,982,226
Glove and garment leather:					
Cattle grains, including foreign-tanned kips..... sq. ft..	4,011,116	( <sup>8</sup> )		3,030,036	502,591
Calf and kip..... sq. ft..	286,552	( <sup>8</sup> )		( <sup>8</sup> )	( <sup>8</sup> )
Cattle hides (bellies)..... pounds..	3,016,215	358,832	3,319,471	<sup>2</sup> 5,772,478	1,380,840
Horse, colt, ass, and mule:					
Half and whole fronts..... sq. ft..	25,055,183	3,416,364	( <sup>8</sup> )	<sup>3</sup> 21,624,374	( <sup>8</sup> )
Butts..... sq. ft..	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )	30,850	2,882
Shanks..... pairs..	623,433	( <sup>8</sup> )	( <sup>8</sup> )	1,180,244	540,942
Goat and kid..... sq. ft..	2,122,807	( <sup>8</sup> )	( <sup>8</sup> )	<sup>2</sup> 2,352,079	( <sup>8</sup> )
Cabretta..... sq. ft..	8,325,628	1,792,193	13,993,744	( <sup>8</sup> )	<sup>3</sup> 1,053,801
Sheep and lamb, except shearlings..... sq. ft..	99,515,317	10,316,585	43,271,096	91,996,028	10,072,281
Shearlings..... sq. ft..	19,050,141	3,648,344	( <sup>8</sup> )	22,772,077	4,878,255
Deer and elk..... sq. ft..	<sup>12</sup> 2,110,768	<sup>12</sup> 468,929	2,991,900	<sup>14</sup> 940,648	213,946
Other glove and garment leather..... sq. ft..	<sup>12</sup> 2,276,501	<sup>12</sup> 1,623,098	<sup>17</sup> 17,346,895	( <sup>8</sup> )	<sup>13</sup> 3,995,031

See footnotes at end of table.

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

PRODUCT	1939			1937	
	Produced in regular factories for sale		Produced in contract factories on commission	Quantity	Value
	Quantity	Value			
<b>Fancy and bookbinders leather:</b>					
Cattle hides..... sq. ft.	3,961,824	\$906,642	( <sup>5</sup> )	3,388,952	\$729,048
Buffings—finished..... sq. ft.	( <sup>6</sup> )	( <sup>6</sup> )	-----	2,323,626	324,355
Goat, kid, and cabretta..... sq. ft.	689,763	157,561	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
Sheep and lamb..... sq. ft.	12,246,621	1,192,010	2,025,166	( <sup>6</sup> )	2,057,691
Calf and kip..... sq. ft.	6,539,510	1,954,818	( <sup>6</sup> )	<sup>8</sup> 5,565,488	<sup>8</sup> 1,464,709
Pig and hog skins, including fancy pigskin strips..... sq. ft.	836,926	( <sup>6</sup> )	( <sup>6</sup> )	<sup>8</sup> 1,133,065	308,076
Reptile—alligator, snake, lizard, etc..... skins.	49,153	( <sup>6</sup> )	1,129,035	177,168	531,331
Other fancy and bookbinders leather..... sq. ft.	<sup>19</sup> 2,132,270	<sup>20</sup> 1,360,662	<sup>21</sup> 2,072,168	<sup>22</sup> 21,567,097	<sup>22</sup> 1,464,559
<b>Lining leather:</b>					
Sheep and lamb—shoe stock..... sq. ft.	60,521,979	5,812,126	26,715,942	85,201,593	9,209,928
Goat and kid..... sq. ft.	44,650,282	8,156,418	9,624,332	27,114,051	4,755,468
Other lining leather <sup>24</sup> ..... sq. ft.	12,371,340	1,985,247	1,664,154	7,968,560	1,465,790
Patent upper leather (cattle, including kip sides)—japanned..... sq. ft.	29,079,880	6,078,307	22,205,525	49,873,905	9,326,345
Splits, other than wax and finished upper and upholstery..... sq. ft.	112,398,953	7,967,856	25,786,929	<sup>24</sup> 94,899,040	<sup>24</sup> 10,230,174
<b>Miscellaneous leather:</b>					
<b>Roller leather:</b>					
Calf and kip..... sq. ft.	2,168,544	709,459	-----	3,103,534	1,107,037
Sheep and lamb..... sq. ft.	1,204,398	232,039	2,550,730	2,536,534	470,794
Skivers..... sq. ft.	22,985,040	2,258,610	8,386,308	24,864,944	2,303,815
Chamois..... sq. ft.	( <sup>6</sup> )	( <sup>6</sup> )	4,150,960	( <sup>6</sup> )	( <sup>6</sup> )
<b>Finishing or currying of tanned leather..... sq. ft.</b>	<sup>25</sup> 19,990,242	<sup>25</sup> 3,395,558	54,559,490	( <sup>26</sup> )	( <sup>26</sup> )
Leather, tanned, curried, or finished on a commission basis for leather manufacturers, dealers, and jobbers, value..... sq. ft.	-----	13,622,923	-----	( <sup>26</sup> )	( <sup>26</sup> )
All other leather <sup>27</sup> ..... sq. ft.	25,041,302	4,072,533	<sup>28</sup> 27,915,724	-----	<sup>28</sup> 7,777,103
<b>Rough leather:</b>					
Belting butts—rough, for sale as such..... pounds.	6,109,258	2,707,457	-----	10,955,483	5,828,820
Bag, case, and strap leather—crust grains, for sale as such..... sq. ft.	2,907,296	666,106	( <sup>6</sup> )	5,230,616	946,693
Upholstery leather, russet, for sale as such:					
Wholehide grains and machine-buffed..... sq. ft.	16,726,645	2,234,564	-----	12,368,368	1,807,794
Buffings..... sq. ft.	2,440,759	( <sup>6</sup> )	( <sup>6</sup> )	2,916,127	222,825
Splits..... sq. ft.	<sup>29</sup> 9,037,699	<sup>30</sup> 817,972	-----	11,960,006	892,317
Rough splits, value.....	-----	-----	-----	-----	664,933

<sup>1</sup> Includes a duplication of \$6,426,099 for 1939 and \$10,363,382 for 1937, which figures represent the value of rough belting leather; bag, case, and strap leather (crust grains); and russet upholstery leather. The value of these partially tanned leathers is automatically included in the value of the finished leather items (curried belting leather; bag, case, and strap leather—finished; and upholstery leather—finished).

<sup>2</sup> Includes \$1,513,437, the value of leather made outside the "Leather: tanned, curried, and finished" industries.

<sup>3</sup> Revised.

<sup>4</sup> Includes 200,479 pounds, value \$94,392, made outside the "Leather: tanned, curried, and finished" industries.

<sup>5</sup> No comparable data.

<sup>6</sup> Includes 4,342,448 pounds, value \$1,359,857, made outside the "Leather: tanned, curried, and finished" industries.

<sup>7</sup> Figures for "Upholstery leather—finished" include quantity of both rough and finished upholstery leather which cannot be shown separately without disclosing production of individual establishments.

<sup>8</sup> Figures cannot be shown without disclosing, exactly or approximately, the production of individual establishments.

<sup>9</sup> Also includes quantity and value of deer, elk, and cabretta skins.

<sup>10</sup> Also includes quantity of butts and wax and finished splits.

<sup>11</sup> Also includes quantity of cabretta leather.

<sup>12</sup> Also includes value of half and whole fronts and shanks.

<sup>13</sup> Includes 130,479 square feet, valued at \$39,141, made outside the "Leather: tanned, curried, and finished" industries.

<sup>14</sup> Data incomplete.

<sup>15</sup> Also includes quantity of butts.

<sup>16</sup> Also includes value of cattle grains, including foreign-tanned kips, calf and kip, butts, shanks, goat, and kid.

<sup>17</sup> Also includes quantity of half and whole fronts, butts, goat and kid, and shearlings.

<sup>18</sup> Also includes value of calf and kip, half and whole fronts, goat and kid, and pig and hog skins.

<sup>19</sup> Also includes quantity of finished buffings.

<sup>20</sup> Also includes value of finished buffings, pig and hog skins, including fancy pigskin strips, alligator, snake, lizard, etc.

<sup>21</sup> Also includes quantity of cattle hides, goat, kid, cabretta, calf and kip, and pig and hog skins, including fancy pigskin strips.

<sup>22</sup> Also includes quantity of goat, kid, cabretta, sheep, lamb, and seal skins.

<sup>23</sup> Also includes value of goat, kid, cabretta, and seal skins.

<sup>24</sup> Also includes data for cattle (including kip sides) and calf and kip skins which cannot be shown separately without disclosing production of individual establishments.

<sup>25</sup> Includes 50,174 square feet, valued at \$25,647, finished or curried outside the "Leather: tanned, curried, and finished" industries.

<sup>26</sup> Not called for on schedule.

<sup>27</sup> Includes data for patent upper leather (other than japanned sides), chamois, and fleshers (other than chamois).

<sup>28</sup> Includes quantity of bag, case, and strap leather (crust grains); fleshers (other than chamois); and upper leather, other than japanned sides.

<sup>29</sup> Includes quantity of unsplit rough leather.

<sup>30</sup> Includes value of unsplit rough leather and russet upholstery buffings.

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING FOR "LEATHER: TANNED, CURRIED, AND FINISHED—REGULAR FACTORIES OR JOBBERS ENGAGING CONTRACTORS" INDUSTRY, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939	41,795	41,557	42,193	41,723	41,522	40,515	41,277	41,406	41,574	41,808	42,781	42,780	42,408
1937	48,132	49,383	49,869	50,710	51,252	50,696	50,130	48,253	48,447	47,392	46,473	43,224	41,751
California	686	707	670	669	664	679	632	652	711	738	755	747	708
Connecticut	176	181	191	150	165	165	165	179	191	184	173	171	168
Delaware	2,380	2,380	2,283	2,347	2,430	2,348	2,303	2,397	2,218	2,230	2,337	2,352	2,333
Illinois	4,190	4,179	4,233	4,237	4,194	4,100	4,063	4,122	4,167	4,221	4,230	4,280	4,229
Indiana	333	310	317	326	336	327	322	329	330	341	355	350	348
Kentucky	295	301	266	267	294	288	304	297	295	297	302	304	297
Maine	335	326	329	335	343	335	332	334	337	322	344	337	343
Massachusetts	7,432	7,537	7,827	7,518	7,307	6,983	7,351	7,528	7,381	7,346	7,562	7,450	7,396
Michigan	2,349	2,480	2,530	2,416	2,344	2,226	2,243	2,244	2,424	2,358	2,367	2,308	2,253
Missouri	170	148	158	160	161	167	180	164	185	180	181	172	160
New Hampshire	457	429	435	448	455	439	479	453	452	447	482	486	476
New Jersey	2,390	2,345	2,379	2,196	2,247	2,253	2,337	2,409	2,432	2,422	2,516	2,577	2,592
New York	3,888	3,961	4,000	3,993	3,954	3,794	3,795	3,690	3,818	3,851	3,936	3,953	3,909
North Carolina	937	918	911	907	919	922	929	883	899	917	1,011	1,018	1,015
Ohio	1,565	1,613	1,559	1,561	1,521	1,481	1,514	1,541	1,536	1,574	1,622	1,618	1,640
Oregon	17	13	13	18	19	18	19	19	19	15	15	19	18
Pennsylvania	7,090	6,918	7,118	7,122	7,128	7,077	6,993	7,035	6,965	7,068	7,181	7,261	7,218
Tennessee	376	408	391	390	372	364	359	327	344	368	395	401	388
Virginia	442	452	454	447	435	442	437	441	450	434	438	441	435
West Virginia	897	942	936	921	914	900	917	903	872	861	865	864	868
Wisconsin	4,280	3,853	3,988	4,088	4,164	4,185	4,384	4,462	4,501	4,478	4,493	4,418	4,345

TABLE 7.—WAGE EARNERS ENGAGED IN MANUFACTURING, FOR "LEATHER: TANNED, CURRIED, AND FINISHED—CONTRACT FACTORIES" INDUSTRY, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939	5,457	5,239	5,529	5,547	5,304	4,979	5,189	5,290	5,378	5,446	5,739	5,928	5,913
1937	2,555	2,493	2,529	2,698	2,684	2,658	2,638	2,570	2,679	2,661	2,502	2,366	2,179
Delaware	219	225	221	210	198	194	179	198	210	241	252	252	244
Illinois	90	109	108	113	109	45	42	42	102	103	103	103	104
Maine	246	221	228	227	208	186	245	264	208	282	305	300	283
Massachusetts	1,920	1,650	1,959	1,980	1,856	1,697	1,853	1,883	1,924	1,961	1,985	2,126	2,170
New Hampshire	184	170	171	163	167	151	164	164	168	170	186	258	277
New Jersey	588	648	583	561	549	510	530	577	574	488	655	667	700
New York	799	737	783	788	778	782	783	783	800	855	868	828	799
Pennsylvania	1,040	1,074	1,058	1,090	1,046	1,029	999	993	988	1,019	1,079	1,071	1,040
Wisconsin	166	195	208	205	185	177	185	177	195	119	124	118	109

TABLE 8.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	LEATHER: TANNED, CURRIED, AND FINISHED	
	Regular factories	Contract factories
Number of establishments:		
Total for the industry	335	111
Reporting expenditures for plant and equipment	200	72
Value of products:		
Total for the industry	\$329,728,052	\$16,709,502
Reporting expenditures for plant and equipment	272,390,162	13,566,126
Expenditures for plant and equipment:		
Total for the industry	2,488,314	320,459
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	734,875	66,453
Expenditures for new machinery and operating equipment	1,610,601	170,816
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	142,838	83,190

TABLE 9.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	LEATHER: TANNED, CURRIED, AND FINISHED			
	Regular factories		Contract factories	
	1939	1937	1939	1937
Inventories:				
Beginning of year, total	\$101,663,174	\$113,079,326	\$2,432,071	\$175,795
Finished products	37,645,471	37,849,466	480,069	-----
Materials, supplies, etc.	64,017,703	75,229,860	1,952,002	175,795
End of year, total	105,025,698	124,058,316	2,306,300	206,173
Finished products	34,687,395	49,745,402	466,010	-----
Materials, supplies, etc.	70,338,303	74,312,914	1,840,290	206,173
Value of products for the industry, total	329,728,052	387,908,170	16,709,502	7,114,143
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	327,555,235	369,015,271	15,914,953	4,135,350
Value for establishments not reporting inventories	2,172,817	18,892,899	794,549	2,978,793

## CENSUS OF MANUFACTURES: 1939

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929	1939			1939	1929	1939	
	Leather: tanned, curried, and finished		Leather: tanned, curried, and finished—regular factories or jobbers engaging contractors	Leather: tanned, curried, and finished—contract factories		Leather: tanned, curried, and finished		Leather: tanned, curried, and finished—regular factories or jobbers engaging contractors	Leather: tanned, curried, and finished—contract factories
Number of establishments.....	446	471	335	111	Prime movers not driving generators—Continued. Other internal-combustion engines <sup>2</sup> —	3	288	2	1
Number of establishments reporting power equipment.....	429	466	319	110					
Prime movers, aggregate:					Horsepower.....				
Number.....	409	1 685	360	40	Hydroturbines and water wheels:	3	87	3	25
Horsepower.....	100,739	1 134,234	89,167	11,572	Number.....				
Prime movers, driving generators, total—					Horsepower.....		( <sup>3</sup> )		
Number.....	222	1 685	201	21	Prime movers not driving generators, ordinarily idle (included above), horsepower.....	1,005		980	25
Horsepower.....	82,686	1 134,234	73,251	9,435	Generators, kilowatt rating, total.....	58,427	74,432	51,555	6,872
Steam engines—					Generators, driven by—				
Number.....	172	1 599	158	14	Steam engines, kilowatt rating.....	31,151		28,332	2,819
Horsepower.....	47,388	1 90,215	43,578	3,810	Steam turbines, kilowatt rating.....	24,787		21,350	3,437
Steam turbines—					Diesel and semi-Diesel engines, kilowatt rating.....	1,303	( <sup>3</sup> )	1,303	
Number.....	36	1 51	32	4	Other internal-combustion engines, <sup>2</sup> kilowatt rating.....	545		545	
Horsepower.....	31,648	1 37,987	26,873	4,775	Hydroturbines and water wheels, kilowatt rating.....	641		25	616
Diesel and semi-Diesel engines—					Generators, ordinarily idle (included above), kilowatt rating.....	6,478	( <sup>4</sup> )	5,478	1,000
Number.....	7		7		Electric motors, total:				
Horsepower.....	2,000		2,000		Number.....	22,302	16,291	20,063	2,239
Other internal-combustion engines <sup>2</sup> —					Horsepower.....	196,635	186,056	178,203	17,832
Number.....	3	1 23	3		Driven by purchased energy—				
Horsepower.....	760	1 2,862	760		Number.....	13,044	8,546	11,862	1,182
Hydroturbines and water wheels—					Horsepower.....	112,275	95,426	102,136	10,139
Number.....	4	1 12	1	3	Driven by energy generated in establishments reporting—				
Horsepower.....	890	1 3,170	40	850	Number.....	9,258	7,745	8,201	1,057
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	9,433		8,133	1,300	Horsepower.....	83,760	90,630	76,067	7,693
Prime movers not driving generators, total—		( <sup>3</sup> )			Electric energy (kilowatt-hours):				
Number.....	187		168	19	Generated in plant.....	104,664,903	( <sup>4</sup> )	85,858,861	18,806,042
Horsepower.....	18,053		15,916	2,137	Sold.....	12,143,244	( <sup>3</sup> )	4,269,179	7,874,065
Steam engines—					Purchased.....	110,587,221	74,185,894	100,418,758	10,168,463
Number.....	160		142	18					
Horsepower.....	13,119		10,985	2,134					
Steam turbines—									
Number.....	21		21						
Horsepower.....	4,559		4,559						

<sup>1</sup> Includes data for prime movers not driving generators.<sup>2</sup> Gas, gasoline, etc.<sup>3</sup> Not called for on schedule.<sup>4</sup> Data not available.

# INDUSTRIAL LEATHER BELTING AND PACKING LEATHER

[A preliminary report for this industry was issued November 16, 1940]

**Description of the industry.**—The establishments classified in the "Industrial leather belting and packing leather" industry are engaged primarily in the manufacture of leather belting, chiefly for use in the transmission of power, of leather packing (cup, U-valve, oil-retainer-seal, etc.), or of "textile leathers" (aprons,

picker leathers, mill strapping, etc.). Leather belts for wear on the person are products of the "Belts (apparel), regardless of material" industry. The manufacture of rubber belting is included in the "Rubber products not elsewhere classified" industry.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1899	190	2,337	\$2,860,652	\$13,596,416	\$24,410,104	\$10,813,688	1,950
1907	182	2,829	3,354,946	15,528,552	27,900,734	12,372,182	(5)
1935	187	2,362	2,519,735	11,574,495	21,522,114	9,947,619	(5)
1933	152	1,684	1,732,911	7,017,728	14,879,803	7,862,075	(5)
1931	178	1,640	1,967,521	7,302,010	14,521,751	7,219,741	(5)
1929	207	2,602	3,549,721	20,679,778	35,631,682	14,951,904	2,780
1927	173	2,164	2,925,416	16,185,267	27,265,752	11,080,485	3,246
1925	168	2,644	3,505,450	18,868,280	31,810,926	12,942,696	2,975
1923	169	3,160	3,895,419	24,569,125	37,723,518	13,154,393	(5)
1921	164	2,268	2,841,644	13,075,740	19,168,255	6,092,515	(5)
1919	172	2,765	3,260,439	28,156,711	40,480,654	12,323,943	4,559
1914	151	2,951	2,069,545	15,480,110	23,035,951	7,555,841	5,906
1909	139	3,006	1,860,880	15,622,603	23,691,887	8,069,234	4,115
1904	117	2,092	1,164,548	9,317,206	14,220,306	4,903,100	2,468
1899	104	1,667	913,877	7,499,952	10,622,522	3,122,570	1,658

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Connecticut	Illinois	Indiana	Louisiana	Massachusetts	Missouri	New Jersey
Number of establishments <sup>1</sup>	190	10	6	9	4	4	21	5	6
Proprietors and firm members	96	10	3	2	3	2	14	1	1
Persons reported by manufacturing establishments, total <sup>2</sup>	3,117	69	30	501	19	20	466	52	47
Salaried officers of corporations <sup>2</sup>	192	3	8	6	3	2	19	10	8
Manufacturing:									
Salaried employees <sup>2</sup>	297	8	2	21	4	3	26	9	4
Wage earners (average for the year) <sup>2</sup>	2,337	41	18	240	10	13	384	27	24
Distribution	285	17	2	34	2	2	37	6	11
Construction	6								
Other	6								
Salaries and wages, total <sup>2</sup>	\$4,941,253	\$102,984	\$51,184	\$468,166	\$31,849	\$35,972	\$671,245	\$88,108	\$99,574
Salaried officers <sup>2</sup>	756,615	8,814	23,905	47,279	12,100	5,195	85,867	36,417	28,920
Manufacturing:									
Salaries <sup>2</sup>	585,795	13,528	1,874	47,054	3,322	7,300	45,390	12,411	7,625
Wages	2,860,652	50,606	22,631	275,616	14,427	15,907	470,873	33,024	38,279
Distribution	725,364	26,324	2,774	98,217	2,000	7,570	69,125	6,256	24,750
Construction	9,115								
Other	3,712	3,712							
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	13,596,416	179,163	134,961	1,521,320	64,110	63,313	2,222,631	161,798	325,441
Materials, supplies, and containers	13,374,701	175,804	134,438	1,502,870	62,163	62,628	2,167,744	157,646	322,765
Fuel	99,698	1,118	228	4,426	1,142	129	37,589	1,699	685
Purchased electric energy	100,486	2,241	295	11,855	805	561	16,343	2,453	1,991
Contract work	21,531			2,169			955		
Value of products	24,410,104	355,517	210,284	2,914,362	107,242	133,358	4,241,956	335,088	546,268
Value added by manufacture <sup>4</sup>	10,813,688	176,354	75,323	1,393,042	43,132	70,040	2,019,325	173,290	220,827

See footnotes at end of table.

## CENSUS OF MANUFACTURES: 1939

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

	New York	North Carolina	Ohio	Pennsylvania	South Carolina	Texas	Washington	Wisconsin	Other States <sup>5</sup>
Number of establishments <sup>1</sup> .....	34	4	14	21	3	6	3	4	33
Proprietors and firm members.....	14		5	23	2	1	3		12
Persons reported by manufacturing establishments, total <sup>2</sup> .....	243	41	150	395	17	35	4	21	1,207
Salaried officers of corporations <sup>2</sup> .....	32	7	15	7	2	7		5	58
Manufacturing:									
Salaried employees <sup>2</sup> .....	31	9	8	52	5	5		2	108
Wage earners (average for the year) <sup>3</sup> .....	145	23	105	311	8	18	4	8	958
Distribution.....	33	2	22	25	2	5		6	79
Construction.....	2								4
Other.....									
Salaries and wages, total <sup>2</sup> .....	\$383,306	\$68,324	\$228,938	\$555,253	\$28,959	\$52,863	\$6,359	\$44,314	\$2,023,855
Salaried officers <sup>2</sup> .....	104,792	17,855	51,946	31,280	5,939	16,742		17,269	262,255
Manufacturing:									
Salaries <sup>2</sup> .....	56,624	12,176	13,995	99,442	8,706	9,623		3,786	242,939
Wages.....	104,320	29,293	124,724	370,421	9,069	24,176	6,359	13,280	1,187,647
Distribution.....	50,744	9,000	38,273	48,110	5,195	2,322		9,979	324,725
Construction.....	2,826								6,289
Other.....									
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	880,168	413,076	444,405	1,638,602	66,604	73,785	20,860	93,155	5,293,019
Materials, supplies, and containers.....	858,539	411,267	436,490	1,616,403	65,727	72,007	20,234	91,955	5,216,021
Fuel.....	2,659	670	4,023	9,482	408	833	123	422	34,057
Purchased electric energy.....	12,843	1,139	3,892	12,617	469	940	503	778	30,761
Contract work.....	6,127			100					12,180
Value of products.....	1,605,743	583,454	842,605	3,049,485	178,906	157,790	33,348	152,528	8,962,080
Value added by manufacture <sup>4</sup> .....	725,575	170,378	398,290	1,410,883	112,302	84,005	12,488	50,373	3,660,061

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>5</sup> Delaware, 2 establishments; Georgia, 2; Maryland, 2; Michigan, 8; Minnesota, 3; Mississippi, 1; Nebraska, 1; New Hampshire, 3; Oregon, 1; Rhode Island, 3; Tennessee, 3; Virginia, 4.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939, 1937, AND 1929

	1939	1937	1929
Industrial Leather Belting and Packing Leather industry, all products, total value.....	\$24,410,104	\$27,900,734	\$35,631,682
Leather belting and packing and related products.....	23,520,497	26,865,442	29,224,573
Belt repairs (including rebuilding and reworking).....	330,602	447,896	1,127,295
Other products (not classified in this industry).....	<sup>1</sup> 447,366	<sup>1</sup> 568,883	5,279,814
Receipts for contract work.....	111,639	18,813	( <sup>2</sup> )
Industrial leather belting and packing, aggregate value.....	23,677,895	27,047,693	29,349,703
Industrial leather belting and packing made in this industry.....	23,520,497	26,865,442	29,224,573
Industrial leather belting and packing made as secondary products in other industries.....	157,398	182,251	125,130

<sup>1</sup> Harness and harness parts, saddlery, boot and shoe cut stock, luggage items, etc.<sup>2</sup> No data.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939, 1937, AND 1929

PRODUCT	1939			1937	1929
	Produced in the industry	Produced in other industries	Total		
Total value.....	\$23,520,497	\$157,398	\$23,677,895	\$27,047,693	\$29,349,703
Flat belting:					
Pounds.....	6,400,122		6,400,122	8,343,369	13,051,299
Value.....	\$10,416,570		\$10,416,570	\$13,594,646	\$23,478,916
Other leather belting (solid, twist, round, and built-up).....	1,259,431		1,259,431	1,150,304	2,145,077
Leather packings (cup, U-valve, etc.), excluding washers.....	4,172,317	132,398	4,304,715	4,424,635	3,725,710
Textile leathers (aprons, picker leathers, mill strapping, etc.).....	2,192,741	25,000	2,217,741	2,050,005	( <sup>1</sup> )
Other products made wholly or in part of leather <sup>2</sup> .....	5,304,256		5,304,256	5,673,672	( <sup>1</sup> )
Scrap and salable refuse.....	175,182		175,182	154,431	( <sup>1</sup> )

<sup>1</sup> No data.<sup>2</sup> Includes value of oil seals and grease retainers to avoid disclosing, exactly or approximately, production of individual establishments.

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939	2,337	2,354	2,364	2,338	2,277	2,226	2,206	2,182	2,220	2,306	2,503	2,564	2,499
1937	2,829	2,893	2,948	2,964	2,933	2,916	2,903	2,810	2,835	2,818	2,755	2,650	2,521
1929	2,602	2,616	2,624	2,635	2,626	2,622	2,604	2,611	2,639	2,623	2,584	2,537	2,497
California	41	41	41	39	42	42	42	41	41	41	43	42	42
Connecticut	18	22	21	22	20	15	15	15	14	19	18	17	18
Illinois	240	247	255	252	242	221	225	201	227	236	241	265	265
Indiana	10	10	11	10	11	10	10	11	10	9	12	9	10
Louisiana	13	13	13	13	13	13	13	13	13	13	13	13	13
Massachusetts	384	391	390	398	379	374	356	353	362	371	409	413	410
Michigan	517	544	540	529	502	499	498	488	501	513	523	540	531
Minnesota	43	45	48	46	47	48	46	44	33	35	41	44	39
Missouri	27	26	26	26	26	27	27	27	27	27	28	28	28
New Hampshire	172	155	165	166	165	161	166	166	167	176	188	193	192
New Jersey	24	24	24	24	24	24	24	24	24	24	24	24	24
New York	145	147	146	136	156	138	134	141	135	146	152	156	151
North Carolina	23	19	20	20	20	22	22	22	23	25	27	29	26
Ohio	105	107	109	104	101	97	98	98	104	100	129	121	96
Pennsylvania	311	298	294	296	281	281	282	289	285	313	366	375	367
Rhode Island	63	63	64	63	63	63	63	63	63	63	64	64	64
South Carolina	8	8	8	7	8	6	6	8	8	8	11	11	11
Tennessee	27	26	25	23	24	24	23	24	27	27	30	33	34
Texas	18	17	16	17	17	18	17	20	19	19	17	17	19
Virginia	39	38	37	36	31	34	35	31	33	35	53	58	46
Washington	4	5	5	5	5	5	4	4	4	4	4	4	4
Wisconsin	8	8	8	8	8	8	8	8	8	8	8	8	8

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	190
Reporting expenditures for plant and equipment	65
Value of products:	
Total for the industry	\$24,410,104
Reporting expenditures for plant and equipment	15,551,014
Expenditures for plant and equipment:	
Total for the industry	141,540
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	34,395
Expenditures for new machinery and operating equipment	87,033
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	20,112

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total	\$7,355,371	\$6,075,065
Finished products	3,230,452	2,446,001
Materials, supplies, etc.	4,124,919	3,629,064
End of year, total	6,932,845	6,656,793
Finished products	2,758,828	2,880,569
Materials, supplies, etc.	4,174,017	3,776,224
Value of products for the industry, total	24,410,104	27,900,734
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	24,094,578	24,970,915
Value for establishments not reporting inventories	315,526	2,920,819

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments	190	207
Number of establishments reporting power equipment	190	194
Prime movers, aggregate:		
Number	14	24
Horsepower	1,995	2,780
Prime movers, driving generators, total—		
Number	5	124
Horsepower	554	12,780
Steam engines—		
Number	5	116
Horsepower	554	12,592
Diesel and semi-Diesel engines—		
Number		15
Other internal-combustion engines <sup>2</sup> —		153
Number		
Horsepower		
Hydroturbines and water wheels—		
Number		3
Horsepower		135
Prime movers, driving generators, ordinarily idle (included above), horsepower	50	
Prime movers not driving generators, total—		
Number	9	
Horsepower	1,441	
Steam engines—		
Number	6	( <sup>3</sup> )
Horsepower	1,410	
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—		
Number	3	
Horsepower	31	
Generators, kilowatt rating, total	357	1,279
Generators, driven by—		
Steam engines, kilowatt rating	357	( <sup>4</sup> )
Generators, ordinarily idle (included above), kilowatt rating	50	( <sup>4</sup> )
Electric motors, total:		
Number	1,305	850
Horsepower	5,867	4,555
Driven by purchased energy—		
Number	1,130	723
Horsepower	5,361	4,046
Driven by energy generated in establishments reporting—		
Number	175	127
Horsepower	506	509
Electric energy (kilowatt-hours):		
Generated in plant	425,842	( <sup>4</sup> )
Purchased	4,228,180	2,321,895

<sup>1</sup> Includes data for prime movers not driving generators.

<sup>2</sup> Gas, gasoline, etc. <sup>3</sup> Not called for on schedule. <sup>4</sup> Data not available.

## BOOT AND SHOE CUT STOCK AND FINDINGS

[A preliminary report for this industry was issued December 16, 1940]

**Description of the industry.**—This industry embraces establishments engaged primarily in the manufacture, for sale as such, of soles, inner soles, heels (other than wood and rubber), lifts, counters, vamps, quarters, and other cut stock, and of finished wood heels, welting, shanks, and other findings. It also includes the production of cut stock and findings by boot and shoe manufacturers for their own consumption. Rubber heels, soles, etc., are treated as products of the "Rubber products not elsewhere classified" industry.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1939	520	18,845	\$17,195,728	\$90,487,474	\$129,399,406	\$38,911,932	11,540
1937	470	18,755	17,844,474	95,988,353	132,660,355	36,671,997	(5)
1935	498	18,275	16,781,267	76,317,472	111,578,648	35,261,176	(5)
1933	487	16,798	13,917,502	61,864,196	93,293,266	31,429,070	(5)
1931	552	17,672	16,411,000	82,273,956	117,100,775	34,826,819	(5)
1929	592	19,875	21,378,248	139,510,178	192,073,359	52,563,181	12,043
1927	580	18,561	20,555,921	129,828,753	178,455,810	48,627,057	11,510
1925	571	16,582	18,601,295	104,574,673	146,111,510	41,536,837	11,951
1923	592	15,903	16,254,867	109,684,989	150,850,778	41,165,789	(5)
1921	570	12,966	14,222,014	79,853,602	111,808,102	31,954,500	(5)
1919	679	18,656	17,311,974	174,315,623	224,028,718	49,713,095	5,932
1914	605	14,533	7,277,806	71,754,681	88,287,709	16,513,028	4,974
1909	575	13,181	6,103,543	55,270,470	70,166,916	14,896,446	(5)
1904	879	10,370	4,012,086	27,924,682	37,530,702	9,656,020	5,134
1899	654	9,401	3,453,182	22,822,873	31,077,507	8,254,634	4,282

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	Maine	Massachusetts	Missouri	New Hampshire
Number of establishments <sup>1</sup>	520	8	20	16	294	28	31
Proprietors and firm members	293	6	13	3	181	8	12
Persons reported by manufacturing establishments, total <sup>2</sup>	21,293	71	998	713	8,526	3,670	1,668
Salaried officers of corporations <sup>2</sup>	474	6	17	20	277	19	22
Manufacturing:							
Salaried employees <sup>2</sup>	1,480	8	56	52	654	207	115
Wage earners (average for the year) <sup>3</sup>	18,845	55	904	631	7,345	3,406	1,505
Distribution	471	2	21	9	243	38	24
Construction	22			1	7		1
Other	1						1
Salaries and wages, total <sup>3</sup>	\$22,735,477	\$82,750	\$907,133	\$638,056	\$9,461,961	\$4,161,941	\$1,780,281
Salaried officers <sup>2</sup>	2,191,965	19,862	52,252	86,208	1,345,923	106,138	107,380
Manufacturing:							
Salaries <sup>2</sup>	2,351,028	10,114	98,030	66,418	996,298	345,082	185,121
Wages	17,195,728	50,296	708,011	466,093	6,877,448	3,626,257	1,399,605
Distribution	965,253	2,478	48,840	17,933	530,166	84,464	73,804
Construction	29,823			1,404	12,126		2,691
Other	1,680						1,680
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	90,487,474	194,390	3,622,900	1,007,576	35,859,402	16,730,754	9,601,250
Materials, supplies, and containers	89,572,035	192,456	3,587,282	991,875	35,457,485	16,643,670	9,487,627
Fuel	306,074	48	10,123	2,489	124,043	21,948	80,762
Purchased electric energy	559,186	1,886	25,495	13,212	243,757	57,987	29,403
Contract work	50,179				34,117	7,149	3,458
Value of products	129,399,406	323,448	5,040,657	1,932,950	52,753,340	23,005,942	12,709,283
Value added by manufacture <sup>4</sup>	38,911,932	129,058	1,417,757	925,374	16,898,988	6,275,188	3,108,033

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	New York	Ohio	Pennsylvania	Rhode Island	Vermont	Wisconsin	Other States <sup>5</sup>
Number of establishments <sup>1</sup> .....	56	12	17	7	5	5	21
Proprietors and firm members.....	37	5	16	2	3	.....	7
Persons reported by manufacturing establishments, total <sup>2</sup> .....	1,952	704	1,501	173	289	271	758
Salaried officers of corporations <sup>2</sup> .....	57	8	9	8	5	7	19
Manufacturing:							
Salaried employees <sup>2</sup> .....	148	42	88	16	10	17	67
Wage earners (average for the year) <sup>3</sup> .....	1,672	632	1,378	145	269	243	661
Distribution.....	72	13	26	4	4	4	11
Construction.....	3	9	.....	.....	1	.....	.....
Other.....	.....	.....	.....	.....	.....	.....	.....
Salaries and wages, total <sup>2</sup> .....	\$1,961,497	\$629,227	\$1,569,527	\$150,306	\$196,318	\$332,998	\$863,482
Salaried officers <sup>2</sup> .....	286,039	30,007	18,894	29,402	10,169	24,931	74,760
Manufacturing:							
Salaries <sup>2</sup> .....	213,847	57,771	153,959	20,958	9,947	39,713	143,770
Wages.....	1,354,561	512,275	1,348,666	96,741	169,785	255,169	630,821
Distribution.....	101,300	24,097	48,008	3,205	3,642	13,185	14,131
Construction.....	5,750	5,077	.....	.....	2,775	.....	.....
Other.....	.....	.....	.....	.....	.....	.....	.....
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	3,563,416	909,642	12,539,308	395,589	255,714	795,627	5,011,906
Materials, supplies, and containers.....	3,469,498	883,058	12,487,858	388,351	235,412	778,183	4,964,260
Fuel.....	20,133	5,463	14,925	2,216	120	4,703	19,101
Purchased electric energy.....	73,785	16,121	36,465	5,022	20,182	12,080	23,791
Contract work.....	.....	.....	60	.....	.....	661	4,734
Value of products.....	6,348,311	1,821,272	15,984,817	690,977	506,437	1,261,662	7,020,310
Value added by manufacture <sup>4</sup> .....	2,784,895	911,630	3,445,509	295,388	250,723	466,035	2,003,404

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>5</sup> Connecticut, 2 establishments; Delaware, 1; Indiana, 2; Kentucky, 2; Maryland, 1; Michigan, 2; Nebraska, 1; New Jersey, 6; North Carolina, 1; Tennessee, 1; Virginia, 2.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Boot and shoe cut stock and findings industry, all products, total value.....	\$129,399,406	\$132,660,355
Boot and shoe cut stock and findings made in this industry.....	124,641,752	120,256,737
Other products (not classified in this industry).....	13,276,148	10,796,253
Receipts for contract work.....	443,796	397,000
Scrap and salable refuse.....	1,037,710	1,210,305
Boot and shoe cut stock and findings, aggregate value.....	125,725,603	122,427,597
Boot and shoe cut stock and findings made in this industry.....	124,641,752	120,256,737
Boot and shoe cut stock made as secondary products in other industries.....	1,083,851	2,170,860

<sup>1</sup> Value of rubber soles and heels, etc.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939	1937
Total value.....	<sup>1</sup> \$125,725,603	<sup>2</sup> \$122,427,597
Boot and shoe cut stock specifically reported, total value.....	\$83,882,540	\$83,245,892
Outer soles, leather <sup>3</sup> :		
Dozen pairs.....	20,069,011	21,286,640
Value.....	\$44,850,925	\$51,304,393
Inner soles:		
Leather—		
Dozen pairs.....	12,913,877	10,083,670
Value.....	\$13,236,348	\$10,670,710
Other than leather—		
Dozen pairs.....	2,603,174	3,513,830
Value.....	\$807,268	\$1,023,612

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

PRODUCT	1939	1937
Boot and shoe cut stock specifically reported—Con. Heels (other than wood or rubber) <sup>3</sup> :		
Leather—		
Dozen pairs.....	3,189,956	4,552,155
Value.....	\$2,639,832	\$3,585,164
Other than leather, wood, or rubber—		
Dozen pairs.....	4,245,843	5,295,931
Value.....	\$1,909,892	\$2,341,774
Heel lifts:		
Leather—		
Quantity and value reported—		
Dozen pairs.....	3,215,878	7,012,539
Value.....	\$1,068,153	\$1,765,203
Quantity not reported, value.....		\$926,730
Other than leather—		
Dozen pairs.....	951,747	350,954
Value.....	\$163,295	\$72,563
Top lifts:		
Leather—		
Dozen pairs.....	5,824,370	.....
Value.....	\$2,422,902	(9)
Other than leather—		
Dozen pairs.....	165,389	.....
Value.....	\$34,492	.....
Counters:		
Leather—		
Quantity and value reported—		
Dozen pairs.....	6,354,667	7,978,369
Value.....	\$3,853,763	\$4,251,713
Quantity not reported, value.....		\$295,454
Other than leather—		
Dozen pairs.....	21,755,587	26,704,006
Value.....	\$3,681,906	\$3,444,833
Box toes:		
Leather—		
Dozen pairs.....	177,013	132,085
Value.....	\$117,021	\$113,761
Other than leather—		
Dozen pairs.....	20,181,351	19,248,400
Value.....	\$3,025,908	\$2,858,275

See footnotes at end of table.

## CENSUS OF MANUFACTURES: 1939

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

	1939	1937
Boot and shoe cut stock specifically reported—Con.		
Taps, leather:		
Dozen pairs.....	2,744,298	( <sup>1</sup> )
Value.....	\$5,913,462	
Rands, leather:		
Dozen pairs.....	( <sup>1</sup> )	1,983,210
Value.....		\$197,620
Uppers (vamps, quarters, tips, tongues, etc.), value.....	\$157,373	\$394,097
Other cut stock of materials other than rubber, not specifically reported, value <sup>7</sup> .....	<sup>1</sup> \$7,630,215	<sup>2</sup> \$11,780,665
Boot and shoe findings specifically reported, total value.....	\$25,592,535	\$21,706,389
Leather welting (equivalent ½ inch wide):		
Linear yards.....	171,263,068	154,845,027
Value.....	\$6,733,062	\$6,838,609
Shanks:		
Quantity and value reported—		
Dozen pairs.....	23,289,951	<sup>3</sup> 20,071,115
Value.....	\$2,189,204	\$2,006,225
Quantity not reported, value.....		\$124,974
Shoe laces, leather and other than leather, value.....	\$483,953	\$485,863
Shoe ornaments (buckles, bows, etc.), value.....	\$1,985,594	( <sup>4</sup> )
Wood heel blocks made for sale as such:		
Dozen pairs.....	7,677,842	6,709,937
Value.....	\$3,519,138	\$3,184,081

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

	1939	1937
Boot and shoe findings specifically reported—Con.		
Finished wood heels:		
Manufactured complete in plant—		
Dozen pairs.....	4,153,467	3,719,182
Value.....	\$4,997,920	\$4,205,821
Finished from purchased blocks—		
Dozen pairs.....	4,818,182	3,779,919
Value.....	\$5,683,664	\$4,618,379
Finished wood heels, quantity not reported, value.....		\$242,437
Other shoe findings not specifically reported, value <sup>5</sup> .....	<sup>1</sup> \$8,620,313	<sup>2</sup> \$5,694,651

<sup>1</sup> The total value includes \$1,083,851, which represents the value of products made in other industries; of this amount, \$844,358 was reported as "Other cut stock of materials other than rubber, not specifically reported" and \$239,493 as "Other shoe findings not specifically reported."  
<sup>2</sup> Revised.

<sup>3</sup> Manufactures of rubber and composition soles and heels are classified in the "Rubber Goods Not Elsewhere Classified" industry.  
<sup>4</sup> No data.

<sup>5</sup> Value of a small number of "Box toes, other than leather" are included under "Other cut stock of materials other than rubber, not specifically reported."  
<sup>6</sup> Not called for on schedule.

<sup>7</sup> Includes value of middlesoles, slipsoles, tips, sock linings, shoe trimmings, etc.  
<sup>8</sup> Value of a small number of "Shanks" is included under "Other shoe findings not specifically reported," as published for 1937.

<sup>9</sup> Includes value of eyelets, arch supports, metal heel and toe plates, fillers, pads, insoles, etc.

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	18,845	19,317	20,171	19,906	19,098	17,701	18,072	18,892	18,832	18,629	18,864	18,059	18,600
1937.....	18,755	19,829	20,276	20,246	19,644	19,324	19,017	19,555	19,207	18,342	17,338	16,029	16,243
1929.....	19,875	18,633	19,621	19,530	19,038	18,755	18,954	20,163	21,561	22,136	21,826	20,204	18,081
California.....	55	57	64	63	50	59	54	50	50	52	50	53	53
Illinois.....	904	948	1,047	1,015	959	825	827	962	945	801	825	796	894
Maine.....	631	623	646	676	622	610	593	578	607	648	696	611	664
Massachusetts.....	7,345	7,339	7,850	7,864	7,550	6,842	6,986	7,442	7,398	7,302	7,379	7,099	7,091
Missouri.....	3,406	3,743	3,735	3,537	3,399	3,154	3,316	3,412	3,300	3,325	3,293	3,154	3,508
New Hampshire.....	1,505	1,601	1,647	1,687	1,521	1,418	1,353	1,384	1,478	1,505	1,536	1,482	1,497
New Jersey.....	132	133	134	124	123	127	130	140	137	133	141	133	127
New York.....	1,072	1,635	1,705	1,735	1,667	1,596	1,631	1,624	1,659	1,720	1,794	1,648	1,652
Ohio.....	632	655	682	638	623	581	649	720	664	612	588	559	609
Pennsylvania.....	1,378	1,423	1,434	1,420	1,399	1,320	1,356	1,371	1,357	1,357	1,381	1,386	1,362
Rhode Island.....	145	138	146	149	151	163	145	155	143	139	136	140	132
Vermont.....	269	274	312	318	321	275	265	282	271	234	233	197	217
Wisconsin.....	243	243	258	229	241	224	223	221	273	246	255	248	255

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	520
Reporting expenditures for plant and equipment.....	246
Value of products:	
Total for the industry.....	\$129,399,406
Reporting expenditures for plant and equipment.....	78,238,715
Expenditures for plant and equipment:	
Total for the industry.....	\$25,215
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	174,480
Expenditures for new machinery and operating equipment.....	559,283
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	91,452

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$24,951,513	\$21,834,653
Finished products.....	12,819,039	10,849,260
Materials, supplies, etc.....	12,132,474	10,985,393
End of year, total.....	26,318,953	27,795,856
Finished products.....	12,611,235	14,326,246
Materials, supplies, etc.....	13,707,718	13,469,610
Value of products for the industry, total.....	129,399,406	132,660,355
Value for establishments reporting inventories (including value of products of establishments reporting no inventories on hand).....	128,088,842	129,810,823
Value for establishments not reporting inventories.....	1,310,564	2,849,532

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929		1939	1929
Number of establishments.....	520	592	Prime movers—Continued.		
Number of establishments reporting power equipment.....	515	518	Prime movers not driving generators—Continued.		
Prime movers, aggregate:			Diesel and semi-Diesel engines—		
Number.....	29	50	Number.....	1	
Horsepower.....	11,540	12,043	Horsepower.....	20	
Prime movers, driving generators, total—			Hydroturbines and water wheels—		
Number.....	21	150	Number.....	1	(3)
Horsepower.....	10,708	12,043	Horsepower.....	400	
Steam engines—			Prime movers not driving generators, ordinarily idle (included above), horsepower.....		
Number.....	15	137	Generators, kilowatt rating, total.....	8,062	7,567
Horsepower.....	2,758	4,355	Generators, driven by—		
Steam turbines—			Steam engines, kilowatt rating.....	1,787	
Number.....	3	16	Steam turbines, kilowatt rating.....	5,600	(3)
Horsepower.....	7,000	17,325	Hydroturbines and water wheels, kilowatt rating.....	675	
Diesel and semi-Diesel engines—			Generators, ordinarily idle (included above), kilowatt rating.....	480	(4)
Number.....			Electric motors, total:		
Horsepower.....		13	Number.....	9,218	6,347
Other internal-combustion engines <sup>2</sup> —		153	Horsepower.....	27,556	27,706
Number.....			Driven by purchased energy—		
Horsepower.....			Number.....	8,714	5,794
Hydroturbines and water wheels—			Horsepower.....	25,308	24,044
Number.....	3	14	Driven by energy generated in establishments reporting—		
Horsepower.....	950	1,210	Number.....	504	553
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	534		Horsepower.....	2,248	3,662
Prime movers not driving generators, total—		(3)	Electric energy (kilowatt-hours):		
Number.....	8		Generated in plant.....	6,899,874	(4)
Horsepower.....	832		Sold.....	4,849,804	(3)
Steam engines—			Purchased.....	21,906,151	23,356,237
Number.....	6				
Horsepower.....	412				

<sup>1</sup> Includes data for prime movers not driving generators.

<sup>2</sup> Gas, gasoline, etc.

<sup>3</sup> Not called for on schedule.

<sup>4</sup> Not available.

## FOOTWEAR (EXCEPT RUBBER)

[A preliminary report for this industry was issued December 31, 1940]

**Description of the industry.**—The establishments classified in this industry are those whose principal products are boots, shoes, sandals, slippers, moccasins, and allied footwear, and leggings, overgaiters, etc., made chiefly of leather but to some extent of canvas and of other textile fabrics. Some of these establishments make only moccasins, sandals, spats, etc.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1939	1,070	218,028	\$183,657,529	\$388,439,102	\$734,673,111	\$346,234,009	30,686
1937	1,080	215,438	191,305,258	416,305,407	768,327,303	352,021,896	( <sup>5</sup> )
1935	1,024	202,113	172,348,507	333,798,972	643,872,470	310,073,498	( <sup>5</sup> )
1933	1,132	190,914	142,054,152	286,303,143	553,425,166	267,122,023	( <sup>5</sup> )
1931	1,156	181,374	163,271,281	337,627,472	653,879,746	316,252,274	( <sup>5</sup> )
1929	1,341	205,640	222,407,732	515,055,246	965,922,694	450,867,448	45,667
1927	1,357	203,110	225,090,242	494,553,016	944,714,463	450,161,447	58,452
1925	1,460	206,992	225,787,981	481,631,964	925,383,422	443,751,458	56,525
1923	1,606	225,216	250,345,922	527,456,868	1,000,078,022	472,621,184	58,409
1921	1,505	183,502	204,954,095	478,432,445	867,475,896	389,043,451	( <sup>5</sup> )
1919	1,449	211,049	210,734,610	715,269,315	1,155,041,436	439,772,121	60,196
1914	1,355	191,555	105,695,404	310,356,586	501,760,458	191,403,872	65,057
1909	1,343	185,116	92,359,152	277,467,743	442,630,726	165,162,983	( <sup>5</sup> )
1904	1,316	149,924	69,059,680	197,363,495	320,107,458	122,743,993	44,169
1899	1,599	141,830	58,440,883	168,632,654	258,969,580	90,336,926	38,362

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Connecticut	Georgia	Illinois	Indiana	Iowa	Kentucky
Number of establishments <sup>1</sup>	1,070	18	9	5	65	8	4	4
Proprietors and firm members	237	7	2		15		3	
Persons reported by manufacturing establishments, total <sup>2</sup>	236,545	1,103	930	1,589	18,817	1,979	269	1,679
Salaried officers of corporations <sup>2</sup>	1,549	17	20	3	67	4	6	
Manufacturing:								
Salaried employees <sup>2</sup>	12,540	103	60	49	919	110	32	77
Wage earners (average for the year) <sup>2</sup>	218,028	908	841	1,527	17,415	1,836	220	1,602
Distribution	4,189	75	3	10	391	27	11	
Construction	195		1		6	2		
Other	44				19			
Salaries and wages, total <sup>2</sup>	\$222,865,621	\$1,249,996	\$854,122	\$1,191,456	\$16,661,057	\$1,663,628	\$209,926	\$1,315,120
Salaried officers <sup>2</sup>	9,563,517	48,447	130,353	27,600	316,367	11,645	16,112	
Manufacturing:								
Salaries <sup>2</sup>	10,817,468	152,656	76,973	80,984	1,356,927	140,901	41,446	98,645
Wages	183,657,529	947,670	639,322	1,055,487	14,230,794	1,485,744	139,909	1,216,475
Distribution	9,566,540	101,214	6,364	27,385	705,250	24,591	12,759	
Construction	195,078		1,110		7,165	747		
Other	75,489				44,554			
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	388,439,102	1,617,226	1,726,470	2,582,521	30,428,426	3,978,546	453,755	2,519,750
Materials, supplies, and containers	383,343,831	1,524,095	1,712,884	2,560,393	30,134,091	3,942,328	445,875	2,495,949
Fuel	1,246,180	2,016	2,185	3,319	85,449	10,742	1,608	2,971
Purchased electric energy	2,765,678	11,229	11,401	18,809	180,134	25,476	6,272	20,830
Contract work	1,083,413	79,888			27,852			
Value of products	734,673,111	3,612,875	2,865,664	4,331,865	62,897,074	6,749,002	666,405	5,275,611
Value added by manufacture <sup>4</sup>	346,234,009	1,995,649	1,139,194	1,749,344	32,468,648	2,770,456	212,650	2,755,861

See footnotes at end of table.

FOOTWEAR (EXCEPT RUBBER)

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	Maine	Maryland	Massachusetts	Michigan	Minnesota	Missouri	New Hampshire	New Jersey
Number of establishments <sup>1</sup> .....	57	12	275	8	6	68	70	23
Proprietors and firm members.....	14	1	60	-----	-----	1	6	3
Persons reported by manufacturing establishments, total <sup>2</sup> .....	16,581	3,094	40,944	1,145	843	28,593	19,716	2,826
Salaried officers of corporations <sup>3</sup> .....	97	20	450	10	17	59	80	53
Manufacturing:								
Salaried employees <sup>3</sup> .....	831	218	3,123	83	69	1,366	1,006	153
Wage earners (average for the year) <sup>4</sup> .....	15,510	2,706	45,595	1,001	716	26,918	18,528	2,536
Distribution.....	129	48	750	50	41	241	97	78
Construction.....	8	102	19	1	-----	9	5	6
Other.....	6	-----	7	-----	-----	-----	-----	-----
Salaries and wages, total <sup>2</sup> .....	\$14,893,349	\$2,728,789	\$47,785,667	\$1,123,411	\$755,370	\$25,280,518	\$19,061,483	\$2,805,212
Salaried officers <sup>3</sup> .....	665,385	134,980	2,824,992	60,619	70,360	430,260	795,574	292,900
Manufacturing:								
Salaries <sup>3</sup> .....	1,451,347	270,549	5,007,063	142,838	83,590	1,965,802	1,863,367	270,734
Wages.....	12,353,483	2,162,830	38,085,411	862,547	549,530	21,962,022	16,061,955	2,051,555
Distribution.....	408,600	89,303	1,856,593	54,350	51,890	899,809	331,325	183,978
Construction.....	10,961	71,127	16,399	2,000	-----	22,625	9,262	6,045
Other.....	3,573	-----	15,209	1,057	-----	-----	-----	-----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	25,286,753	4,665,934	76,176,445	2,888,286	1,359,035	52,341,049	37,009,960	4,178,942
Materials, supplies, and containers.....	25,013,540	4,618,089	74,875,617	2,855,616	1,339,439	51,909,922	36,579,426	4,093,069
Fuel.....	77,954	8,352	305,858	14,224	5,514	121,050	97,609	9,728
Purchased electric energy.....	186,857	39,493	601,800	18,446	14,082	209,602	271,061	36,287
Contract work.....	8,402	-----	393,170	-----	-----	100,475	61,864	39,878
Value of products.....	46,162,403	8,276,100	142,110,567	4,686,142	2,915,967	100,346,106	63,464,629	8,000,688
Value added by manufacture <sup>4</sup> .....	20,875,650	3,610,166	65,934,122	1,797,856	1,556,932	48,005,057	26,454,669	3,821,746

  

ITEM	New York	Ohio	Oregon	Pennsylvania	Tennessee	Texas	Washington	Wisconsin	Other States <sup>5</sup>
Number of establishments <sup>1</sup> .....	208	37	5	91	14	6	6	52	19
Proprietors and firm members.....	60	5	4	31	-----	1	5	11	8
Persons reported by manufacturing establishments, total <sup>2</sup> .....	34,127	16,129	72	16,113	4,985	256	106	11,099	4,540
Salaried officers of corporations <sup>3</sup> .....	341	38	6	143	10	8	4	67	29
Manufacturing:									
Salaried employees <sup>3</sup> .....	1,563	615	5	998	163	20	8	659	310
Wage earners (average for the year) <sup>4</sup> .....	31,221	15,159	60	14,748	4,757	207	80	9,770	4,168
Distribution.....	970	305	1	222	55	21	14	693	42
Construction.....	20	12	-----	4	-----	-----	-----	-----	-----
Other.....	12	-----	-----	-----	-----	-----	-----	-----	-----
Salaries and wages, total <sup>2</sup> .....	\$35,252,461	\$15,394,303	\$94,651	\$14,177,160	\$4,332,498	\$324,741	\$149,934	\$11,676,063	\$3,884,706
Salaried officers <sup>3</sup> .....	1,840,014	314,813	19,280	900,684	83,088	43,600	14,100	438,897	83,447
Manufacturing:									
Salaries <sup>3</sup> .....	2,441,864	960,170	6,512	1,520,553	297,283	34,054	14,894	1,153,464	384,852
Wages.....	28,805,532	13,271,323	58,998	11,204,707	3,856,872	214,040	99,738	9,040,337	3,321,539
Distribution.....	2,121,034	839,496	9,861	545,001	95,255	33,047	21,202	1,043,365	94,868
Construction.....	32,921	8,501	-----	6,215	-----	-----	-----	-----	-----
Other.....	11,096	-----	-----	-----	-----	-----	-----	-----	-----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	54,209,336	21,128,667	117,892	24,623,587	10,645,889	354,608	241,212	22,469,534	7,435,279
Materials, supplies, and containers.....	53,433,302	20,656,020	114,062	24,323,850	10,556,398	348,886	236,730	22,240,045	7,333,305
Fuel.....	226,933	74,180	518	75,613	16,835	1,626	1,195	80,607	20,094
Purchased electric energy.....	448,833	159,905	1,812	219,986	72,656	4,096	3,287	148,882	54,462
Contract work.....	100,268	238,662	1,500	4,138	-----	-----	-----	-----	27,418
Value of products.....	104,144,500	47,200,357	233,387	46,117,984	17,740,737	882,630	443,793	42,988,954	12,559,671
Value added by manufacture <sup>4</sup> .....	49,935,164	26,071,690	115,495	21,494,397	7,094,848	528,022	202,531	20,510,420	5,124,392

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>5</sup> Alabama, 1 establishment; Arizona, 1; Florida, 2; Kansas, 1; Nebraska, 3; North Carolina, 1; Rhode Island, 1; Vermont, 1; Virginia, 6; West Virginia, 2.

## CENSUS OF MANUFACTURES: 1939

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Footwear (Except Rubber) industry, all products, total value.....	\$734, 673, 111	\$768, 327, 303
Boots, shoes, slippers, other footwear, leggings, overgaiters, puttees, etc., made in this industry.....	732, 311, 600	766, 407, 413
Other products (not classified in this industry).....	<sup>1</sup> 524, 298	937, 881
Miscellaneous products not specified.....	978, 349	962, 009
Receipts for contract work.....	858, 864	
Boots, shoes, slippers, leggings, etc., aggregate value.....	732, 807, 874	766, 616, 291
Boots, shoes, slippers, leggings, etc., made in this industry.....	732, 311, 600	766, 407, 413
Boots, shoes, slippers, leggings, etc., made in other industries.....	496, 274	208, 878

<sup>1</sup> Value of boot and shoe cut stock and findings.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	Census year	TOTAL		WELTED, INCLUDING SILHOU-WELT		MCKAY, INCLUDING LITTLE-WAY	
		Number of pairs	Value	Number of pairs	Value	Number of pairs	Value
Boots, shoes, slippers, and other footwear, total.....	1939	435, 253, 123	<sup>1</sup> \$732, 807, 874	<sup>2</sup> 128, 690, 575	\$297, 261, 252	<sup>3</sup> 79, 400, 168	\$130, 451, 663
	1937	424, 971, 349	<sup>2</sup> 766, 616, 291	<sup>2</sup> 138, 961, 933	337, 843, 024	<sup>2</sup> 85, 237, 765	146, 715, 215
Men's:							
Dress.....	1939	76, 636, 981	182, 166, 659	65, 789, 887	167, 039, 429	9, 406, 376	12, 729, 012
	1937	76, 190, 883	196, 887, 572	66, 846, 253	181, 815, 731	7, 462, 400	11, 980, 987
Work.....	1939	28, 124, 504	48, 553, 025	7, 337, 433	15, 986, 483	4, 642, 239	6, 780, 506
	1937	27, 938, 170	54, 097, 048	8, 132, 200	19, 542, 372	1, 439, 703	2, 392, 512
Youths' and boys'.....	1939	17, 316, 169	24, 778, 307	<sup>4</sup> 6, 251, 273	<sup>4</sup> 10, 909, 507	4, 748, 069	5, 924, 412
	1937	19, 126, 985	29, 775, 237	<sup>4</sup> 7, 379, 704	<sup>4</sup> 13, 883, 953	3, 560, 829	4, 984, 506
Women's.....	1939	168, 776, 620	335, 126, 882	30, 553, 903	76, 793, 183	45, 153, 073	84, 416, 703
	1937	150, 899, 559	319, 654, 829	34, 367, 269	89, 852, 697	48, 223, 478	94, 396, 329
Misses' and children's.....	1939	46, 091, 283	50, 290, 097	8, 124, 799	13, 622, 534	4, 248, 090	5, 983, 093
	1937	43, 382, 107	50, 071, 789	7, 749, 609	13, 782, 304	3, 415, 705	9, 746, 120
Infants'.....	1939	24, 631, 553	17, 649, 709	5, 390, 497	4, 791, 659	1, 140, 215	799, 114
	1937	23, 357, 159	17, 600, 253	6, 591, 096	5, 450, 472	1, 263, 993	867, 950
Athletic.....	1939	4, 144, 194	8, 890, 403	1, 060, 730	3, 132, 630	2, 703, 526	5, 278, 477
	1937	2, 647, 862	7, 346, 065	1, 048, 349	3, 462, 765	1, 342, 170	3, 083, 488
Part-leather and part-fabric uppers with leather soles.....	1939	7, 558, 481	16, 293, 291	<sup>5</sup> 326, 539	<sup>4</sup> 1, 600, 885	1, 014, 022	2, 293, 963
	1937	14, 558, 785	34, 416, 097	<sup>6</sup> 1, 149, 925	<sup>6</sup> 4, 456, 124	4, 277, 259	10, 215, 538
Canvas, satin, and other fabric uppers with leather soles.....	1939	5, 760, 232	8, 107, 065	(7)	(7)	<sup>7</sup> 541, 255	<sup>7</sup> 1, 479, 011
	1937	8, 073, 378	15, 158, 828	701, 783	1, 074, 829	1, 642, 569	3, 004, 664
Slippers and moccasins for housewear:							
All-leather.....	1939	15, 339, 027	15, 227, 221	2, 886, 668	2, 652, 519	2, 376, 500	2, 493, 282
	1937	13, 918, 383	14, 348, 672	2, 066, 919	1, 808, 226	2, 076, 318	2, 433, 160
Part-leather, felt, etc.....	1939	34, 323, 547	19, 516, 671	937, 644	443, 279	2, 885, 510	1, 856, 228
	1937	37, 801, 877	19, 780, 644	2, 815, 119	1, 841, 004	5, 067, 877	3, 278, 918
Beach sandals.....	1939	4, 860, 788	3, 631, 692	(9)	(9)	541, 263	417, 862
	1937	5, 206, 052	3, 745, 560	(9)	(9)	465, 464	331, 043
All other footwear not specified above, including barefoot sandals, ballet slippers, etc.....	1939	1, 694, 749	1, 585, 054	31, 202	289, 144	(10)	(10)
	1937	1, 870, 119	2, 529, 285	<sup>11</sup> 113, 207	<sup>11</sup> 837, 547	(11)	(11)
Leggings, overgaiters, puttees, etc.....	1939		<sup>1</sup> 495, 524				
	1937		<sup>2</sup> 995, 534				
Leggings, overgaiters, puttees, slippers, etc., made as secondary products in other industries not reported separately, and for which quantity was not reported, value.....	1939		<sup>1</sup> 496, 274				
	1937		<sup>2</sup> 208, 878				

See footnotes at end of table.

FOOTWEAR (EXCEPT RUBBER)

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TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

PRODUCT	Cen- sus year	TURNED		WOOD- OR METAL-FASTENED		STITCHDOWN		CEMENTED	
		Number of pairs	Value	Number of pairs	Value	Number of pairs	Value	Number of pairs	Value
Boots, shoes, slippers, and other footwear, total	1939 1937	2 33, 217, 042 2 27, 235, 741	\$21, 867, 157 26, 298, 406	2 18, 486, 119 2 23, 650, 546	\$28, 318, 435 40, 080, 402	2 63, 148, 159 2 56, 346, 060	\$61, 414, 998 52, 175, 360	2 112, 316, 065 2 93, 539, 304	\$192, 502, 571 162, 299, 472
Men's:									
Dress	1939 1937	(12) (13)	(12) (13)	(12) 469, 587	(12) 745, 070	1, 124, 250 1, 080, 615	1, 557, 249 1, 282, 694	12 316, 468 12 332, 028	12 840, 969 12 1, 063, 090
Work	1939 1937			14, 132, 831 16, 970, 738	23, 431, 200 30, 518, 377	2, 012, 001 1, 395, 529	2, 354, 836 1, 643, 787		
Youths' and boys'	1939 1937	(4) (4)	(4) (4)	3, 494, 433 5, 230, 285	4, 504, 085 7, 645, 902	2, 822, 364 2, 956, 167	3, 440, 303 3, 255, 876		
Women's	1939 1937	1, 475, 191 3, 081, 926	5, 156, 001 10, 464, 533	14 67, 970 14 639, 519	14 100, 153 14 844, 935	10, 296, 150 6, 742, 543	13, 741, 473 9, 013, 006	81, 235, 130 57, 844, 854	154, 919, 369 115, 083, 329
Misses' and children's	1939 1937	143, 280 373, 468	174, 405 528, 869	(14) (14)	(14) (14)	30, 297, 378 25, 549, 651	26, 312, 661 23, 606, 811	3, 272, 939 1, 293, 774	4, 197, 404 2, 407, 685
Infants'	1939 1937	5, 476, 761 3, 804, 008	2, 282, 375 2, 166, 348	(15) (15)	(15) (15)	10, 519, 727 9, 334, 812	7, 974, 442 7, 042, 229	15 2, 104, 353 2, 363, 250	15 1, 802, 119 2, 073, 254
Athletic	1939 1937	13, 268 17 162, 220	44, 905 17 625, 377	(16) (16)	(16) (16)	16 366, 670 94, 623	16 434, 391 174, 435	(16) (17)	(16) (17)
Part-leather and part-fabric uppers with leather soles	1939 1937	312, 512 104, 065	372, 012 684, 037	(5) (5)	(5) (5)	(5) (5)	(5) (5)	5, 905, 408 9, 027, 536	12, 026, 431 19, 030, 398
Canvas, satin, and other fabric uppers with leather soles	1939 1937	(7) 105, 541	(7) 251, 865			(7) (7)	(7) (7)	5, 218, 977 5, 623, 485	6, 628, 054 10, 827, 470
Slippers and moccasins for housewear:									
All-leather	1939 1937	5, 740, 186 4, 217, 622	5, 043, 641 4, 337, 450	(18) (18)	(18) (18)	18 1, 217, 720 2, 376, 458	18 1, 531, 915 1, 895, 968	3, 117, 953 3, 131, 066	3, 505, 864 3, 873, 868
Part-leather, felt, etc.	1939 1937	19, 765, 982 15, 290, 534	8, 421, 683 7, 056, 386	(19) (19)	(19) (19)	19 2, 677, 334 5, 030, 503	19 2, 688, 016 2, 553, 947	8, 057, 077 9, 597, 844	6, 107, 465 5, 040, 389
Beach sandals	1939 1937	185, 533 (9)	177, 655 (9)	8 746, 704 8 323, 126	8 211, 742 8 165, 331	299, 438 235, 394	349, 537 442, 388	3, 087, 760 4, 181, 568	2, 474, 896 2, 806, 748
All other footwear not specified above, including barefoot sandals, ballet slippers, etc.	1939 1937	104, 329 11 96, 357	194, 480 11 133, 541	44, 091 17, 291	71, 255 160, 737	10 1, 515, 127 11 1, 549, 365	10 1, 030, 175 11 1, 254, 219	(10) 93, 899	(10) 93, 241
Leggings, overgaiters, puttees, etc.	1939 1937								
Leggings, overgaiters, puttees, slippers, etc., made as secondary products in other indus- tries not reported separately, and for which quantity was not reported, value.	1939 1937								

<sup>1</sup> Includes value (\$495,524) of a quantity of leggings, overgaiters, puttees, etc., made within this industry, and the value (\$496,274) of a quantity of leggings, overgaiters, puttees, and slippers made as secondary products in other industries for which no quantity was reported. These values are shown at the bottom of the table.

<sup>2</sup> The totals do not represent the actual number of pairs of shoes by each method of construction because of combinations made to avoid disclosing production of individual establishments. In all instances, however, the actual reported total for each type of shoe by method of construction is within 1 percent of the total shown.

<sup>3</sup> Includes value (\$995,534) of a quantity of leggings, overgaiters, puttees, etc., made within this industry, and the value (\$208,878) of a quantity of leggings, overgaiters, puttees, and slippers made as secondary products in other industries for which no quantity was reported. These values are shown at the bottom of the table.

<sup>4</sup> Data for a small number of pairs of youths' and boys' "Turned" shoes included in figure for "Wetted, including Silhouwelt" to avoid disclosing production of individual establishments.

<sup>5</sup> Data for a small number of pairs of part-leather and part-fabric "Wood- or metal-fastened" and "Stitchdown" shoes included in figure for "Wetted, including Silhouwelt" to avoid disclosing production of individual establishments.

<sup>6</sup> Data for a small number of pairs of part-leather and part-fabric "Stitchdown" shoes included in figure for "Wetted, including Silhouwelt" to avoid disclosing production of individual establishments.

<sup>7</sup> Data for a small number of pairs of canvas, satin, and other fabric "Wetted, including Silhouwelt," "Turned," and "Stitchdown" shoes included in figure for "McKay, including Littleway" to avoid disclosing production of individual establishments.

<sup>8</sup> Data for a small number of pairs of "Wetted, including Silhouwelt" beach sandals included in figure for "Wood- or metal-fastened" to avoid disclosing production of individual establishments.

<sup>9</sup> Data for a small number of pairs of "Wetted, including Silhouwelt" and "Turned" beach sandals included in figure for "Wood- or metal-fastened" to avoid disclosing production of individual establishments.

<sup>10</sup> Data for a small number of pairs of "McKay, including Littleway" and "Cemented" footwear included in figure for "Stitchdown" to avoid disclosing production of individual establishments.

<sup>11</sup> Data for a small number of pairs of "Wetted, including Silhouwelt" and "Stitchdown" ballet slippers form the "Turned" figure to avoid disclosing the production of individual establishments; shown as "Ballet slippers" in 1937 report. Also a small number of "All other footwear" in the "McKay, including Littleway" and "Turned" classes are included in "Wetted, including Silhouwelt."

<sup>12</sup> Data for a small number of pairs of men's "Turned" and "Wood- or metal-fastened" shoes included in figure for "Cemented" to avoid disclosing production of individual establishments.

<sup>13</sup> Data for a small number of pairs of men's "Turned" shoes included in figure for "Cemented" to avoid disclosing production of individual establishments.

<sup>14</sup> Data for a small number of pairs of misses' and children's "Wood- or metal-fastened" shoes included in total for "Women's" to avoid disclosing production of individual establishments.

<sup>15</sup> Data for a small number of pairs of infants' "Wood- or metal-fastened" shoes included in figure for "Cemented" to avoid disclosing production of individual establishments.

<sup>16</sup> Data for a small number of pairs of athletic "Wood- or metal-fastened" and "Cemented" shoes included in figure for "Stitchdown" to avoid disclosing production of individual establishments.

<sup>17</sup> Data for a small number of pairs of athletic "Cemented" shoes included in figure for "Turned" to avoid disclosing production of individual establishments.

<sup>18</sup> Data for a small number of pairs of leather "Wood- or metal-fastened" slippers included in figure for "Stitchdown" to avoid disclosing production of individual establishments.

<sup>19</sup> Data for a small number of pairs of part-leather, felt, etc., "Wood- or metal-fastened" slippers included in figures for "Stitchdown" to avoid disclosing production of individual establishments.

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

STATE	Average number em- ployed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939	218,028	219,892	231,499	234,459	225,835	206,944	208,320	220,820	224,347	219,123	214,821	202,652	207,622
1937	215,438	221,622	230,479	234,261	228,550	218,905	214,936	223,179	224,441	215,091	204,560	181,177	190,056
1929	205,640	195,120	205,944	207,829	201,795	197,265	195,023	205,169	217,921	223,616	220,552	203,954	193,491
California	908	721	887	936	835	724	818	961	998	980	1,032	1,048	950
Connecticut	841	715	705	714	681	682	690	893	974	1,006	1,028	994	1,015
Georgia	1,527	1,623	1,656	1,671	1,606	1,580	1,472	1,445	1,446	1,452	1,440	1,454	1,480
Illinois	17,415	17,550	18,482	18,750	17,748	17,387	17,036	18,089	17,862	17,223	16,228	15,658	16,968
Indiana	1,836	1,774	1,823	1,858	1,810	1,642	1,788	1,823	1,892	1,883	1,866	1,895	1,981
Iowa	220	195	182	186	129	120	183	273	288	268	263	274	278
Kentucky	1,602	1,461	1,560	1,619	1,600	1,464	1,555	1,664	1,712	1,712	1,640	1,584	1,643
Maine	15,510	16,036	16,893	17,106	16,382	15,140	15,054	16,267	16,162	15,395	14,585	13,380	13,718
Maryland	2,706	2,691	2,730	2,695	2,577	2,513	2,531	2,579	2,641	2,768	2,874	2,978	2,894
Massachusetts	45,595	44,984	48,563	49,349	48,275	42,921	41,706	46,422	48,409	46,964	46,577	42,859	40,110
Michigan	1,001	948	966	973	988	999	1,015	983	1,016	1,045	1,057	1,005	1,018
Minnesota	716	678	738	784	794	800	676	654	711	711	743	660	662
Missouri	26,918	28,753	30,266	30,691	29,302	23,125	25,144	26,885	26,757	25,807	25,346	22,974	27,961
Nebraska	119	106	116	117	114	111	111	117	123	122	128	129	123
New Hampshire	18,528	20,164	21,205	21,520	20,186	17,724	17,449	17,728	18,439	18,121	17,230	16,066	16,557
New Jersey	2,536	2,406	2,455	2,604	2,559	2,509	2,597	2,512	2,523	2,588	2,609	2,636	2,433
New York	31,221	30,163	31,853	32,164	31,115	30,349	31,292	31,497	31,798	31,313	31,305	30,815	30,986
Ohio	15,159	15,693	16,075	16,281	15,560	14,961	14,598	15,823	15,875	15,656	14,807	13,286	13,293
Oregon	60	56	57	57	58	59	56	60	62	61	65	68	68
Pennsylvania	14,746	14,408	15,101	15,302	14,782	14,063	14,594	15,282	15,170	14,565	14,661	14,426	14,601
Tennessee	4,757	4,564	4,877	4,807	4,693	4,621	4,622	4,818	4,948	4,927	4,965	4,528	4,716
Texas	207	195	197	204	205	205	205	209	214	213	210	212	213
Virginia	3,076	3,084	3,044	2,991	3,000	2,912	3,020	3,184	3,223	3,260	3,189	3,067	2,942
Washington	80	81	81	81	80	79	78	75	78	79	82	83	85
Wisconsin	9,770	9,841	9,976	9,929	9,791	9,375	9,323	9,606	9,950	9,928	9,835	9,681	10,009

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	1,070
Reporting expenditures for plant and equipment	664
Value of products:	
Total for the industry	\$734,673,111
Reporting expenditures for plant and equipment	582,936,571
Expenditures for plant and equipment:	
Total for the industry	6,341,749
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	1,431,033
Expenditures for new machinery and operating equipment	3,810,692
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	1,098,541
Expenditures unclassified	1,483

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total	\$78,642,664	\$96,944,573
Finished products	26,560,147	41,784,560
Materials, supplies, etc.	52,082,517	55,160,013
End of year, total	97,416,295	107,876,146
Finished products	29,923,207	50,559,510
Materials, supplies, etc.	67,493,088	57,316,636
Value of products for the industry, total	734,673,111	768,327,303
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	718,718,626	717,796,853
Value for establishments not reporting inventories	15,954,485	50,530,450

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments	1,070	1,341
Number of establishments reporting power equipment	1,042	1,274
Prime movers, aggregate:		
Number	136	257
Horsepower	30,686	45,667

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929—Continued

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators, total—		
Number	116	1,257
Horsepower	28,303	145,667
Steam engines—		
Number	92	1,222
Horsepower	23,383	139,652
Steam turbines—		
Number	9	18
Horsepower	858	1,743
Diesel and semi-Diesel engines—		
Number	11	
Horsepower	2,195	
Other internal-combustion engines <sup>1</sup> —		
Number		117
Horsepower		1,217
Hydroturbines and water wheels—		
Number	4	110
Horsepower	1,867	12,100
Prime movers, driving generators, ordinarily idle (included above), horsepower	7,180	
Prime movers not driving generators, total:		
Number	20	
Horsepower	2,383	
Steam engines—		
Number	19	( <sup>2</sup> )
Horsepower	2,103	
Hydroturbines and water wheels:		
Number	1	
Horsepower	280	
Prime movers not driving generators, ordinarily idle (included above), horsepower	900	
Generators, kilowatt rating, total	19,071	24,097
Generators, driven by—		
Steam engines, kilowatt rating	15,717	
Steam turbines, kilowatt rating	757	
Diesel and semi-Diesel engines, kilowatt rating	1,362	( <sup>3</sup> )
Hydroturbines and water wheels, kilowatt rating	1,235	
Generators, ordinarily idle (included above), kilowatt rating	4,986	( <sup>4</sup> )
Electric motors, total:		
Number	68,603	42,026
Horsepower	134,569	117,214
Driven by purchased energy—		
Number	60,089	35,352
Horsepower	116,713	94,662
Driven by energy generated in establishments reporting—		
Number	8,514	6,674
Horsepower	17,856	22,552
Electric energy (kilowatt-hours):		
Generated in plant	22,474,706	( <sup>4</sup> )
Sold	4,184,377	( <sup>4</sup> )
Purchased	134,718,838	112,556,805

<sup>1</sup> Includes data for prime movers not driving generators. <sup>2</sup> Gas, gasoline, etc. <sup>3</sup> Not called for on schedule. <sup>4</sup> Data not available.

## LEATHER GLOVES AND MITTENS

**Description of the industry.**—This industry, as constituted for the purposes of the Biennial Census of Manufactures, embraces establishments engaged primarily in the manufacture of leather gloves and mittens, lined and unlined. The industry does not cover sporting and athletic gloves, which are products of the Sporting and Athletic Goods industry. The report for *knitted* gloves and mittens will be found in the report for "Knit Goods" and the report for *work gloves and mittens* of cloth or cloth and leather combined in the report for the Miscellaneous Apparel subgroup.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1939<sup>1</sup>

CENSUS YEAR	Number of establishments <sup>2</sup>	Wage earners (average for the year) <sup>3</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>4</sup>	Value of products	Value added by manufacture <sup>5</sup>	Horsepower of prime movers
1939.....	233	9,995	\$7,408,682	\$13,762,985	\$26,830,856	\$13,067,871	791
1937.....	221	11,637	9,039,087	15,719,653	30,718,238	14,998,585	( <sup>6</sup> )
1935.....	224	9,810	8,499,756	13,874,408	28,130,909	14,256,501	( <sup>7</sup> )
1933.....	194	8,129	6,433,710	11,376,732	23,470,054	12,093,322	( <sup>6</sup> )
1931.....	227	7,884	7,553,974	13,136,380	28,023,634	14,887,254	( <sup>6</sup> )
1929.....	257	9,203	9,203,911	20,205,740	39,122,729	18,916,989	1,347
1927.....	232	9,106	8,813,912	19,276,416	36,662,053	17,385,637	922
1925.....	226	7,115	6,914,788	17,778,693	33,292,916	15,514,223	1,127
1923.....	260	10,010	8,544,709	20,223,924	38,080,575	17,856,651	1,895
1921.....	272	7,907	5,842,784	13,844,159	24,855,321	11,011,162	( <sup>6</sup> )
1919.....	355	10,685	8,150,784	26,286,129	46,940,511	20,654,382	1,293
1914.....	352	10,668	4,558,360	12,170,694	21,614,109	9,443,415	2,031
1909.....	377	11,354	4,763,830	13,208,001	23,630,598	10,422,597	1,985
1904.....	339	10,645	3,840,253	10,000,889	17,740,385	7,739,496	2,201
1899.....	394	14,345	4,182,518	9,483,130	16,926,156	7,443,026	1,798

<sup>1</sup> The figures for 1925 and subsequent years are not comparable with those for 1923 and prior years because of the inclusion in the figures for earlier years of the statistics for certain establishments which manufactured gloves and mittens of cloth and leather combined; for later years this class of establishments was included in the cloth-glove and mitten industry.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>4</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>5</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>6</sup> Not called for on schedule.

<sup>7</sup> Data not available.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	Iowa	New York	Oregon	Washington	Wisconsin	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	233	15	15	4	154	4	5	23	13
Proprietors and firm members.....	225	15	10	-----	180	6	5	4	5
Persons reported by manufacturing establishments, total <sup>3</sup> .....	11,123	246	897	240	6,852	29	66	1,906	886
Salaried officers of corporations <sup>3</sup> .....	191	9	15	6	103	-----	1	32	25
Manufacturing:									
Salaried employees <sup>3</sup> .....	572	13	37	21	342	1	4	110	44
Wage earners (average for the year) <sup>4</sup> .....	9,995	204	822	179	6,242	23	58	1,664	802
Distribution.....	336	18	21	34	146	5	3	94	15
Construction.....	9	1	-----	-----	4	-----	-----	4	-----
Other.....	20	1	2	-----	15	-----	-----	2	-----
Salaries and wages, total <sup>5</sup> .....	\$9,416,347	\$209,027	\$729,639	\$164,474	\$5,607,015	\$23,275	\$54,639	\$1,809,181	\$819,097
Salaried officers <sup>3</sup> .....	714,211	18,803	67,762	12,980	376,871	-----	2,220	146,523	89,052
Manufacturing:									
Salaries <sup>3</sup> .....	760,998	18,105	50,000	17,573	464,820	300	7,318	138,315	64,567
Wages.....	7,408,682	154,336	577,381	103,740	4,493,331	17,387	43,524	1,382,256	636,727
Distribution.....	499,512	15,999	33,495	30,181	247,461	5,588	1,577	136,480	28,751
Construction.....	10,200	1,420	-----	-----	4,710	-----	-----	4,070	-----
Other.....	22,744	364	1,001	-----	19,322	-----	-----	1,557	-----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	13,762,985	339,222	1,215,659	174,543	8,562,214	41,021	115,562	2,175,377	1,139,387
Materials, supplies, and containers.....	12,574,808	335,930	1,200,609	171,157	7,458,659	40,432	114,283	2,133,569	1,120,169
Fuel.....	69,196	475	3,981	405	44,555	200	467	10,911	8,202
Purchased electric energy.....	83,503	2,277	11,069	2,981	41,427	389	812	15,207	9,341
Contract work.....	1,035,478	540	-----	-----	1,017,573	-----	-----	15,690	1,675
Value of products.....	26,830,856	647,960	2,299,718	404,282	16,078,144	99,390	200,446	4,833,696	2,267,220
Value added by manufacture <sup>5</sup> .....	13,067,871	308,738	1,084,059	229,739	7,515,930	58,369	84,584	2,658,319	1,127,833

<sup>1</sup> Indiana, 2 establishments; Massachusetts, 2; Michigan, 1; Minnesota, 2; New Hampshire, 1; New Jersey, 1; Ohio, 2; Pennsylvania, 2.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

## CENSUS OF MANUFACTURES: 1939

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939		1937		
	1939	1937	1939	1937	
Leather Gloves and Mittens industry, all products, total value.....	\$26,830,856	\$30,718,238	Leather gloves and mittens, aggregate value.....	\$25,669,853	\$29,797,931
Leather gloves and mittens made in this industry.....	24,402,104	28,938,563	Men's and boys'.....	14,802,962	18,987,052
Miscellaneous products not specified.....	146,978	44,962	Women's and children's.....	10,866,891	10,810,879
Receipts for contract work.....	48,180	61,486	Leather gloves and mittens made in this industry.....	24,402,104	28,938,563
Other products (not classified in this industry).....	1,233,594	1,673,227	Leather gloves and mittens made as secondary products in other industries.....	1,267,749	859,368

<sup>1</sup> Fabric and combination gloves, leather coats and jackets, leather aprons, collars, etc., leather hand and leg protectors and leather cases.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	MEN'S AND BOYS'				WOMEN'S AND CHILDREN'S			
	1939		1937		1939		1937	
	Dozen pairs	Value	Dozen pairs	Value	Dozen pairs	Value	Dozen pairs	Value
Total value.....		\$14,802,962		\$18,987,052		\$10,866,891		\$10,810,879
Leather gloves and mittens:								
Dress gloves and mittens—								
Gloves—								
Table-cut and pulldown-cut—								
Seamed wholly by machine.....	76,763	1,542,413	114,930	2,435,759	389,860	6,567,304	326,522	5,615,426
Seamed wholly or partly by hand.....	13,062	382,033	11,904	361,656	53,908	1,020,057	50,602	982,472
Pattern-cut.....	142,921	2,042,820	167,490	2,486,237	191,613	2,270,980	185,330	2,464,559
Block-cut.....	536,438	5,000,008	664,946	6,685,060	84,247	685,390	125,420	1,133,380
Mittens—								
Block-cut.....	44,426	128,171	4,723	21,579	6,447	16,007	28,484	83,789
Work gloves and mittens—								
Gloves.....	725,682	4,241,305	893,653	5,534,793	22,785	123,095	40,306	194,153
Mittens.....	257,531	1,310,582	277,535	1,461,968	56,674	184,058	87,751	337,100
Gloves and mittens not reported by kind.....	( <sup>1</sup> )	155,630						

<sup>1</sup> Quantity not reported.

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939

PRODUCT	Dozen pairs	Value	PRODUCT	Dozen pairs	Value
Dress gloves and mittens—			Dress gloves and mittens—Continued.		
Gloves—			Gloves—Continued.		
Table-cut and pulldown-cut—			Block-cut—Continued.		
Men's and boys', total.....	76,763	\$1,542,413	Women's and children's, total.....	84,247	\$685,390
New York.....	73,989	1,471,939	New York.....	62,649	518,243
Other States (Ill., Mass., Oreg., Wis.).....	2,774	70,474	Wisconsin.....	16,898	112,150
Women's and children's, total.....	389,860	6,567,304	Other States (Ill., Iowa).....	4,700	54,997
New York.....	369,243	6,285,134	Work gloves and mittens—		
Other States (Calif., Ill., Mass., N. J., Wis.).....	20,617	282,170	Men's and boys'—		
Pattern-cut—			Gloves, total.....	725,682	4,241,305
Men's and boys', total.....	142,921	2,042,820	California.....	40,466	386,995
New York.....	93,717	1,448,312	Illinois.....	202,690	1,300,573
Wisconsin.....	19,241	269,211	Indiana.....	67,766	333,173
Other States (Ill., Iowa).....	29,963	325,297	Michigan.....	70,388	338,212
Women's and children's, total.....	191,613	2,270,980	Minnesota.....	12,259	64,294
New York.....	175,534	1,998,275	New York.....	28,463	175,929
Other States (Ill., Wis.).....	16,079	272,705	Oregon.....	24,805	164,100
Block-cut—			Washington.....	30,214	197,750
Men's and boys', total.....	536,438	5,000,008	Wisconsin.....	82,551	411,463
Illinois.....	31,945	341,544	Other States (Ga., Iowa, Mo., N. H., Ohio, Pa.).....	166,080	868,816
New York.....	254,822	2,394,832	Mittens, total.....	257,531	1,310,582
Wisconsin.....	199,860	1,828,406	New York.....	10,731	45,961
Other States (Calif., Ind., Iowa, Pa.).....	49,811	435,226	Wisconsin.....	113,665	642,909
			Other States (Calif., Ill., Ind., Iowa, Mich., Minn., N. H., Pa.).....	133,135	621,712

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	9,995	7,653	9,167	9,769	9,095	8,965	9,607	10,191	10,859	11,064	11,360	11,426	10,780
1937.....	11,637	10,716	11,557	12,088	11,770	11,841	12,124	12,222	12,409	12,351	12,114	11,189	9,266
1929.....	9,203	8,297	8,877	8,873	8,928	8,973	9,050	9,269	9,571	9,675	9,740	9,825	9,561
California.....	204	206	198	208	199	207	195	197	205	215	206	213	199
Illinois.....	822	804	827	840	803	803	791	810	816	820	848	844	853
Iowa.....	179	94	120	158	180	197	201	154	218	225	214	203	189
New York.....	6,242	4,517	5,642	6,124	5,654	5,364	5,914	6,386	6,885	6,989	7,294	7,372	6,764
Oregon.....	23	22	22	22	23	23	24	24	24	24	24	24	24
Washington.....	58	58	60	55	55	56	58	58	59	59	61	59	59
Wisconsin.....	1,664	1,193	1,538	1,571	1,429	1,550	1,665	1,805	1,852	1,906	1,856	1,820	1,779

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	233
Reporting expenditures for plant and equipment.....	116
Value of products:	
Total for the industry.....	\$26,830,856
Reporting expenditures for plant and equipment.....	20,179,471
Expenditures for plant and equipment:	
Total for the industry.....	161,900
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	30,349
Expenditures for new machinery and operating equipment.....	116,944
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	9,640
Expenditures unclassified.....	4,967

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$5,078,191	\$5,463,146
Finished products.....	2,218,461	2,028,145
Materials, supplies, etc.....	2,859,730	3,435,001
End of year, total.....	6,057,669	6,350,992
Finished products.....	2,386,761	2,616,855
Materials, supplies, etc.....	3,670,908	3,734,137
Value of products for the industry, total.....	26,830,856	30,718,238
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	22,828,771	25,817,611
Value for establishments not reporting inventories.....	4,002,085	4,900,627

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments.....	233	257
Number of establishments reporting power equipment.....	229	243
Prime movers, aggregate:		
Number.....	4	12
Horsepower.....	791	1,347
Prime movers, driving generators, total—		
Number.....	3	112
Horsepower.....	311	1,347
Steam engines—		
Number.....	1	15
Horsepower.....	50	1,815
Steam turbines—		
Number.....		11
Horsepower.....		185
Diesel and semi-Diesel engines—		
Number.....		14
Horsepower.....		147
Other internal-combustion engines <sup>2</sup> —		
Number.....	1	12
Horsepower.....	247	1,400
Prime movers not driving generators, steam engines—		
Number.....	1	( <sup>4</sup> )
Horsepower.....	480	
Generators, kilowatt rating, total.....	245	415
Generators, driven by—		
Steam engines, kilowatt rating.....	30	( <sup>4</sup> )
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel, kilowatt rating.....	15	
Hydroturbines and water wheels, kilowatt rating.....	200	
Electric motors, total:		
Number.....	2,482	1,534
Horsepower.....	2,643	2,411
Driven by purchased energy:		
Number.....	2,460	1,484
Horsepower.....	2,500	2,161
Driven by energy generated in establishments reporting:		
Number.....	22	50
Horsepower.....	143	260
Electric energy (kilowatt-hours):		
Generated in plant.....	115,375	( <sup>4</sup> )
Purchased.....	2,630,560	2,152,717

<sup>1</sup> Includes data for prime movers not driving generators. <sup>2</sup> Gas, gasoline, etc. <sup>3</sup> Not called for on schedule. <sup>4</sup> Data not available.

# SUITCASES, BRIEF CASES, BAGS, TRUNKS, AND OTHER LUGGAGE

A preliminary report for this industry was issued November 15, 1940]

**Description of the industry.**—The establishments classified in this industry are engaged primarily in the manufacture of trunks, suitcases, brief cases, sample cases, traveling bags, satchels, Boston bags, hat boxes, radio cases, and related products, regardless of the materials from which they are made. No detailed production data were collected for years prior to 1935.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1899.....	329	8,326	\$7,918,929	\$19,214,722	\$36,591,482	\$17,376,760	2,996
1937.....	277	8,708	8,458,472	20,534,275	38,719,941	18,185,666	(5)
1935.....	307	6,654	6,335,937	14,931,518	28,248,187	13,316,669	(5)
1933.....	270	5,117	3,748,720	9,328,084	17,367,982	8,039,898	(5)
1931.....	371	6,198	6,348,130	13,232,015	26,714,702	13,482,687	(5)
1929.....	467	11,359	13,758,761	31,693,935	63,968,929	32,274,994	3,285
1927.....	495	10,345	13,084,687	29,128,235	59,958,681	30,830,446	3,390
1925.....	475	10,349	13,228,866	31,381,851	61,223,867	29,842,016	3,303
1923.....	505	11,441	13,520,094	32,836,895	63,023,072	30,185,177	(5)
1921.....	504	8,712	10,260,364	23,832,610	46,548,977	22,666,367	(5)
1919.....	597	11,470	12,463,767	33,222,432	63,932,266	30,709,834	4,614
1914.....	561	9,911	5,540,157	13,625,457	26,471,527	12,846,070	5,391
1909.....	524	11,122	5,537,329	14,629,065	28,027,064	13,398,899	(5)
1904.....	373	9,091	4,139,034	9,107,785	18,643,580	9,535,795	4,224
1899.....	312	6,984	2,777,016	6,954,718	12,428,646	6,473,928	(5)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	Indiana	Massachusetts	Michigan	Missouri	New Jersey
Number of establishments <sup>1</sup> .....	329	23	45	6	18	7	15	22
Proprietors and firm members.....	233	25	33	6	10	4	8	9
Persons reported by manufacturing establishments, total <sup>2</sup> .....	9,924	291	1,414	95	669	337	710	1,228
Salaried officers of corporations <sup>3</sup> .....	349	9	61	-----	22	8	12	37
Manufacturing:								
Salaried employees <sup>4</sup> .....	559	27	62	7	33	31	31	59
Wage earners (average for the year) <sup>5</sup> .....	8,326	241	1,152	78	584	269	639	1,056
Distribution.....	688	14	139	10	30	29	28	75
Construction.....	1	-----	-----	-----	-----	-----	-----	1
Other.....	1	-----	-----	-----	-----	-----	-----	-----
Salaries and wages, total <sup>6</sup> .....	\$11,555,796	\$322,864	\$1,765,523	\$97,174	\$622,358	\$442,946	\$710,568	\$1,527,686
Salaried officers <sup>1</sup> .....	1,462,602	23,482	256,948	-----	89,718	38,949	49,055	192,425
Manufacturing:								
Salaries <sup>2</sup> .....	928,334	47,165	101,510	9,596	41,947	66,062	40,803	113,588
Wages.....	7,918,929	235,674	1,177,259	74,750	437,729	258,940	588,035	1,063,724
Distribution.....	1,255,113	16,543	229,806	12,828	52,964	78,995	32,675	157,261
Construction.....	688	-----	-----	-----	-----	-----	-----	688
Other.....	130	-----	-----	-----	-----	-----	-----	-----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	19,214,722	580,426	3,026,243	215,418	1,125,718	684,358	1,173,811	2,652,583
Materials, supplies, and containers.....	18,914,012	575,260	2,978,120	213,822	1,113,611	672,921	1,156,201	2,599,853
Fuel.....	91,012	399	9,281	681	2,814	5,404	6,707	20,599
Purchased electric energy.....	140,433	4,749	22,877	915	8,148	6,033	10,350	18,752
Contract work.....	69,265	18	15,965	-----	1,145	-----	553	13,379
Value of products.....	36,591,482	1,128,240	5,508,811	360,781	2,091,782	1,377,528	2,167,729	4,845,054
Value added by manufacture <sup>4</sup> .....	17,376,760	547,814	2,482,568	145,363	966,064	693,170	993,918	2,192,471

See footnotes at end of table.

SUITCASES, BRIEF CASES, BAGS, TRUNKS, AND OTHER LUGGAGE

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	New York	Ohio	Pennsylvania	Texas	Washington	Wisconsin	Other States <sup>1</sup>
Number of establishments <sup>1</sup>	112	11	30	4	5	12	19
Proprietors and firm members	81	7	28	2	2	5	13
Persons reported by manufacturing establishments, total <sup>2</sup>	1,690	261	813	51	78	550	1,736
Salaried officers of corporations <sup>3</sup>	116	9	25	4	4	17	25
Manufacturing:							
Salaried employees <sup>3</sup>	79	14	57	2	7	69	81
Wage earners (average for the year) <sup>3</sup>	1,377	217	685	37	60	427	1,503
Distribution	118	21	46	8	7	37	126
Construction							
Other							1
Salaries and wages, total <sup>4</sup>	\$2,015,479	\$348,283	\$1,039,346	\$48,688	\$109,019	\$799,922	\$1,705,940
Salaried officers <sup>1</sup>	343,459	49,040	127,500	10,050	28,053	103,873	140,050
Manufacturing:							
Salaries <sup>1</sup>	103,371	28,103	94,339	2,500	11,533	134,280	133,537
Wages	1,378,468	233,818	737,375	27,429	64,421	473,954	1,167,363
Distribution	190,191	37,322	80,132	8,709	5,012	87,815	264,860
Construction							
Other							130
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	3,756,142	438,946	1,929,757	65,891	166,168	990,886	2,408,375
Materials, supplies, and containers	3,681,947	430,407	1,912,633	65,002	163,153	976,332	2,374,750
Fuel	3,085	4,724	4,470	237	866	10,053	21,692
Purchased electric energy	33,845	3,815	11,714	652	2,149	4,501	11,933
Contract work	37,265		940				
Value of products	6,865,228	986,856	3,471,210	115,267	339,128	2,280,126	5,053,742
Value added by manufacture <sup>5</sup>	3,109,086	547,910	1,541,453	49,376	172,960	1,289,240	2,645,367

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Colorado, 4 establishments; District of Columbia, 1; Iowa, 1; Kentucky, 2; Louisiana, 1; Maine, 1; Maryland, 3; Minnesota, 1; Oregon, 2; Rhode Island, 2; Virginia, 1.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Suitcases, Brief Cases, Bags, Trunks, and Other Luggage industry, all products, total value	\$36,591,482	\$38,719,941
Suitcases, brief cases, bags, trunks, and other luggage made in this industry	33,238,854	37,149,628
Other products (not classified in this industry)	3,224,466	1,435,800
Receipts for contract and repair work	128,162	134,513
Suitcases, brief cases, bags, trunks, and other luggage, aggregate value	34,065,322	38,283,778
Suitcases, brief cases, bags, trunks, and other luggage made in this industry	33,238,854	37,149,628
Suitcases, brief cases, bags, trunks, and other luggage made as secondary products in other industries	826,468	1,134,150

<sup>1</sup> Women's pocketbooks, handbags, and purses; billfolds and wallets, coin purses, cigar and cigarette cases, tobacco pouches, etc.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939			1937
	Produced in the industry	Produced in other industries	Total	
Total value	\$33,238,854	\$826,468	\$34,065,322	\$38,283,778
Suitcases and traveling bags:				
Leather—				
Number	1,579,080	17,734	1,596,814	1,955,260
Value	\$8,807,253	\$103,389	\$8,910,642	\$11,123,345

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

PRODUCT	1939			1937
	Produced in the industry	Produced in other industries	Total	
Suitcases and traveling bags—Continued.				
Other than leather—				
Number	5,139,602	38,888	5,178,490	4,791,955
Value	\$12,833,485	\$59,805	\$12,893,290	\$12,270,320
Satchels, Boston bags, hat boxes, etc.:				
Number and value reported—				
Leather—				
Number	298,233	71,199	369,432	702,069
Value	\$1,025,175	\$222,799	\$1,247,974	\$1,079,959
Other than leather—				
Number	2,136,268	34,019	2,170,287	1,049,549
Value	\$1,452,671	\$143,115	\$1,595,786	\$1,073,256
Number not reported, value				\$284,627
Trunks:				
Number	646,651	1,841	648,492	737,207
Value	\$4,040,330	\$4,949	\$4,045,279	\$5,031,538
Brief cases:				
Number	1,311,002	109,612	1,420,614	1,812,301
Value	\$3,007,629	\$247,852	\$3,255,481	\$3,502,269
Sample cases:				
Number	403,342	8,551	411,893	
Value	\$1,497,743	\$89,466	\$1,537,209	
Radio cases:				
Number	324,154	1,697	325,851	
Value	\$574,568	\$5,093	\$579,661	
Other luggage and that not reported separately, value				\$3,868,464

<sup>1</sup> Not called for on schedule.

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939	8,326	6,979	7,522	7,809	8,026	8,207	8,408	8,576	8,694	8,687	9,144	9,201	8,661
1937	8,708	7,746	8,408	8,713	8,788	8,485	9,161	9,269	9,300	9,408	9,303	8,668	7,250
1929	11,350	9,973	10,662	11,168	11,466	11,560	11,780	11,705	11,797	11,973	11,911	11,499	10,820
California	241	220	225	234	234	234	244	244	245	242	258	259	250
Colorado	231	199	233	230	224	230	233	225	231	235	235	239	261
Illinois	1,152	1,008	1,038	1,049	1,065	1,109	1,103	1,176	1,206	1,295	1,245	1,317	1,215
Indiana	78	69	73	80	81	80	80	79	77	82	78	79	80
Maryland	72	56	54	58	61	68	75	77	89	92	92	83	69
Massachusetts	584	316	384	381	421	487	496	655	710	782	876	817	683
Michigan	269	232	301	304	306	227	275	257	283	276	290	222	273
Missouri	698	638	588	645	635	613	657	617	667	629	649	725	606
New Jersey	1,056	892	988	1,059	1,095	1,009	1,048	1,045	1,052	1,092	1,134	1,134	1,128
New York	1,377	1,135	1,250	1,329	1,383	1,480	1,467	1,408	1,419	1,205	1,491	1,517	1,437
Ohio	217	201	208	208	205	205	213	224	216	224	226	240	231
Pennsylvania	685	420	560	587	630	676	729	776	766	760	789	821	702
Texas	37	40	40	39	37	36	37	36	36	34	35	36	35
Washington	60	44	44	44	63	70	59	59	48	66	85	74	63
Wisconsin	427	415	411	412	401	428	408	438	467	438	439	432	439

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	329
Reporting expenditures for plant and equipment	155
Value of products:	
Total for the industry	\$36,591,482
Reporting expenditures for plant and equipment	26,891,229
Expenditures for plant and equipment:	
Total for the industry	216,128
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	17,808
Expenditures for new machinery and operating equipment	172,780
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	22,160
Expenditures unclassified	3,380

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total	\$5,919,313	\$5,354,869
Finished products	2,531,257	1,790,780
Materials, supplies, etc.	3,388,056	3,564,089
End of year, total	7,090,368	6,163,738
Finished products	2,974,767	2,380,376
Materials, supplies, etc.	4,115,601	3,783,362
Value of products for the industry, total	36,591,482	38,719,941
Value of establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	36,137,708	34,048,646
Value for establishments not reporting inventories	453,774	4,671,295

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments	329	467
Number of establishments reporting power equipment	327	441
Prime movers, aggregate:		
Number	15	30
Horsepower	2,996	3,285
Prime movers, driving generators, total—		
Number	15	130
Horsepower	2,996	13,285
Steam engines—		
Number	12	124
Horsepower	2,696	3,135
Steam turbines—		
Number	1	11
Horsepower	200	130
Diesel and semi-Diesel engines—		
Number		14
Horsepower		170
Other internal-combustion engines <sup>1</sup> —		
Number	1	
Horsepower	50	
Hydroturbines and water wheels—		
Number	1	11
Horsepower	50	150
Prime movers, driving generators, ordinarily idle (included above), horsepower	340	( <sup>3</sup> )
Generators, kilowatt rating, total	2,175	1,697
Generators, driven by—		
Steam engines, kilowatt rating	1,960	
Steam turbines, kilowatt rating	150	( <sup>3</sup> )
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel, kilowatt rating	30	
Hydroturbines and water wheels, kilowatt rating	35	
Generators, ordinarily idle (included above), kilowatt rating	240	( <sup>4</sup> )
Electric motors, total:		
Number	4,258	3,167
Horsepower	7,659	8,816
Driven by purchased energy—		
Number	3,440	2,638
Horsepower	5,326	6,935
Driven by energy generated in establishments reporting—		
Number	818	529
Horsepower	2,333	1,881
Electric energy (kilowatt-hours):		
Generated in plant	598,428	( <sup>4</sup> )
Purchased	4,055,063	5,450,605

<sup>1</sup> Includes data for prime movers not driving generators.<sup>2</sup> Gas, gasoline, etc. <sup>3</sup> Not called for on schedule. <sup>4</sup> Data not available.

## SADDLERY, HARNESS, AND WHIPS

[A preliminary report for this industry was issued November 2, 1940]

**Description of the industry.**—The principal products of the establishments classified in this industry are saddles and parts, harness and parts, halters, bridles, horse boots, turf goods, feed bags, whips and crops, whipstocks, whip handles, whiplashes, etc.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1939**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horse-power of prime movers
1899	156	2,755	\$2,388,239	\$6,876,684	\$12,118,430	\$5,241,746	1,269
1937	139	3,049	2,698,644	8,110,498	13,416,963	5,306,465	(5)
1935	157	3,234	2,918,738	7,738,798	13,357,034	5,018,230	(5)
1933	147	2,515	2,053,726	6,145,912	10,364,157	4,218,215	(5)
1931	185	1,974	1,926,404	5,268,042	9,339,203	4,071,161	(5)
1929	268	3,396	3,761,442	13,914,427	23,562,774	9,048,317	817
1927	271	4,113	4,630,763	16,701,936	27,666,547	10,064,811	933
1925	267	4,673	5,132,566	18,907,960	30,391,594	11,483,634	1,171
1923	434	6,817	7,096,785	24,762,113	42,855,445	18,093,332	(5)
1921	607	4,781	5,236,595	18,092,615	31,185,710	13,093,104	(5)
1919	1,849	11,128	11,431,296	53,539,549	86,699,295	33,150,746	1,854
1914	2,591	14,132	8,555,060	34,427,385	56,720,522	22,293,137	4,798
1909	1,404	16,178	8,775,011	34,762,680	58,173,245	23,410,665	(5)
1904	1,134	16,586	8,237,514	25,027,357	45,202,170	20,174,813	5,329
1899	933	15,651	6,732,638	21,048,898	36,437,034	15,388,139	3,813

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Colorado	Illinois	Indiana	Iowa	Kentucky	Michigan	Minnesota
Number of establishments <sup>1</sup>	156	10	6	10	3	6	9	3	6
Proprietors and firm members	100	9	2	5	3	1	5	2	4
Persons reported by manufacturing establishments, total <sup>2</sup>	3,351	140	106	219	26	103	222	15	48
Salaried officers of corporations <sup>3</sup>	111	3	9	10	3	9	7	—	—
Manufacturing:									
Salaried employees <sup>2</sup>	255	4	11	14	3	10	19	3	3
Wage earners (average for the year) <sup>3</sup>	2,755	127	77	171	19	76	172	10	44
Distribution	221	6	8	23	1	8	24	2	1
Construction	6	—	—	1	—	—	—	—	—
Other	3	—	1	—	—	—	—	—	—
Salaries and wages, total <sup>4</sup>	\$3,415,580	\$197,240	\$150,597	\$228,262	\$31,552	\$120,225	\$218,819	\$16,023	\$55,050
Salaried officers <sup>2</sup>	357,601	6,200	27,714	27,480	10,125	17,278	26,700	—	—
Manufacturing:									
Salaries <sup>4</sup>	348,457	8,225	18,358	18,165	3,858	13,610	24,205	3,700	6,131
Wages	2,388,239	176,350	93,258	151,652	16,148	77,596	134,403	12,805	48,467
Distribution	314,374	6,465	10,227	30,365	1,421	11,732	33,421	3,058	452
Construction	4,756	—	—	600	—	—	—	—	—
Other	2,153	—	1,040	—	—	—	—	—	—
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	6,876,684	248,220	150,692	480,652	48,108	239,105	408,776	36,752	200,480
Materials, supplies, and containers	6,756,855	238,835	148,013	473,819	46,358	233,224	393,050	35,960	196,298
Fuel	52,508	246	956	4,572	942	3,325	2,121	381	1,359
Purchased electric energy	52,183	3,681	1,723	2,261	808	2,556	4,155	402	2,829
Contract work	15,138	5,458	—	—	—	—	0,460	—	—
Value of products	12,118,430	488,723	359,073	786,704	103,183	392,893	726,369	66,890	300,366
Value added by manufacture <sup>4</sup>	5,241,746	240,503	208,381	306,052	55,075	153,788	317,593	30,138	99,820

See footnotes at end of table.

## CENSUS OF MANUFACTURES: 1939

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	Missouri	Montana	Nebraska	New York	Oregon	Pennsylvania	Tennessee	Texas	West Virginia	Other States <sup>1</sup>
Number of establishments <sup>1</sup> .....	8	3	4	6	5	6	9	13	3	46
Proprietors and firm members.....	3	2	1	7	4	5	4	9	1	33
Persons reported by manufacturing establishments, total <sup>2</sup> .....	112	12	25	109	57	73	367	367	47	1,302
Salaried officers of corporations <sup>2</sup> .....	2	4	4	5	3	2	9	6	4	31
Manufacturing:										
Salaried employees <sup>2</sup> .....	8	1	10	10	7	12	35	42	5	68
Wage earners (average for the year) <sup>3</sup> .....	102	6	18	79	47	47	299	278	36	1,146
Distribution.....		1	3	15		12	24	41		52
Construction.....									2	5
Other.....										
Salaries and wages, total <sup>2</sup> .....	\$96,608	\$13,163	\$27,448	\$162,743	\$69,860	\$82,593	\$327,494	\$340,068	\$37,018	\$1,237,217
Salaried officers <sup>2</sup> .....	3,500	5,057	5,763	32,520	8,397	7,630	31,220	14,622	3,450	129,945
Manufacturing:										
Salaries <sup>2</sup> .....	10,126	910	16,365	16,365	10,128	13,431	36,920	48,982	6,665	108,579
Wages.....	82,982	6,416	19,396	93,316	51,335	47,285	226,173	211,851	25,790	912,956
Distribution.....		780	2,289	20,542		14,247	33,181	64,613		81,581
Construction.....										4,156
Other.....									1,113	
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	165,925	23,664	34,044	242,306	121,372	128,634	746,761	806,807	34,828	2,759,552
Materials, supplies, and containers.....	162,250	23,146	33,124	239,765	118,739	126,722	738,584	801,139	33,191	2,714,629
Fuel.....	1,743	174	531	948	918	1,228	2,360	882	1,054	28,768
Purchased electric energy.....	1,932	344	389	1,593	1,715	622	5,817	4,786	583	15,987
Contract work.....						62				168
Value of products.....	311,161	45,496	76,290	445,575	230,269	272,819	1,274,876	1,341,309	87,113	4,809,381
Value added by manufacture <sup>4</sup> .....	145,236	21,832	42,246	203,269	108,897	144,185	528,115	534,502	52,285	2,049,829

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>5</sup> Alabama, 1 establishment; Arizona, 1; Connecticut, 3; Georgia, 8; Kansas, 1; Louisiana, 1; Maryland, 1; Massachusetts, 3; New Jersey, 1; New Mexico, 1; North Carolina, 2; Ohio, 9; Oklahoma, 2; South Dakota, 1; Utah, 2; Virginia, 1; Washington, 2; Wisconsin, 4; Wyoming, 2.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Saddlery, Harness, and Whips industry, all products, total value.....	\$12,118,430	\$13,416,963
Saddlery, harness, harness parts, whips, etc., made in this industry.....	10,423,740	11,743,455
Other products (not classified in this industry).....	<sup>1</sup> 1,625,249	1,549,947
Receipts for contract and repair work.....	69,441	123,561
Saddlery, harness, and whips, aggregate value.....	10,603,465	11,923,272
Saddlery, harness, and whips made in this industry.....	10,423,740	11,743,455
Saddlery, harness, and whips made as secondary products in other industries.....	179,725	179,817

<sup>1</sup> Luggage, women's pocketbooks and handbags, small leather articles, and miscellaneous leather goods not elsewhere classified.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939			1937
	Produced in the industry	Produced in other industries	Total	
Total value.....	\$10,423,740	\$179,725	\$10,603,465	\$11,923,272
Harness and harness parts (including collars), value.....	7,431,193	171,675	7,602,868	<sup>1</sup> 9,615,053
Saddles: English, Western, or stock, and other types, total value.....	\$1,720,559	\$1,350	\$1,721,909	\$1,206,910
Number and value reported:				
Number.....	58,726		58,726	35,767
Value.....	\$1,720,559		\$1,720,559	\$1,006,695
Number not reported, value:				
Other saddlery and harness products, including bridles, crops, whips, fly nets, halters, horse-boots, feed bags, etc.....	1,271,988	6,700	1,278,688	<sup>1</sup> 1,101,309

<sup>1</sup> Revised.

SADDLERY, HARNESS, AND WHIPS

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	2,755	2,800	2,901	2,950	2,944	2,681	2,513	2,450	2,540	2,554	2,931	2,873	2,923
1937.....	3,049	3,379	3,396	3,450	3,274	3,092	2,929	2,880	2,894	2,922	2,922	2,780	2,719
1929.....	3,396	3,685	3,714	3,645	3,537	3,334	3,186	3,092	3,105	3,255	3,341	3,393	3,456
California.....	127	109	119	124	154	147	110	117	117	98	144	147	143
Colorado.....	77	70	70	72	75	75	77	78	77	78	82	83	85
Connecticut.....	15	14	14	15	16	17	16	15	15	15	16	15	13
Georgia.....	471	490	515	512	513	488	496	406	454	421	478	467	475
Illinois.....	171	149	169	163	182	162	164	157	165	162	185	200	209
Indiana.....	19	18	23	23	18	17	16	15	15	16	22	23	22
Iowa.....	76	103	117	120	94	73	55	51	53	52	53	63	74
Kentucky.....	172	179	192	177	181	155	180	124	128	157	215	214	211
Massachusetts.....	28	29	29	29	23	30	30	27	28	26	26	27	27
Michigan.....	10	7	7	8	12	12	11	8	12	12	10	10	10
Minnesota.....	44	42	46	45	45	40	39	37	38	40	50	49	53
Missouri.....	102	104	112	118	112	100	97	92	91	92	100	102	102
Montana.....	6	6	5	6	6	6	6	6	6	6	6	5	5
Nebraska.....	18	16	16	16	22	17	18	18	18	18	17	16	19
New York.....	79	78	76	79	79	80	82	80	79	78	81	80	78
Ohio.....	374	342	366	373	366	394	383	386	370	354	359	374	388
Oregon.....	47	35	41	41	49	53	48	53	50	51	48	48	51
Pennsylvania.....	47	41	41	50	56	53	54	47	45	45	44	44	49
Tennessee.....	299	331	326	357	301	257	242	219	232	273	339	352	359
Texas.....	278	288	270	275	264	253	260	281	295	305	291	286	270
West Virginia.....	36	35	36	35	36	36	36	36	36	36	37	37	37
Wisconsin.....	64	66	55	68	81	60	67	51	64	61	76	53	60

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	156
Reporting expenditures for plant and equipment.....	45
Value of products:	
Total for the industry.....	\$12, 118, 430
Reporting expenditures for plant and equipment.....	5, 642, 728
Expenditures for plant and equipment:	
Total for the industry.....	57, 227
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	26, 174
Expenditures for new machinery and operating equipment.....	23, 820
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	7, 233

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$4, 398, 442	\$2, 733, 228
Finished products.....	2, 302, 644	1, 528, 980
Materials, supplies, etc.....	2, 095, 798	1, 204, 248
End of year, total.....	4, 009, 890	3, 214, 617
Finished products.....	2, 238, 216	1, 657, 089
Materials, supplies, etc.....	1, 771, 674	1, 557, 528
Value of products for the industry, total.....	12, 118, 430	13, 416, 963
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	11, 757, 195	10, 463, 695
Value for establishments not reporting inventories.....	361, 235	2, 953, 268

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments.....	156	268
Number of establishments reporting power equipment.....	154	251
Prime movers, aggregate:		
Number.....	23	20
Horsepower.....	1, 269	817
Prime movers, driving generators, total—		
Number.....	10	1 20
Horsepower.....	673	1 817

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929—Continued

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators—Continued.		
Steam engines—		
Number.....	9	1 12
Horsepower.....	623	1 573
Steam turbines—		
Number.....		1 1
Horsepower.....		1 12
Diesel and semi-Diesel engines—		
Number.....		1 6
Horsepower.....		1 192
Other internal-combustion engines <sup>1</sup> —		
Number.....		
Horsepower.....		
Hydroturbines and water wheels—		
Number.....	1	1 1
Horsepower.....	50	1 40
Prime movers not driving generators, total—		
Number.....	13	
Horsepower.....	596	
Steam engines—		
Number.....	9	
Horsepower.....	500	
Steam turbines—		
Number.....	10	( <sup>2</sup> )
Horsepower.....	1	
Diesel and semi-Diesel engines—		
Number.....	2	
Horsepower.....	80	
Other internal-combustion engines <sup>1</sup> —		
Number.....	1	
Horsepower.....	6	
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	61	( <sup>2</sup> )
Generators, kilowatt rating, total.....	535	348
Generators, driven by—		
Steam engines, kilowatt rating.....	505	( <sup>2</sup> )
Hydroturbines and water wheels, kilowatt rating.....	30	
Electric motors, total:		
Number.....	1, 111	1, 020
Horsepower.....	4, 361	4, 347
Driven by purchased energy—		
Number.....	948	960
Horsepower.....	3, 073	3, 963
Driven by energy generated in establishments reporting—		
Number.....	163	70
Horsepower.....	1, 288	384
Electric energy (kilowatt-hours):		
Generated in plant.....	502, 756	( <sup>3</sup> )
Purchased.....	1, 762, 211	2, 305, 853

<sup>1</sup> Includes data for prime movers not driving generators. <sup>2</sup> Gas, gasoline, etc. <sup>3</sup> Not called for on schedule. <sup>4</sup> Data not available.

# WOMEN'S POCKETBOOKS, HANDBAGS, AND PURSES

## SMALL LEATHER GOODS

### LEATHER GOODS NOT ELSEWHERE CLASSIFIED

[A preliminary report for these industries was issued November 28, 1940]

**Description of the industries.**—These industries cover establishments engaged primarily in the manufacture of pocketbooks, handbags, and purse-handbags (women's), billfolds and wallets, key cases, coin purses, cigar and cigarette cases, tobacco pouches, watch straps, handles, corners, and straps for luggage, etc., whether made of leather or materials other than leather.

**Statistics for earlier years.**—At the census for 1935, establishments in these industries were classified in two industries, "Pocketbooks, purses, and cardcases" and "Leather goods not elsewhere classified"; therefore no separate statistics for the three industries for 1939 and 1937 can be given for 1935 and prior years.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horsepower of prime movers
<b>WOMEN'S POCKETBOOKS, HANDBAGS, AND PURSES; SMALL LEATHER GOODS; LEATHER GOODS NOT ELSEWHERE CLASSIFIED, TOTAL</b>							
1939	564	20,125	\$16,076,777	\$44,490,475	\$79,052,775	\$34,562,300	150
1937	478	17,448	14,037,324	37,536,356	68,243,223	30,706,867	(*)
<b>WOMEN'S POCKETBOOKS, HANDBAGS, AND PURSES INDUSTRY</b>							
1939	286	14,048	11,238,826	32,877,638	55,806,860	22,929,222	(*)
1937	203	11,306	9,054,250	24,755,732	43,445,540	18,689,808	(*)
<b>SMALL LEATHER GOODS INDUSTRY</b>							
1939	118	3,615	2,750,588	7,371,951	14,334,433	6,962,482	150
1937	68	2,443	1,850,328	5,341,680	10,217,004	4,875,324	(*)
<b>LEATHER GOODS NOT ELSEWHERE CLASSIFIED INDUSTRY</b>							
1939	160	2,462	2,087,363	4,240,886	8,911,482	4,670,596	(*)
1937	207	3,699	3,132,746	7,438,944	14,580,679	7,141,735	(*)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>4</sup> Not called for on schedule.

TABLE 2.—WOMEN'S POCKETBOOKS, HANDBAGS, AND PURSES—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Connecticut	Illinois	Massachusetts	New Jersey	New York	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	286	5	9	6	14	34	191	18	9
Proprietors and firm members.....	180	5	3	3	4	14	142	6	3
Persons reported by manufacturing establishments, total <sup>3</sup> .....	15,700	34	1,386	338	1,509	2,413	7,564	2,147	311
Salaried officers of corporations <sup>4</sup> .....	320		16	11	20	38	206	17	12
Manufacturing:									
Salaried employees <sup>5</sup> .....	668	1	67	3	55	68	349	101	24
Wage earners (average for the year) <sup>4</sup> .....	14,048	28	1,262	303	1,392	2,272	6,564	1,983	246
Distribution.....	651	5	35	21	42	35	438	46	29
Construction.....	1						1		
Other.....	12		6				6		
Salaries and wages, total <sup>3</sup> .....	\$14,777,416	\$27,110	\$1,092,967	\$339,633	\$1,430,003	\$1,919,166	\$7,085,847	\$1,730,519	\$252,171
Salaried officers <sup>3</sup> .....	1,380,023		94,190	28,289	121,049	156,475	879,698	79,615	20,707
Manufacturing:									
Salaries <sup>3</sup> .....	1,178,102	333	101,565	4,570	126,837	112,420	644,422	160,323	27,632
Wages.....	11,238,826	22,995	820,227	274,906	1,091,622	1,592,155	5,818,379	1,436,994	181,548
Distribution.....	965,542	3,782	70,977	31,868	90,495	58,116	634,433	53,587	22,284
Construction.....	3,655						3,655		
Other.....	11,268		6,008				5,260		
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	32,877,638	45,251	2,034,789	488,700	2,667,649	3,998,129	19,837,790	3,493,035	312,295
Materials, supplies, and containers.....	30,972,609	44,850	2,015,801	482,581	2,621,624	3,957,838	18,069,744	3,470,824	309,347
Fuel.....	15,358	83	2,258		2,211	2,729	5,737	2,340	
Purchased electric energy.....	162,716	318	8,403	6,119	16,541	20,183	92,243	16,061	2,848
Contract work.....	1,726,955		8,327		27,273	17,379	1,670,066	3,810	100
Value of products.....	55,806,860	95,181	3,505,074	1,010,648	4,894,072	6,961,751	32,401,424	6,249,525	689,185
Value added by manufacture <sup>6</sup> .....	22,929,222	49,930	1,470,285	521,948	2,226,423	2,963,622	12,563,634	2,756,490	376,890

<sup>1</sup> Florida, 1 establishment; Maryland, 2; Missouri, 1; Rhode Island, 2; Virginia, 1; Washington, 1; Wisconsin, 1.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—SMALL LEATHER GOODS—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	Massachusetts	Missouri	New Jersey	New York	Ohio	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	118	5	5	9	5	9	57	7	7	14
Proprietors and firm members.....	87	13	3	4	2	1	44	3	7	10
Persons reported by manufacturing establishments, total <sup>3</sup> .....	4,350	57	81	738	374	750	938	212	441	760
Salaried officers of corporations <sup>4</sup> .....	106	2	3	10	6	13	46	5	4	17
Manufacturing:										
Salaried employees <sup>5</sup> .....	264	3	8	31	38	40	44	18	47	35
Wage earners (average for the year) <sup>4</sup> .....	3,615	45	67	605	297	684	784	154	357	623
Distribution.....	365	7	3	92	33	13	64	35	33	85
Construction.....										
Other.....										
Salaries and wages, total <sup>3</sup> .....	\$4,460,959	\$54,342	\$70,285	\$858,106	\$419,023	\$568,946	\$1,024,214	\$256,547	\$411,683	\$788,813
Salaried officers <sup>3</sup> .....	567,822	4,200	15,735	103,829	28,265	56,965	221,948	18,810	29,000	89,070
Manufacturing:										
Salaries <sup>3</sup> .....	370,886	2,949	9,107	50,901	45,573	59,040	65,315	26,939	69,314	41,748
Wages.....	2,750,588	42,477	51,267	452,604	220,150	425,406	635,680	145,780	263,896	513,328
Distribution.....	771,663	4,716	3,176	250,772	125,035	27,535	101,271	65,018	49,473	144,667
Construction.....										
Other.....										
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	7,371,951	113,040	138,225	1,007,874	483,625	1,321,251	2,538,923	301,481	405,908	1,061,624
Materials, supplies, and containers.....	7,024,611	112,501	137,112	992,269	476,056	1,312,578	2,245,844	297,581	400,273	1,050,397
Fuel.....	14,004	125	35	1,503	1,021	97	2,627	940	4,045	3,611
Purchased electric energy.....	46,625	414	1,078	7,814	4,807	8,576	12,347	2,383	1,590	7,616
Contract work.....	286,711			6,288	1,741		278,105	577		
Value of products.....	14,334,433	208,965	297,406	2,505,005	1,114,694	2,105,669	4,228,987	662,343	898,956	2,312,408
Value added by manufacture <sup>6</sup> .....	6,962,482	95,925	159,181	1,497,131	631,069	784,418	1,690,064	360,862	493,048	1,250,784

<sup>1</sup> Connecticut, 3 establishments; Iowa, 1; Maine, 1; Michigan, 1; Minnesota, 1; Texas, 2; Wisconsin, 5.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less costs of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

## CENSUS OF MANUFACTURES: 1939

TABLE 4.—LEATHER GOODS NOT ELSEWHERE CLASSIFIED—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	Indiana	Maryland	Massachusetts	Missouri	New Jersey	New York	Ohio	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	160	5	12	4	4	19	3	13	71	4	9	16
Proprietors and firm members.....	145	4	13	5	3	13	2	7	73	3	9	13
Persons reported by manufacturing establishments, total <sup>3</sup> .....	2,863	80	210	40	37	407	10	655	1,022	90	138	173
Salaried officers of corporations <sup>4</sup> .....	94	1	7	-----	2	14	1	17	42	1	4	5
Manufacturing:												
Salaried employees <sup>4</sup> .....	137	6	19	3	4	18	-----	15	50	4	7	11
Wage earners (average for the year) <sup>4</sup> .....	2,462	70	168	37	31	328	9	608	856	85	118	151
Distribution.....	167	3	15	-----	-----	47	-----	15	74	-----	9	4
Construction.....	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
Other.....	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2
Salaries and wages, total <sup>4</sup> .....	\$2,938,855	\$78,731	\$254,368	\$23,007	\$27,647	\$404,418	\$7,917	\$682,526	\$1,099,869	\$71,064	\$119,875	\$169,433
Salaried officers <sup>4</sup> .....	417,262	3,640	49,402	-----	1,514	57,982	1,953	72,619	193,602	1,200	14,470	20,880
Manufacturing:												
Salaries <sup>4</sup> .....	200,587	8,697	29,022	3,033	4,727	20,629	-----	29,272	73,083	5,965	11,719	14,440
Wages.....	2,087,363	60,897	152,182	19,974	21,406	271,148	5,964	541,258	741,126	63,899	83,824	128,685
Distribution.....	228,275	5,497	21,422	-----	-----	54,659	-----	39,377	92,058	-----	9,862	6,400
Construction.....	2,340	-----	2,340	-----	-----	-----	-----	-----	-----	-----	-----	-----
Other.....	3,028	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,028
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	4,240,886	80,007	381,159	50,689	25,530	414,046	10,656	663,637	1,896,888	91,500	285,996	340,778
Materials, supplies, and containers.....	4,120,208	78,453	375,603	49,448	24,368	399,903	10,266	647,023	1,826,602	90,644	282,744	334,654
Fuel.....	18,488	10	1,855	923	344	4,326	42	5,365	1,089	300	1,278	2,956
Purchased electric energy.....	49,216	1,044	3,311	318	318	8,946	348	10,249	18,984	556	1,974	3,168
Contract work.....	52,974	500	390	-----	-----	871	-----	1,000	50,213	-----	-----	-----
Value of products.....	8,911,482	191,080	790,190	103,246	83,809	1,039,195	21,640	1,633,437	3,759,885	208,237	608,821	571,942
Value added by manufacture <sup>5</sup> .....	4,670,596	111,073	409,031	52,557	58,279	625,149	10,984	969,800	1,862,997	116,737	222,825	231,164

<sup>1</sup> Arizona, 1 establishment; Colorado, 1; Connecticut, 3; Michigan, 3; New Hampshire, 1; Oregon, 2; Vermont, 1; Virginia, 2; Wisconsin, 2.<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 5.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
"Women's pocketbooks, handbags, and purses," "Small leather goods," and "Leather goods not elsewhere classified" industries, all products, total value.....	\$79,052,775	<sup>1</sup> \$68,243,223
Women's pocketbooks, handbags, and purses, small leather goods, and leather goods not elsewhere classified, made in these industries.....	76,903,949	64,067,372
Other products (not classified in these industries).....	<sup>2</sup> 910,350	3,377,521
Receipts for contract and repair work.....	1,238,476	798,330
Women's pocketbooks, handbags, and purses, small leather goods, and leather goods not elsewhere classified, aggregate value.....	78,926,630	67,216,659
Women's pocketbooks, handbags, and purses, small leather goods, and leather goods not elsewhere classified made in these industries.....	76,903,949	64,067,372
Women's pocketbooks, handbags, and purses, small leather goods, and leather goods not elsewhere classified made as secondary products in other industries.....	2,022,681	3,149,287

<sup>1</sup> Revised. Belts (for personal wear) which were included in this group for 1937 are included in the "Belts (apparel), regardless of material" industry for 1939.<sup>2</sup> Suitcases and traveling bags, satchels, Boston bags, sample cases, radio cases, belts (for personal wear), and suspenders.

TABLE 6.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939			1937
	Produced in the three industries	Produced in other industries	Total	
Total.....	\$76,903,949	\$2,022,681	\$78,926,630	<sup>1</sup> \$87,216,659
Women's pocketbooks, handbags, and purses, total value.....	\$55,275,882	\$392,676	\$55,668,558	\$43,417,243
Leather:				
Number.....	20,497,624	75,484	20,573,108	13,915,916
Value.....	\$27,718,809	\$137,489	\$27,856,298	\$22,638,413
Other than leather:				
Number.....	43,678,393	253,091	43,931,484	34,239,823
Value.....	\$27,397,939	\$255,187	\$27,653,126	\$19,597,490
Other products.....	\$159,134		\$159,134	<sup>2</sup> \$1,181,340
Small leather goods (including articles made of other materials), total value.....	\$13,348,199	\$616,118	\$13,964,317	\$9,317,547
Billfolds and wallets:				
Number.....	19,978,461	683,245	20,661,706	12,349,669
Value.....	\$8,016,799	\$452,761	\$8,469,560	\$5,468,626
Coin purses:				
Number.....	8,552,025	115,707	8,667,732	5,355,287
Value.....	\$1,075,695	\$35,789	\$1,111,484	\$576,977
Cigar and cigarette cases:				
Number.....	1,509,211	97,499	1,606,710	327,138
Value.....	\$424,597	\$43,166	\$467,763	\$219,606
Key cases:				
Number.....	10,542,219	337,274	10,879,493	6,145,403
Value.....	\$1,652,908	\$71,402	\$1,724,310	<sup>3</sup> \$1,312,481
Tobacco pouches:				
Number.....	1,123,917	50,900	1,173,917	( <sup>4</sup> )
Value.....	\$385,507	\$13,000	\$398,507	( <sup>4</sup> )
Other products, including items not reported separately.....	\$1,792,693		\$1,792,693	\$1,739,857
Leather goods not elsewhere classified, total value.....	\$8,279,868	\$1,013,887	\$9,293,755	<sup>1</sup> \$14,481,809
Watch straps.....	778,458	78,819	857,277	( <sup>4</sup> )
Dog furnishings.....	1,048,008	79,491	1,127,499	1,045,490
Handles, corners, straps, etc., for luggage (made for sale as such).....	1,644,880	22,044	1,666,924	2,068,186
Embossed and burnt leather.....	649,317	26,879	676,196	501,665
Other products, including items not reported separately.....	4,159,205	806,654	4,965,859	10,866,528

<sup>1</sup> Revised. Belts (for personal wear) which were included in this group for 1937 are included in the "Belts (apparel), regardless of material" industry for 1939.

<sup>2</sup> Includes value of a number of children's handbags and of a number of purse handbags for which the quantity was not reported.

<sup>3</sup> Revised.

<sup>4</sup> Not called for on schedule.

TABLE 7.—WOMEN'S POCKETBOOKS, HANDBAGS, AND PURSES—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	14,048	12,651	14,202	14,814	14,759	14,186	11,810	11,999	14,587	15,670	16,120	14,971	12,812
1937.....	11,306	10,369	11,385	11,960	11,855	11,227	9,701	9,757	11,757	12,560	13,018	11,945	10,141
California.....	28	32	28	31	28	27	24	20	30	32	30	29	23
Connecticut.....	1,262	948	1,238	1,355	1,443	1,466	1,246	1,115	1,272	1,422	1,445	1,240	957
Illinois.....	303	285	329	332	319	306	292	238	331	334	321	251	301
Massachusetts.....	1,392	1,336	1,500	1,563	1,417	1,470	1,072	1,078	1,481	1,522	1,536	1,505	1,226
New Jersey.....	2,272	2,102	2,150	2,294	2,329	2,175	1,966	2,006	2,443	2,755	2,754	2,814	1,971
New York.....	6,564	5,875	6,515	6,747	6,782	6,323	5,360	5,603	6,802	7,384	7,722	7,389	6,261
Pennsylvania.....	1,983	1,847	2,148	2,203	2,201	2,165	1,684	1,782	2,032	1,956	1,981	1,947	1,849

TABLE 8.—SMALL LEATHER GOODS—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosures of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	3,615	2,686	2,938	3,039	3,036	2,983	3,272	3,635	3,912	4,208	4,711	4,852	4,105
1937.....	2,443	1,768	1,887	2,062	2,118	2,276	2,441	2,604	2,763	2,903	3,144	3,015	2,341
California.....	45	39	38	39	45	41	40	42	45	50	66	56	39
Connecticut.....	133	118	120	118	147	106	117	124	134	150	156	148	154
Illinois.....	67	53	51	51	51	54	56	63	66	73	80	99	103
Massachusetts.....	605	371	485	529	501	504	541	658	711	753	826	823	553
Missouri.....	297	203	238	231	209	189	246	277	307	323	454	473	415
New Jersey.....	684	351	429	468	503	556	692	841	900	914	918	964	673
New York.....	784	669	689	708	706	728	701	722	755	844	979	967	940
Ohio.....	154	121	120	120	124	128	137	152	168	185	189	207	201
Pennsylvania.....	357	346	362	355	358	328	332	333	344	354	383	397	394
Wisconsin.....	385	331	314	334	299	258	316	326	376	426	530	598	508

## CENSUS OF MANUFACTURES: 1939

TABLE 9.—LEATHER GOODS NOT ELSEWHERE CLASSIFIED—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	2,462	2,206	2,258	2,368	2,355	2,362	2,380	2,443	2,481	2,663	2,800	2,683	2,547
1937 <sup>1</sup> .....	3,699	3,571	3,705	3,837	3,885	3,793	3,791	3,393	3,603	3,831	3,920	3,750	3,309
California.....	70	68	67	69	72	70	70	69	72	76	69	69	70
Connecticut.....	58	59	57	58	58	58	57	58	51	53	59	65	67
Illinois.....	168	152	166	173	171	171	163	168	161	169	177	184	167
Indiana.....	37	40	35	37	38	36	32	39	30	40	40	39	36
Maryland.....	31	30	29	29	30	30	31	31	32	33	33	33	32
Massachusetts.....	328	276	275	291	288	288	303	294	311	368	424	410	406
Michigan.....	32	31	33	35	37	35	33	27	28	26	33	32	32
Missouri.....	9	11	10	9	8	8	9	9	9	8	11	10	10
New Jersey.....	608	574	558	589	584	614	627	625	633	657	642	613	582
New York.....	856	727	772	808	807	793	798	887	898	962	1,031	947	868
Ohio.....	85	82	86	85	83	85	84	85	84	85	86	86	85
Pennsylvania.....	118	115	116	121	115	110	111	110	108	122	129	132	130

<sup>1</sup> Revised.

TABLE 10.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	"Women's pocket-books, handbags, and purses" industry	"Small leather goods" industry	"Leather goods not elsewhere classified" industry
Number of establishments:			
Total for the industry.....	286	118	160
Reporting expenditures for plant and equipment.....	133	57	59
Value of products:			
Total for the industry.....	\$55,806,860	\$14,334,433	\$8,911,482
Reporting expenditures for plant and equipment.....	34,024,543	8,788,557	4,258,450
Expenditures for plant and equipment:			
Total for the industry.....	211,306	121,614	42,733
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	23,209	67,816	5,747
Expenditures for new machinery and operating equipment.....	115,749	47,693	23,574
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	71,148	6,105	13,412
Expenditures unclassified.....	1,200		

TABLE 11.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	WOMEN'S POCKETBOOKS, HANDBAGS, AND PURSES INDUSTRY		SMALL LEATHER GOODS INDUSTRY		LEATHER GOODS NOT ELSEWHERE CLASSIFIED INDUSTRY	
	1939	1937	1939	1937	1939	1937 <sup>1</sup>
Inventories:						
Beginning of year, total.....	\$3,693,121	\$2,495,010	\$2,089,114	\$696,284	\$1,111,164	\$1,592,657
Finished products.....	1,706,065	817,911	969,546	302,636	535,602	706,394
Materials, supplies, etc.....	1,987,056	1,677,099	1,119,568	393,648	575,562	886,263
End of year, total.....	4,388,153	2,943,759	2,436,081	826,492	1,185,502	1,904,795
Finished products.....	1,906,174	981,946	1,083,284	357,874	530,389	861,314
Materials, supplies, etc.....	2,481,979	1,961,813	1,352,797	468,618	654,613	1,043,481
Value of products for the industry, total.....	55,806,860	43,445,540	14,334,433	10,217,004	8,911,482	14,580,679
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	55,650,494	33,667,133	14,174,541	6,524,522	8,026,156	11,177,033
Value for establishments not reporting inventories.....	156,366	9,748,407	9,748,892	3,692,482	885,326	3,403,646

<sup>1</sup> Revised.

STONE, CLAY, AND GLASS PRODUCTS

SUMMARY FOR GROUP 13.—STONE, CLAY, AND GLASS PRODUCTS: 1929 to 1939—Continued

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horsepower of prime movers
SUBGROUPS, INDUSTRIES, AND CENSUS YEAR—continued							
SUMMARY FOR SUBGROUPS AND FOR INDIVIDUAL INDUSTRIES: 1939 AND 1937—continued							
Clay refractories, including refractory cement (clay)—							
1939	165	12,211	\$12,324,290	\$13,213,515	\$42,101,454	\$28,977,939	18,922
1937	163	15,449	16,408,668	17,822,700	52,649,510	34,826,810	( <sup>4</sup> )
Clay products (except pottery) not elsewhere classified—							
1939	99	1,651	1,493,937	1,043,217	4,450,202	3,406,985	6,703
1937	103	1,916	1,883,030	2,313,682	6,587,310	4,273,628	( <sup>4</sup> )
POTTERY AND RELATED PRODUCTS:							
1939	290	33,105	37,459,298	28,926,688	98,883,708	69,957,020	11,292
1937	267	33,366	38,688,168	27,014,244	96,415,736	69,401,492	( <sup>4</sup> )
Vitreous-china plumbing fixtures—							
1939	25	4,534	6,315,843	6,982,118	21,978,821	14,996,703	2,148
1937	30	4,577	6,480,631	5,845,802	20,392,632	14,546,730	( <sup>4</sup> )
Hotel china—							
1939	17	4,350	4,639,398	1,706,993	9,359,660	7,652,667	2,790
1937	18	4,671	5,029,608	1,976,732	10,415,249	8,438,517	( <sup>4</sup> )
Whiteware—							
1939	31	11,728	13,149,932	8,157,025	27,800,677	19,643,652	1,005
1937	35	11,348	12,918,215	7,743,614	25,688,838	17,945,224	( <sup>4</sup> )
Porcelain electrical supplies—							
1939	42	6,018	6,530,168	7,144,220	20,817,045	13,672,825	2,848
1937	37	7,170	8,160,131	7,451,088	23,659,374	16,208,286	( <sup>4</sup> )
China firing and decorating (for the trade)—							
1939	24	421	425,644	1,118,732	2,334,161	1,215,429	( <sup>4</sup> )
1937	16	306	359,151	762,423	1,689,893	927,470	( <sup>4</sup> )
Pottery products not elsewhere classified—							
1939	151	6,054	6,398,313	3,817,600	16,593,344	12,775,744	2,501
1937	131	5,294	5,740,432	3,234,585	14,569,850	11,335,265	( <sup>4</sup> )
CONCRETE, GYPSUM, AND PLASTER PRODUCTS:							
1939	2,559	39,869	42,613,097	114,424,177	257,597,940	143,173,763	66,008
1937	1,778	34,181	36,673,260	81,072,889	194,861,758	113,788,869	( <sup>4</sup> )
Concrete products—							
1939	2,040	17,363	18,769,873	65,684,650	130,393,396	64,708,746	25,291
1937	1,382	12,840	13,780,699	35,453,152	76,173,865	40,720,713	( <sup>4</sup> )
Gypsum products—							
1939	68	4,936	6,665,759	16,694,454	46,241,980	29,547,526	13,911
1937	79	5,207	6,590,983	16,681,193	42,616,511	25,935,318	( <sup>4</sup> )
Mineral wool—							
1939	58	1,885	1,820,727	3,534,865	8,237,553	4,702,688	1,295
1937	32	1,701	1,834,623	3,128,947	7,459,112	4,330,165	( <sup>4</sup> )
Wallboard and wall plaster (except gypsum), building insulation (except mineral wool), and floor composition—							
1939	124	6,227	6,288,111	14,804,368	35,753,840	20,949,472	5,839
1937	82	4,682	4,856,859	12,522,918	33,590,310	21,067,392	( <sup>4</sup> )
Lime—							
1939	269	9,458	9,068,627	13,705,840	36,971,171	23,265,331	19,672
1937	203	9,751	9,610,096	13,286,679	35,021,960	21,735,281	( <sup>4</sup> )
CUT-STONE AND STONE PRODUCTS:							
Monuments, tombstones, cut-stone, and stone products not elsewhere classified—							
1939	1,244	18,516	21,999,696	25,286,612	75,811,785	50,525,173	41,156
1937	1,403	20,816	24,381,321	27,349,256	79,006,196	51,656,940	( <sup>4</sup> )
MISCELLANEOUS NONMETALLIC MINERAL PRODUCTS:							
1939	770	35,654	42,148,398	96,764,452	241,632,686	144,868,234	57,971
1937	626	40,135	48,225,095	100,320,111	235,946,233	135,626,122	( <sup>4</sup> )
Abrasive wheels, stones, paper, cloth, and related products—							
1939	124	7,734	10,683,071	26,505,999	71,271,168	44,765,169	3,872
1937	103	9,670	14,249,652	29,338,748	77,953,930	48,615,182	( <sup>4</sup> )
Asbestos products (except steam packing and pipe and boiler covering)—							
1939	79	9,979	11,578,739	23,928,040	60,774,252	36,846,212	21,290
1937	73	13,023	14,157,450	29,493,630	63,793,752	34,300,122	( <sup>4</sup> )
Steam and other packing; pipe and boiler covering <sup>5</sup> —							
1939	134	5,907	7,190,308	17,608,350	37,170,483	19,562,133	11,898
1937	125	5,934	6,929,564	15,048,262	32,553,818	17,505,556	( <sup>4</sup> )
Natural graphite, ground and refined—							
1939	6	56	65,530	851,893	1,251,206	399,313	465
1937	6	56	73,917	728,573	1,077,529	348,956	( <sup>4</sup> )
Minerals and earths, ground or otherwise treated—							
1939	237	5,858	5,749,781	14,659,619	38,903,146	24,243,527	17,871
1937	157	4,539	4,897,581	11,612,565	27,160,982	15,548,417	( <sup>4</sup> )
Sand-lime brick, block and tile—							
1939	27	346	414,466	637,730	1,915,873	1,278,148	800
1937	23	414	460,336	545,215	1,617,804	1,072,589	( <sup>4</sup> )
Nonclay refractories—							
1939	46	4,792	5,316,179	11,598,114	26,906,439	15,308,325	1,755
1937	40	5,641	6,330,518	12,538,034	28,457,233	15,919,199	( <sup>4</sup> )
Statuary and art goods (except stone and concrete)—factory production—							
1939	126	983	1,150,324	974,707	3,440,114	2,465,407	20
1937	99	858	1,126,077	1,015,084	3,331,185	2,316,101	( <sup>4</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work

See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>4</sup> Not called for on schedule.

<sup>5</sup> Data not available.

<sup>6</sup> Cost of contract work not included in figures for 1933 or prior years.

<sup>7</sup> Revised.

<sup>8</sup> This industry was formerly included in the "Miscellaneous Industries" group.

GENERAL STATISTICS IN DETAIL FOR THE GROUP, THE SUBGROUPS, AND FOR THE INDUSTRIES<sup>1</sup>: 1939

ITEM	Aggregate for the group	1930	GLASSWARE, PRESSED OR BLOWN					STRUCTURAL CLAY PRODUCTS		
			Total	1931	1932	1933	1934	Total	1931	1932
Number of establishments <sup>2</sup> .....	7,024	37	192	77	115	557	160	1,206	800	12
Proprietors and firm members.....	3,816		30	1	29	369	1	454	330	1
Persons reported by manufacturing industries, total <sup>3</sup> .....	337,894	18,638	60,677	29,357	31,320	12,195	28,197	63,993	32,962	1,297
Salaried officers of corporations <sup>4</sup> .....	5,487	26	315	132	183	472	116	1,035	698	14
Manufacturing:										
Salaried employees <sup>4</sup> .....	27,452	1,493	5,482	2,785	2,697	930	2,652	3,796	1,779	144
Wage earners (average for the year) <sup>4</sup> .....	287,522	16,739	53,083	25,753	27,330	10,012	23,801	56,745	29,069	1,099
Distribution.....	13,318	62	1,454	552	902	720	1,065	1,838	1,096	24
Construction.....	3,408	318	300	118	182	20	529	494	275	16
Other.....	707		43	17	26	41	33	85	45	
Salaries and wages, total <sup>5</sup> .....	\$440,280,158	\$28,160,934	\$81,997,513	\$43,022,557	\$38,974,956	\$15,168,351	\$42,582,657	\$69,456,271	\$33,877,263	\$1,666,836
Salaried officers <sup>4</sup> .....	24,777,352	127,322	2,556,932	1,340,843	1,216,089	1,744,957	943,029	4,197,620	2,642,630	62,691
Manufacturing:										
Salaries <sup>4</sup> .....	53,921,014	3,584,521	11,016,225	5,723,717	5,292,508	1,550,920	6,465,170	6,575,084	2,909,199	241,631
Wages.....	329,559,927	24,008,619	64,296,293	34,181,498	30,114,795	10,615,452	31,588,404	54,830,670	26,349,346	1,298,603
Distribution.....	26,331,417	190,726	3,650,847	1,580,383	2,070,464	1,196,879	2,680,442	3,289,389	1,691,060	47,151
Construction.....	4,709,519	249,746	422,969	172,382	250,587	14,954	860,116	496,205	246,909	16,460
Other.....	980,929		54,247	23,734	30,513	45,189	45,496	67,303	38,119	
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	528,792,323	33,848,867	86,926,533	59,893,331	27,033,202	26,454,765	68,529,756	47,630,473	22,469,597	757,441
Materials, supplies, and containers.....	409,967,723	28,015,297	67,055,539	47,718,907	19,336,632	25,651,051	34,034,358	22,478,390	6,996,528	452,122
Fuel.....	84,268,125	4,376,128	15,623,651	9,331,805	6,291,746	329,617	24,164,457	20,868,256	12,660,149	248,092
Purchased electric energy.....	31,999,382	1,446,549	4,087,010	2,770,049	1,316,970	397,460	9,908,469	4,175,779	2,725,259	56,213
Contract work.....	2,557,093	10,893	160,324	72,470	87,854	76,637	422,472	108,048	87,661	1,014
Value of products.....	1,440,151,489	102,389,012	255,589,010	158,271,647	97,317,363	49,886,406	192,611,304	165,749,638	78,153,227	3,175,310
Value added by manufacture <sup>6</sup> .....	911,359,166	68,540,145	168,662,477	98,378,316	70,284,161	23,431,641	124,081,548	118,119,165	55,683,630	2,417,869

ITEM	STRUCTURAL CLAY PRODUCTS—continued					POTTERY AND RELATED PRODUCTS			
	1933	1934	1935	1936	1939	Total	1931	1932	1933
Number of establishments <sup>1</sup> .....	16	49	65	165	99	290	25	17	31
Proprietors and firm members.....	9	19	6	13	76	135	2		2
Persons reported by manufacturing industries, total <sup>3</sup> .....	726	6,434	7,051	13,655	1,868	37,095	5,146	4,798	12,773
Salaried officers of corporations <sup>4</sup> .....	7	69	77	124	46	410	47	49	63
Manufacturing:									
Salaried employees <sup>4</sup> .....	75	420	335	929	114	2,387	444	267	566
Wage earners (average for the year) <sup>4</sup> .....	628	5,651	6,406	12,211	1,651	33,105	4,534	4,350	11,728
Distribution.....	16	237	195	221	49	865	107	111	192
Construction.....		21	30	138	8	284	13	18	190
Other.....		6	2	32		44	1	3	34
Salaries and wages, total <sup>5</sup> .....	\$787,360	\$7,523,378	\$8,276,040	\$15,404,131	\$1,921,263	\$46,919,075	\$7,668,560	\$5,715,529	\$15,600,374
Salaried officers <sup>4</sup> .....	11,002	327,775	391,355	612,049	150,118	2,416,639	291,686	261,524	434,741
Manufacturing:									
Salaries <sup>4</sup> .....	136,966	686,069	621,046	1,794,163	185,710	4,769,149	817,491	519,609	1,341,598
Wages.....	615,607	5,931,149	6,817,738	12,324,290	1,465,387	37,459,298	6,315,843	4,639,398	13,149,932
Distribution.....	22,006	544,935	402,334	497,840	84,063	1,793,623	215,274	267,372	379,626
Construction.....	1,779	27,992	41,479	154,151	7,435	391,299	26,923	24,850	214,728
Other.....		5,458	2,088	21,638		89,067	1,343	2,776	79,749
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	376,245	5,142,384	4,628,074	13,213,515	1,043,217	28,926,688	6,982,118	1,706,993	8,157,025
Materials, supplies, and containers.....	141,578	3,958,115	1,782,414	8,795,805	351,828	24,150,768	6,013,333	1,202,435	6,851,085
Fuel.....	205,073	925,425	2,630,152	3,608,063	591,302	3,622,932	813,611	420,982	936,297
Purchased electric energy.....	29,594	256,067	212,508	796,051	100,087	998,966	154,337	82,952	270,301
Contract work.....		2,777	3,000	13,596		154,922	837	644	99,342
Value of products.....	1,824,881	17,658,885	18,295,679	42,191,454	4,450,202	98,883,708	21,978,821	9,359,660	27,800,677
Value added by manufacture <sup>6</sup> .....	1,448,636	12,516,501	13,667,605	28,977,939	3,406,985	69,957,020	14,996,703	7,652,667	19,643,652

See footnote at end of table.

STONE, CLAY, AND GLASS PRODUCTS

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GENERAL STATISTICS IN DETAIL FOR THE GROUP, THE SUBGROUPS, AND FOR THE INDUSTRIES:  
1939—Continued

ITEM	POTTERY AND RELATED PRODUCTS—continued			CONCRETE, GYPSUM, AND PLASTER PRODUCTS					
	1934	1935	1939	Total	1971	1972	1973	1974	1975
Number of establishments <sup>2</sup> .....	42	24	151	2,559	2,040	68	58	124	269
Proprietors and firm members.....	7	19	105	1,561	1,398	1	15	38	109
Persons reported by manufacturing industries, total <sup>3</sup> .....	6,897	509	6,972	49,270	22,459	5,863	2,297	7,734	10,917
Salaried officers of corporations <sup>2</sup> .....	72	18	161	1,416	1,033	25	49	125	184
Manufacturing:									
Salaried employees <sup>2</sup> .....	631	29	450	4,209	1,728	667	215	849	750
Wage earners (average for the year) <sup>4</sup> .....	6,018	421	6,054	39,869	17,363	4,936	1,855	6,227	9,458
Distribution.....	131	33	236	2,993	2,037	82	87	435	302
Construction.....	44	3	16	640	165	132	61	77	205
Other.....	1		5	143	83			21	18
Salaries and wages, total <sup>5</sup> .....	\$8,769,011	\$616,440	\$8,549,161	\$80,958,428	\$28,699,936	\$8,540,550	\$2,601,506	\$9,199,956	\$11,916,480
Salaried officers <sup>2</sup> .....	564,701	82,033	781,954	5,403,505	3,817,627	101,040	198,839	613,561	672,438
Manufacturing:									
Salaries <sup>2</sup> .....	1,253,088	43,524	793,839	7,246,680	2,726,096	1,365,079	383,391	1,410,947	1,361,167
Wages.....	6,530,168	425,644	6,398,313	42,613,097	18,769,873	6,665,759	1,820,727	6,288,111	9,068,827
Distribution.....	321,110	62,417	547,824	4,640,631	3,064,252	173,179	131,918	743,812	627,470
Construction.....	98,993	2,822	22,983	875,560	228,000	216,833	66,631	119,462	244,634
Other.....	951		4,248	178,955	94,088	18,660		24,063	42,144
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	7,144,220	1,118,732	3,817,600	114,424,177	65,634,650	16,694,454	3,534,865	14,804,368	13,705,840
Materials, supplies, and containers.....	6,219,375	1,063,962	2,800,578	99,406,625	63,177,255	13,966,634	2,712,034	12,342,484	7,208,218
Fuel.....	666,796	28,408	756,838	9,139,693	870,467	1,444,346	664,867	1,126,819	5,033,194
Purchased electric energy.....	244,811	6,337	239,348	5,259,798	1,045,850	1,283,054	157,964	1,329,440	1,443,490
Contract work.....	13,238	20,025	20,836	618,061	691,078	420		5,625	20,938
Value of products.....	20,817,045	2,334,161	16,593,344	257,597,940	130,393,396	46,241,980	8,237,553	35,753,840	36,971,171
Value added by manufacture <sup>6</sup> .....	13,672,825	1,215,429	12,775,744	143,173,763	64,708,746	29,547,526	4,702,688	20,949,472	23,265,331

ITEM	1938	MISCELLANEOUS NONMETALLIC MINERAL PRODUCTS								
		Total	1991	1992	1993	1994	1995	1996	1997	1998
Number of establishments <sup>2</sup> .....	1,244	779	124	79	134	6	237	27	46	126
Proprietors and firm members.....	974	202	31	12	49	2	39	9	2	148
Persons reported by manufacturing industries, total <sup>3</sup> .....	22,827	45,005	11,321	12,216	7,531	88	6,970	429	5,278	1,172
Salaried officers of corporations <sup>2</sup> .....	910	787	205	90	161	4	197	16	49	65
Manufacturing:										
Salaried employees <sup>2</sup> .....	1,816	4,687	1,646	1,184	719	14	654	26	366	78
Wage earners (average for the year) <sup>4</sup> .....	18,516	35,655	7,734	9,979	5,907	56	5,858	346	4,792	983
Distribution.....	1,474	2,846	1,120	725	673	14	174	34	63	43
Construction.....	55	768	392	232	53		81	7	3	
Other.....	56	262	224	6	18		6		5	3
Salaries and wages, total <sup>5</sup> .....	\$29,893,711	\$65,143,218	\$20,490,903	\$16,291,196	\$11,168,780	\$163,142	\$8,336,637	\$579,867	\$6,580,146	\$1,532,547
Salaried officers <sup>2</sup> .....	2,701,488	4,685,860	1,744,548	592,635	1,001,276	31,683	820,806	43,209	258,893	192,810
Manufacturing:										
Salaries <sup>2</sup> .....	2,922,537	9,790,728	3,699,072	2,363,697	1,482,976	38,490	1,261,354	42,415	780,529	122,195
Wages.....	21,999,696	42,148,398	10,683,071	11,578,739	7,190,308	65,580	5,749,781	414,466	5,316,179	1,150,324
Distribution.....	2,134,597	6,764,283	3,215,465	1,401,248	1,386,533	27,439	389,495	74,960	193,683	65,460
Construction.....	80,330	1,318,340	742,848	349,763	86,842		108,000	4,817	26,070	
Other.....	55,063	445,609	405,899	5,114	20,845		7,201		4,792	1,758
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	25,286,612	96,764,452	26,505,999	23,928,040	17,608,350	851,893	14,659,619	637,730	11,598,114	974,707
Materials, supplies, and containers.....	21,733,201	87,442,494	25,030,578	22,292,026	16,628,640	838,544	12,234,117	510,163	9,001,970	906,456
Fuel.....	547,380	5,596,011	743,975	915,943	697,983	5,266	990,770	78,273	2,135,179	28,622
Purchased electric energy.....	2,232,389	3,493,853	709,879	709,266	269,681	8,083	1,263,361	49,294	455,935	28,354
Contract work.....	773,642	232,094	21,567	10,805	12,046		171,871		5,080	11,275
Value of products.....	75,811,785	241,632,686	71,271,168	60,774,252	37,170,483	1,251,206	38,903,146	1,915,878	26,906,439	3,440,114
Value added by manufacture <sup>6</sup> .....	50,525,173	144,868,234	44,765,169	36,846,212	19,562,133	399,313	24,243,527	1,278,148	15,308,325	2,465,407

<sup>1</sup> The numbers at the head of each column represent the following industries: 1310, Flat glass. 1321, Glass containers. 1329, Tableware, pressed or blown glass, and glassware not elsewhere classified. 1330, Mirrors and other glass products made of purchased glass. 1340, Cement. 1351, Brick and hollow structural tile. 1352, Terra cotta. 1353, Roofing tile. 1354, Floor and wall tile (except quarry tile). 1355, Sewer pipe and kindred products. 1356, Clay refractories, including refractory cement (clay). 1359, Clay products (except pottery) not elsewhere classified. 1361, Vitreous-china plumbing fixtures. 1362, Hotel china. 1363, White ware. 1364, Porcelain electrical supplies. 1365, China firing and decorating (for the trade). 1369, Pottery products not elsewhere classified. 1371, Concrete products. 1372, Gypsum products. 1373, Mineral wool. 1374, Wallboard and wall plaster (except gypsum), building insulation (except mineral wool), and floor composition. 1375, Lime. 1380, Monuments, tombstones, cut-stone, and stone products not elsewhere classified. 1391, Abrasive wheels, stones, paper, cloth, and related products. 1392, Asbestos products (except steam packing and pipe and boiler covering). 1393, Steam and other packing; pipe and boiler covering. 1394, Natural graphite, ground and refined. 1395, Minerals and earths, ground or otherwise treated. 1396, Sand-lime brick, block and tile. 1397, Nonclay refractories. 1398, Statuary and art goods (except stone and concrete)—factory production.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

# FLAT GLASS

[A preliminary report for this industry was issued December 14, 1940]

**Description of the industry.**—This industry embraces establishments engaged primarily in the manufacture of flat glass, including plate glass, clear window glass, ornamental and structural flat glass, from raw materials. It does not include glass cutting, beveling, bending, engraving, staining, ornamenting, or making glass labels, except to the extent to which these activities are carried on by the same establishments in which the glass is manufactured. This industry was made a separate classification at the census for 1939, and the 1937 reports were retabulated to show figures comparable with 1939. No retabulations were made for earlier years.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	37	16,739	\$24,008,619	\$33,848,867	\$102,389,012	\$68,540,145	58,413
1937.....	39	20,583	30,598,180	44,449,733	127,352,542	82,902,809	(4)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>4</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	West Virginia	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	37	7	30
Proprietors and firm members.....			
Persons reported by manufacturing establishments, total <sup>3</sup> .....	18,638	2,824	15,814
Salaried officers of corporations <sup>3</sup> .....	26	6	20
Manufacturing:			
Salaried employees <sup>3</sup> .....	1,493	244	1,249
Wage earners (average for the year) <sup>4</sup> .....	16,739	2,384	14,355
Distribution.....	62	30	32
Construction.....	318	160	158
Other.....			
Salaries and wages, total <sup>3</sup> .....	\$28,160,934	\$4,691,282	\$23,469,652
Salaried officers <sup>3</sup> .....	127,322	39,200	88,122
Manufacturing:			
Salaries <sup>3</sup> .....	3,584,521	630,661	2,953,860
Wages.....	24,008,619	3,779,250	20,229,369
Distribution.....	190,726	130,427	60,299
Construction.....	249,746	111,744	138,002
Other.....			
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	33,848,867	4,652,463	29,196,404
Materials, supplies, and containers.....	28,015,297	3,267,286	24,748,011
Fuel.....	4,376,128	1,318,615	3,057,513
Purchased electric energy.....	1,446,549	66,562	1,379,987
Contract work.....	10,893		10,893
Value of products.....	102,389,012	12,544,075	89,844,937
Value added by manufacture <sup>3</sup> .....	68,540,145	7,891,612	60,648,533

<sup>1</sup> Arkansas, 1 establishment; California, 1; Illinois, 1; Indiana, 3; Louisiana, 1; Michigan, 1; Minnesota, 1; Missouri, 2; Ohio, 4; Oklahoma, 2; Pennsylvania, 12; Tennessee, 1.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

FLAT GLASS

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Flat Glass industry, all products, total value.....	\$102,389,012	\$127,352,542
Flat glass made in this industry.....	71,290,611	98,859,158
Miscellaneous products not specified.....	119,293	28,493,384
Other products (not classified in this industry).....	30,979,108	
Flat glass, total value.....	71,363,109	100,938,681
Flat glass made in this industry.....	71,290,611	98,859,158
Flat glass made as secondary products in the pressed or blown glassware industry.....	72,498	2,079,523

<sup>1</sup> Of this amount \$30,930,377 is "Laminated glass."  
<sup>2</sup> Includes glass block or brick produced in the "Tableware, pressed or blown glass, and glassware not elsewhere classified" industry.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939	1937
Flat glass, total value.....	\$71,363,109	\$100,938,681
Window glass:		
Square feet.....	474,886,321	616,566,127
Value.....	\$24,326,040	\$31,389,468
Obscured glass, including cathedral and skylight glass, and opalescent sheet glass:		
Rolled glass, rough-fluted, figured, etc.—		
Square feet.....	18,966,837	21,003,837
Value.....	\$1,154,431	\$1,386,645
Other obscured glass—		
Square feet.....	2,950,235	6,694,567
Value.....	\$1,080,649	\$2,579,360
Wire glass, rough and polished:		
Square feet.....	16,197,002	21,343,221
Value.....	\$2,291,800	\$2,719,192
Other flat glass, <sup>1</sup> value.....	\$42,510,189	\$62,864,016

<sup>1</sup> Includes polished plate glass, other safety glass (not laminated), rough plate glass, and spectacle glass. Statistics for glass block or brick not included for 1939 but are included for 1937.

TABLE 5.—NUMBER OF ESTABLISHMENTS, AND PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939

KIND AND STATE	Number of establishments	Quantity	Value
Window glass, total.....	13	Square feet 474,886,321	\$24,326,040
West Virginia.....	4	189,813,400	9,739,037
Ind., 1 est.; Ohio, 1; Va., 3.....	5	163,828,900	8,325,039
Other States (Ark., 1 est.; La., 1; Minn., 1; Okla., 1).....	4	121,244,021	6,261,964
Obscured glass, including cathedral and skylight glass, and opalescent sheet glass:			
Rolled glass, rough fluted, figured, etc., total.....	11	18,966,837	1,154,431
Ind., 1 est.; Mo., 1; Okla., 1.....	3	1,730,411	193,953
Other States (Calif., 1 est.; Ohio, 1; Pa., 3; Tenn., 1; W. Va., 2).....	8	17,236,426	960,478
Other obscured glass—			
Ind., 1 est.; Okla., 1; Pa., 4; Tenn., 1; W. Va., 1.....	8	2,950,235	1,080,649
Wire glass, rough and polished:			
Calif., 1 est.; Mo., 1; Okla., 1; Pa., 4; Tenn., 1.....	8	16,197,002	2,291,800
Other flat glass: <sup>1</sup>			
Ill., 1 est.; Ind., 1; Mo., 1; Ohio, 2; Pa., 5; W. Va., 2.....	12		42,510,189

TABLE 6.—PRINCIPAL MATERIALS CONSUMED, BY KIND AND QUANTITY, BY STATES: 1939 AND 1937 [Tons, 2,000 pounds]

STATE	Silica sand	Soda ash	Salt cake	Limestone	Feldspar <sup>1</sup>
United States: <sup>2</sup>					
1939.....	431,274	120,339	27,915	66,432	9,916
1937.....	549,986	159,319	35,961	87,032	.....
Pennsylvania:					
1939.....	126,880	36,535	( <sup>3</sup> )	26,683	1,683
1937.....	167,524	51,865	9,028	39,827	.....
West Virginia:					
1939.....	141,075	38,028	9,726	6,950	3,950
1937.....	191,208	52,152	14,187	9,890	.....
Other States:					
1939.....	163,319	45,776	18,189	32,799	4,283
1937.....	191,254	55,302	12,746	37,315	.....

<sup>1</sup> Not called for on schedule for 1937.  
<sup>2</sup> In addition, 424,155 tons of grinding sand were reported for 1939 and 635,782 tons for 1937, and 31,150 tons of lime were reported for 1939 and 40,438 tons for 1937. The distribution by States cannot be given for either of these materials without disclosing, exactly or approximately, data reported by individual establishments.  
<sup>3</sup> Included in figure for "Other States" to avoid disclosing, exactly or approximately, data reported by individual establishments.

TABLE 7.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	16,739	16,530	15,885	15,593	16,925	15,353	16,040	16,100	15,994	16,855	18,172	18,688	18,728
1937.....	20,583	18,313	22,107	21,941	21,712	21,075	20,872	20,852	20,531	20,648	20,495	19,824	18,628
Indiana.....	286	316	302	301	304	302	303	300	174	199	295	307	324
Ohio.....	2,182	2,086	2,094	2,078	2,063	1,980	2,015	2,050	2,112	2,215	2,333	2,555	2,602
Pennsylvania.....	5,736	5,260	4,553	4,508	5,743	5,628	5,602	5,696	5,935	6,322	6,372	6,690	6,552
West Virginia.....	2,384	2,118	2,179	2,277	2,580	2,419	2,506	2,428	2,299	2,087	2,358	2,659	2,903

TABLE 8.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	37
Reporting expenditures for plant and equipment.....	31
Value of products:	
Total for the industry.....	\$102,389,012
Reporting expenditures for plant and equipment.....	99,636,028
Expenditures for plant and equipment:	
Total for the industry.....	2,137,748
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	392,744
Expenditures for new machinery and operating equipment.....	1,723,328
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	21,676

TABLE 9.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$23,117,879	\$13,683,674
Finished products.....	13,832,823	3,634,011
Materials, supplies, etc.....	9,285,056	10,049,663
End of year, total.....	16,225,324	19,709,255
Finished products.....	5,853,329	9,345,756
Materials, supplies, etc.....	10,371,995	10,363,499
Value of products for the industry, total.....	102,389,012	127,352,542
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	102,367,093	127,277,831
Value for establishments not reporting inventories.....	21,919	74,711

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	37
Number of establishments reporting power equipment.....	37
Prime movers, aggregate:	
Number.....	63
Horsepower.....	58,413

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND [ELECTRIC ENERGY: 1939<sup>1</sup>—Continued

	1939
Prime movers—Continued.	
Prime movers, driving generators, total—	
Number.....	46
Horsepower.....	50,754
Steam engines—	
Number.....	14
Horsepower.....	4,585
Steam turbines—	
Number.....	13
Horsepower.....	39,724
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—	
Number.....	19
Horsepower.....	6,495
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	3,845
Prime movers not driving generators, total—	
Number.....	17
Horsepower.....	7,559
Steam engines—	
Number.....	7
Horsepower.....	3,044
Steam turbines—	
Number.....	1
Horsepower.....	350
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—	
Number.....	9
Horsepower.....	4,265
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	30
Generators, kilowatt rating, total.....	37,176
Generators, driven by—	
Steam engines, kilowatt rating.....	3,044
Steam turbines, kilowatt rating.....	29,605
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel, kilowatt rating.....	4,527
Generators, ordinarily idle (included above), kilowatt rating.....	2,592
Electric motors, total:	
Number.....	13,121
Horsepower.....	150,930
Driven by purchased energy—	
Number.....	9,476
Horsepower.....	100,008
Driven by energy generated in establishments reporting—	
Number.....	3,645
Horsepower.....	50,922
Electric energy (kilowatt-hours):	
Generated in plant.....	88,915,677
Sold.....	12,071,800
Purchased.....	177,370,757

<sup>1</sup> Comparable data for 1929 not available.<sup>2</sup> Gas, gasoline, etc.

## GLASS CONTAINERS

[A preliminary report for this industry was issued December 14, 1940]

**Description of the industry.**—This industry embraces establishments engaged primarily in the manufacture of glass containers for packing and bottling and for home canning from raw materials. It does not include glass cutting, beveling, bending, engraving, staining, or ornamenting or making of glass labels, except to the extent to which these activities

are carried on by the same establishments in which the glass containers are manufactured.

“Glass containers” was made a separate industry classification at the census for 1939, and the 1937 reports were retabulated to obtain figures comparable with 1939. No retabulations were made for earlier years.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	77	25,753	\$34,181,498	\$59,893,331	\$158,271,647	\$98,378,316	27,221
1937.....	80	28,422	37,288,379	69,136,273	162,717,424	93,581,151	(4)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>4</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Indiana	Maryland	New Jersey	Ohio	Oklahoma	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	77	7	9	4	7	4	5	15	26
Proprietors and firm members.....	1								1
Persons reported by manufacturing establishments, total <sup>3</sup> .....	29,357	1,870	5,185	1,521	3,856	1,861	764	4,081	9,368
Salaried officers of corporations <sup>4</sup> .....	132	10	11	15	11	2	7	37	39
Manufacturing:									
Salaried employees <sup>4</sup> .....	2,785	254	420	180	372	166	62	387	944
Wage earners (average for the year) <sup>4</sup> .....	25,753	1,561	4,577	1,260	3,386	1,688	650	4,487	8,143
Distribution.....	552	38	156	61	67	2	13	13	202
Construction.....	118		21	5	20		32	6	34
Other.....	17	7				3		1	6
Salaries and wages, total <sup>5</sup> .....	\$43,022,557	\$3,264,866	\$7,382,384	\$2,174,399	\$5,235,355	\$2,771,391	\$925,930	\$7,232,655	\$14,085,577
Salaried officers <sup>5</sup> .....	1,340,843	49,041	248,188	190,318	85,486	27,000	79,684	275,440	385,686
Manufacturing:									
Salaries <sup>5</sup> .....	5,723,717	608,452	1,013,799	381,356	686,499	276,714	118,459	668,381	1,970,057
Wages.....	34,181,498	2,473,257	5,638,993	1,466,096	4,234,375	2,458,063	690,935	6,211,020	11,008,769
Distribution.....	1,580,383	122,384	412,625	129,225	197,892	5,400	28,215	69,977	614,665
Construction.....	172,382		68,779	7,404	31,103		8,637	7,369	49,090
Other.....	23,734	11,732				4,214		468	7,320
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	59,893,331	3,791,547	11,951,801	1,764,141	6,559,079	3,294,665	1,746,156	11,219,391	19,566,551
Materials, supplies, and containers.....	47,718,907	3,183,728	9,856,844	1,256,357	4,831,805	2,545,402	1,517,207	9,192,005	15,335,559
Fuel.....	9,331,905	390,441	1,619,290	346,491	1,279,477	580,409	182,776	1,651,643	3,281,378
Purchased electric energy.....	2,770,049	217,378	475,667	158,315	447,797	168,854	46,173	375,743	879,622
Contract work.....	72,470		2,478						69,992
Value of products.....	158,271,647	13,036,840	27,242,941	5,918,568	17,360,113	8,967,775	3,340,669	27,301,331	55,103,410
Value added by manufacture <sup>6</sup> .....	98,378,316	9,245,293	15,291,140	4,154,427	10,801,034	5,673,110	1,594,513	16,081,940	35,536,859

<sup>1</sup> Florida, 1 establishment; Illinois, 6; Mississippi, 1; New York, 8; South Carolina, 1; Tennessee, 1; Texas, 1; Washington, 1; West Virginia, 6.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> See GENERAL EXPLANATIONS—Wages earned and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Glass Containers industry, all products, total value.....	\$158,271,647	\$162,717,424
Glass containers made in this industry.....	151,631,042	157,316,014
Miscellaneous products not specified.....	11,486	
Other products (not classified in this industry).....	6,229,119	5,401,410
Glass containers, aggregate value.....	156,364,837	162,206,674
Glass containers made in this industry.....	151,631,042	157,316,014
Glass containers made as secondary products in the "Tableware, pressed or blown glass and glassware not elsewhere classified" industry.....	4,833,795	4,890,660

<sup>1</sup> Includes, in order of value, metal caps, battery shells, jar rubbers, machine-made (automatic) tableware (pressed and blown), rubber specialties, and vacuum seal lids and fittings.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939	1937
Glass containers, aggregate value.....	\$156,364,837	\$162,206,674
Food-product containers, total value.....	\$60,185,027	\$61,262,775
Milk bottles:		
Gross.....	2,535,729	2,676,711
Value.....	\$13,067,748	\$14,272,620

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

PRODUCT	1939	1937
Food-product containers—Continued.		
Narrow-neck (packers' ware):		
Gross.....	3,984,395	3,915,282
Value.....	\$12,268,859	\$12,510,704
Wide-mouth bottles and jars (packers' ware):		
Gross.....	10,342,187	9,310,406
Value.....	\$28,773,924	\$26,238,445
Pressed ware, fruit jars and jelly glasses (packers' ware and home-pack):		
Gross.....	1,284,705	1,745,336
Value.....	\$6,074,496	\$8,241,006
Beverage containers, total value.....	\$51,218,689	\$57,473,730
Beer bottles:		
Gross.....	2,574,208	4,673,982
Value.....	\$7,451,242	\$13,382,049
Liquor ware (including wines and cordials):		
Gross.....	8,212,565	8,311,692
Value.....	\$29,563,221	\$30,462,243
Other pressure and nonpressure ware (including soft-drink, ginger-ale, water, and grape-juice bottles):		
Gross.....	3,448,551	3,473,812
Value.....	\$14,204,226	\$13,629,438
Medicinal and toilet preparation containers:		
Gross.....	17,994,841	18,348,169
Value.....	\$38,171,646	\$36,156,914
General-purpose containers (carboys, pantry jars, etc.) and other containers not classified above:		
Dozens.....	25,878,502	29,036,014
Value.....	\$6,789,475	\$7,313,265

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939

KIND AND STATE	Number of establishments	Quantity	Value	KIND AND STATE	Number of establishments	Quantity	Value
FOOD-PRODUCTS CONTAINERS				BEVERAGE CONTAINERS—continued			
Milk bottles, total.....	15	Gross 2,535,729	\$13,067,748	Liquor ware (including wines and cordials), total.....	55	Gross 8,212,565	\$29,563,221
Md., 1 est.; N. Y., 4; Pa., 2.....	7	1,221,575	6,128,317	California.....	6	557,474	2,814,625
Ohio, 2; W. Va., 1.....	3	673,677	3,410,338	Indiana.....	7	1,574,504	4,943,752
Other States (Calif., 1 est.; Fla., 1; Ill., 2; Okla., 1).....	5	640,477	3,520,093	New Jersey.....	4	1,210,477	4,208,285
Narrow-neck (packers' ware), total.....	46	3,984,395	12,268,859	Pennsylvania.....	10	1,109,037	3,414,532
California.....	6	375,164	1,454,616	Md., 3 est.; N. Y., 3; Ohio, 4; W. Va., 7.....	17	2,035,174	7,830,694
Indiana.....	7	942,175	2,587,774	Other States (Fla., 1 est.; Ill., 3; Miss., 1; Okla., 2; S. C., 1; Tenn., 1; Tex., 1; Wash., 1).....	11	1,725,899	6,351,333
New Jersey.....	4	539,917	1,657,996	Other pressure and nonpressure ware (including soft-drink, ginger-ale, water, and grape-juice bottles), total.....	36	3,448,551	14,204,226
Pennsylvania.....	8	532,631	1,307,669	Indiana.....	5	89,658	244,925
N. Y., 3 est.; Ohio, 3; W. Va., 5.....	11	1,147,823	3,738,476	Ill., 3 est.; Md., 2; N. J., 2; N. Y., 1; Ohio, 3; Pa., 6.....	17	1,418,746	5,802,310
Other States (Fla., 1 est.; Ill., 4; Md., 1; Okla., 2; Tex., 1; Wash., 1).....	10	455,635	1,522,328	S. C., 1 est.; Tenn., 1; W. Va., 3.....	5	1,542,246	6,167,565
Wide-mouth bottles and jars (packers' ware), total.....	52	10,342,187	28,773,924	Other States (Ark., 1 est.; Calif., 5; Okla., 1; Tex., 1; Wash., 1).....	9	397,901	1,989,426
California.....	6	829,810	3,052,781	Medicinal and toilet-preparation containers, total.....	54	17,994,841	38,171,646
Indiana.....	7	1,343,792	3,416,313	California.....	5	460,974	1,478,053
New Jersey.....	4	850,598	2,364,774	Indiana.....	6	3,309,083	6,671,086
Ohio.....	4	877,540	2,523,356	Maryland.....	4	2,118,547	4,749,017
Pennsylvania.....	10	3,037,946	7,866,559	New Jersey.....	5	3,683,855	8,509,126
Fla., 1 est.; Miss., 1; S. C., 1; Tenn., 1.....	4	330,467	982,461	Pennsylvania.....	13	3,314,684	7,030,926
Md., 3 est.; N. Y., 3; W. Va., 4.....	10	1,808,580	4,827,888	Okla., 2 est.; Tenn., 1; Tex., 1.....	4	39,722	97,362
Other States (Ill., 2 est.; Okla., 3; Tex., 1; Wash., 1).....	7	1,263,454	3,739,762	Other States (Ill., 5 est.; Miss., 1; N. Y., 2; Ohio, 4; Wash., 1; W. Va., 4).....	17	5,067,976	9,636,076
Pressed ware, fruit jars and jelly glasses (packers' ware and home-pack), total.....	21	1,284,705	6,074,496	General-purpose containers (carboys, pantry jars, etc.) and other containers not classified above, total.....	38	Dozens 25,878,502	6,789,475
Oklahoma.....	5	284,324	1,358,167	California.....	6	248,060	308,819
Ill., 1 est.; Ind., 2; Pa., 3; W. Va., 3.....	9	921,794	4,392,857	Indiana.....	4	2,635,310	560,825
Other States (Calif., 2 est.; N. J., 1; N. Y., 1; Ohio, 2; Tex., 1).....	7	78,587	323,472	New Jersey.....	10	11,539,363	2,315,678
BEVERAGE CONTAINERS				Pennsylvania.....	5	6,331,293	1,653,951
Beer bottles, total.....	30	2,574,208	7,451,242	Md., 2 est.; Ohio, 3.....	4	1,364,820	258,527
Indiana.....	4	141,228	304,921	Other States (N. J., 4 est.; N. Y., 2; Okla., 2; Tex., 1).....	9	3,759,656	1,691,675
New Jersey.....	4	264,914	771,452				
Pennsylvania.....	5	309,038	808,007				
Calif., 6 est.; Wash., 1.....	7	188,425	789,439				
Other States (Fla., 1 est.; Ill., 3; N. Y., 1; Ohio, 3; W. Va., 2).....	10	1,670,603	4,777,423				

## GLASS CONTAINERS

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TABLE 6.—PRINCIPAL MATERIALS CONSUMED, BY KIND AND QUANTITY, BY STATES: 1939 AND 1937

[Tons, 2,000 pounds]

STATE	Silica sand	Soda ash	Salt cake	Lime	Lime-stone	Feld-spar <sup>1</sup>	STATE	Silica sand	Soda ash	Salt cake	Lime	Lime-stone	Feld-spar <sup>1</sup>
United States: <sup>2</sup>							New York:						
1939.....	1,488,716	536,014	9,722	150,789	112,418	117,079	1939.....	86,355	30,564	(3)	(3)	7,309	(3)
1937.....	1,714,132	632,973	4,473	183,146	108,437		1937.....	(3)	(3)	(3)	(3)	(3)	
California:							Ohio:						
1939.....	111,210	35,842	324	(3)	23,215	(3)	1939.....	92,122	34,921	(3)	(3)	(3)	(3)
1937.....	161,938	54,212	540	(3)	(3)		1937.....	108,739	39,403	(3)	(3)	(3)	
Indiana:							Oklahoma:						
1939.....	197,163	71,445	432	18,222	17,408	21,266	1939.....	36,269	13,442	(3)		7,311	5,436
1937.....	258,848	94,890	442	32,105	6,619		1937.....	28,107	10,497	(3)	(3)	(3)	
Maryland:							Pennsylvania:						
1939.....	35,359	13,012	162	3,014	(3)	4,687	1939.....	276,134	102,174	1,508	31,913	(3)	20,833
1937.....	33,901	12,545	(3)	3,790	(3)		1937.....	301,829	115,216	1,946	17,431	28,479	
New Jersey:							Other States:						
1939.....	158,871	55,164	249	24,858	9,128	22,657	1939.....	495,233	179,150	7,047	72,782	48,047	42,200
1937.....	153,163	56,355	(3)	(3)	11,707		1937.....	667,607	249,855	1,545	129,820	61,632	

<sup>1</sup> Not called for on schedule for 1937.<sup>2</sup> In addition, a small quantity of grinding sand was used in 1939 and 1937, but any figures given would disclose, exactly or approximately, data reported by individual establishments.<sup>3</sup> Included in figures for "Other States" to avoid disclosing, exactly or approximately, data reported by individual establishments.

TABLE 7.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	25,753	23,216	23,358	24,442	25,525	26,276	27,098	27,395	27,406	26,079	26,097	26,280	25,861
1937.....	28,422	26,345	26,743	27,624	28,366	29,444	30,202	30,474	30,706	30,143	28,727	27,011	25,274
California.....	1,561	1,370	1,418	1,471	1,551	1,649	1,724	1,702	1,671	1,543	1,619	1,551	1,458
Illinois.....	3,472	3,174	3,194	3,178	3,411	3,659	3,723	3,778	3,727	3,320	3,456	3,529	3,521
Indiana.....	4,577	4,038	4,056	4,416	4,477	4,547	4,807	4,976	5,103	4,712	4,480	4,669	4,648
Maryland.....	1,260	1,187	1,180	1,214	1,263	1,199	1,181	1,278	1,271	1,216	1,340	1,405	1,387
New Jersey.....	3,386	3,294	3,215	3,246	3,239	3,247	3,347	3,297	3,419	3,490	3,571	3,625	3,638
New York.....	1,447	1,254	1,342	1,354	1,420	1,403	1,512	1,442	1,533	1,503	1,504	1,533	1,502
Ohio.....	1,688	1,507	1,432	1,441	1,674	1,848	1,863	1,852	1,772	1,809	1,791	1,699	1,574
Oklahoma.....	650	468	568	657	691	777	860	881	848	670	660	438	304
Pennsylvania.....	4,487	4,142	4,134	4,351	4,560	4,477	4,716	4,869	4,880	4,600	4,534	4,391	4,245
West Virginia.....	2,300	2,060	1,995	2,301	2,342	2,405	2,335	2,355	2,266	2,251	2,297	2,485	2,502

TABLE 8.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	77
Reporting expenditures for plant and equipment.....	71
Value of products:	
Total for the industry.....	\$158,271,647
Reporting expenditures for plant and equipment.....	148,989,690
Expenditures for plant and equipment:	
Total for the industry.....	9,035,247
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	3,292,687
Expenditures for new machinery and operating equipment.....	5,537,547
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	196,643
Expenditures unclassified.....	8,370

TABLE 9.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$27,151,384	\$24,975,007
Finished products.....	20,418,249	17,282,502
Materials, supplies, etc.....	6,733,135	7,692,505
End of year, total.....	29,769,033	30,175,023
Finished products.....	22,210,349	20,913,005
Materials, supplies, etc.....	7,558,684	9,262,018
Value of products for the industry, total.....	158,271,647	162,717,424
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	157,479,450	162,033,474
Value for establishments not reporting inventories.....	792,197	683,950

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939		1939
Number of establishments.....	77	Prime movers—Continued.	
Number of establishments reporting power equipment.....	73	Prime movers not driving generators—Continued.	
Prime movers, aggregate:		Diesel and semi-Diesel engines—	
Number.....	124	Number.....	9
Horsepower.....	27,221	Horsepower.....	825
Prime movers, driving generators, total—		Other internal-combustion engines <sup>2</sup> —	
Number.....	56	Number.....	25
Horsepower.....	18,387	Horsepower.....	2,612
Steam engines—		Prime movers not driving generators, ordinarily idle (included above), horsepower.....	310
Number.....	11	Generators, kilowatt rating, total.....	12,284
Horsepower.....	3,488	Generators, driven by—	
Steam turbines—		Steam engines, kilowatt rating.....	2,437
Number.....	4	Steam turbines, kilowatt rating.....	2,350
Horsepower.....	3,300	Diesel and semi-Diesel engines, kilowatt rating.....	135
Diesel and semi-Diesel engines—		Other internal-combustion engines, <sup>2</sup> kilowatt rating.....	7,362
Number.....	2	Generators, ordinarily idle (included above), kilowatt rating.....	1,455
Horsepower.....	215	Electric motors, total:	
Other internal-combustion engines <sup>2</sup> —		Number.....	18,129
Number.....	39	Horsepower.....	133,531
Horsepower.....	11,384	Driven by purchased energy—	
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	2,086	Number.....	15,294
Prime movers not driving generators, total—		Horsepower.....	113,144
Number.....	68	Driven by energy generated in establishments reporting—	
Horsepower.....	8,334	Number.....	2,835
Steam engines—		Horsepower.....	20,437
Number.....	20	Electric energy (kilowatt-hours):	
Horsepower.....	5,162	Generated in plant.....	42,977,311
Steam turbines—		Sold.....	22,132
Number.....	14	Purchased.....	320,268,976
Horsepower.....	235		

<sup>1</sup> Comparable data for 1929 not available.<sup>2</sup> Gas, gasoline, etc.

# TABLEWARE, PRESSED OR BLOWN GLASS, AND GLASSWARE NOT ELSEWHERE CLASSIFIED

[A preliminary report for this industry was issued December 14, 1940]

**Description of the industry.**—This industry embraces establishments engaged primarily in the manufacture of hand or machine-made pressed or blown glassware; scientific, technical, and industrial glass; glass cooking utensils, lenses, etc., made from raw materials. It does not include glass cutting, beveling, bending, engraving, staining, ornamenting, or making glass labels, except to the extent to which these activities are carried on by the same establishments in which the glass is manufactured. Establishments manufacturing glassware from purchased "blanks" are classified in the Mirrors and Other Glass Products Made of Purchased Glass industry.

This industry was made a separate classification for the 1939 census. The 1937 reports were retabulated

to obtain figures comparable with those for 1939, but this was not done for prior years.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	115	27,330	\$30,114,795	\$27,033,202	\$97,317,363	\$70,284,161	11,454
1937 <sup>4</sup> .....	113	30,046	\$3,701,135	\$27,119,044	\$97,630,597	\$70,520,553	(6)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> No comparable figures available for years prior to 1937.  
<sup>5</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	Indiana	Ohio	Pennsylvania	West Virginia	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	115	7	3	6	18	23	31	27
Proprietors and firm members.....	29	6	.....	.....	3	2	14	4
Persons reported by manufacturing establishments, total <sup>3</sup> .....	31,320	234	476	1,519	10,258	6,983	5,478	6,372
Salaried officers of corporations <sup>4</sup> .....	183	8	6	12	28	40	42	47
Manufacturing:								
Salaried employees <sup>5</sup> .....	2,697	20	28	98	999	518	341	693
Wage earners (average for the year) <sup>4</sup> .....	27,330	193	412	1,377	8,826	6,248	5,010	5,265
Distribution.....	902	13	28	29	308	129	57	338
Construction.....	182	.....	2	3	72	48	10	38
Other.....	26	.....	.....	.....	25	.....	.....	1
Salaries and wages, total <sup>4</sup> .....	\$38,974,956	\$334,019	\$652,360	\$2,159,756	\$12,097,224	\$8,276,134	\$6,531,073	\$8,923,700
Salaried officers <sup>4</sup> .....	1,216,089	40,580	53,825	110,883	153,966	205,205	267,823	293,807
Manufacturing:								
Salaries <sup>5</sup> .....	5,292,508	35,301	33,570	231,136	1,862,500	926,833	636,647	1,596,521
Wages.....	30,114,795	242,180	522,439	1,744,536	9,452,994	6,544,700	5,382,369	6,225,487
Distribution.....	2,070,464	15,958	37,145	63,704	505,740	418,340	224,679	804,868
Construction.....	250,587	.....	5,381	9,497	96,970	90,966	19,691	28,182
Other.....	30,513	.....	.....	.....	25,054	.....	564	4,895
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	\$27,033,202	\$201,796	\$516,677	\$1,476,428	\$11,360,317	\$5,771,232	\$3,460,071	\$4,246,681
Materials, supplies, and containers.....	19,336,632	160,171	372,783	956,606	8,294,575	4,085,495	2,392,705	3,074,207
Fuel.....	6,291,746	31,497	122,284	399,432	2,445,608	1,419,449	881,617	983,559
Purchased electric energy.....	1,316,970	10,128	21,610	111,934	554,820	266,288	176,334	175,856
Contract work.....	87,854	.....	.....	8,366	62,314	.....	9,115	8,069
Value of products.....	97,317,363	642,579	1,428,545	4,682,563	35,424,885	21,241,799	13,300,733	20,537,259
Value added by manufacture <sup>6</sup> .....	70,284,161	440,783	911,868	3,206,135	24,064,568	15,470,567	9,849,662	16,340,578

<sup>1</sup> Arkansas, 1 establishment; Maryland, 1; Massachusetts, 2; New Jersey, 6; New York, 11; Oklahoma, 3; Rhode Island, 1; Tennessee, 1; Texas, 1.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
"Tableware, Pressed or Blown Glass, and Glassware Not Elsewhere Classified" industry, all products, total value.....	\$97,317,363	\$97,639,597
Tableware, pressed or blown glass, and glassware not elsewhere classified made in this industry.....	91,752,929	90,019,900
Miscellaneous products not specified.....	227,322	
Other products (not classified in this industry).....	5,337,112	7,619,697
Tableware, pressed or blown glass, and glassware not elsewhere classified, aggregate value.....	92,654,818	90,893,589
Tableware, pressed or blown glass, and glassware not elsewhere classified made in this industry.....	91,752,929	90,019,900
Tableware, pressed or blown glass, and glassware not elsewhere classified made as secondary products in the "Flat glass" and "Glass containers" industries.....	901,889	873,689

<sup>1</sup> Includes value of medicinal and toilet preparation containers, food product containers, general purpose containers (carboys, pantry jars, etc.), and beverage containers. Statistics for glass block or brick are not included for 1939, but are included for 1937.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 and 1937

PRODUCT	1939	1937
Aggregate value.....	\$92,654,818	\$90,893,589
Machine-made (automatic) tableware, pressed or blown, total value.....	\$28,366,098	\$27,704,842
Tumblers, goblets, and barware:		
Dozens.....	45,208,636	39,653,361
Value.....	\$14,108,368	\$12,563,673
Plates, dishes, and cups and saucers:		
100 pieces.....	2,993,420	3,887,859
Value.....	\$9,563,970	\$12,033,105
Other tableware:		
100 pieces.....	2,151,149	1,418,187
Value.....	\$4,693,760	\$3,108,064
Hand-made tableware, total value.....	\$11,655,462	\$13,377,195
Pressed ware, total value.....	\$6,636,944	\$6,096,703

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

PRODUCT	1939	1937
Hand-made tableware—Continued.		
Pressed ware—Continued.		
Tumblers, goblets, and barware:		
Dozens.....	1,305,316	923,773
Value.....	\$2,400,011	\$1,419,627
Plates, dishes, and cups and saucers:		
100 pieces.....	154,477	113,960
Value.....	\$1,583,646	\$1,428,304
Other tableware:		
100 pieces.....	276,802	324,170
Value.....	\$2,653,287	\$3,248,772
Blown ware, total value.....	\$5,018,518	\$7,280,492
Tumblers, goblets, and barware:		
Dozens.....	2,882,237	4,509,422
Value.....	\$3,863,060	\$6,382,744
Other tableware (bowls, vases, jugs, etc.):		
100 pieces.....	63,093	43,995
Value.....	\$1,155,458	\$897,748
Lighting glassware (pressed and blown), total value.....	\$21,484,048	\$22,289,887
Shades, globes, reflectors, etc., value.....	\$9,165,733	\$9,160,030
Lamp chimneys:		
Dozens.....	1,663,409	2,208,564
Value.....	\$817,489	\$1,380,614
Lantern globes:		
Dozens.....	283,067	275,713
Value.....	\$520,817	\$462,194
Other lighting glassware, including electric-light bulbs and oil lamps, value.....	\$10,980,009	\$11,287,049
Lenses <sup>1</sup> :		
Dozens.....	2,510,713	2,927,403
Value.....	\$2,116,938	\$2,484,575
Technical, scientific, and industrial glass (pressed and blown), total value.....	\$9,952,699	\$10,382,602
Tubing:		
Pounds.....	27,622,513	38,852,630
Value.....	\$4,727,415	\$4,867,480
Insulators, value.....	\$466,594	\$855,510
Other, value.....	\$4,728,690	\$4,659,612
Pressed and blown glassware (including glass cooking ware or ovenware) not specified above, value.....	\$19,079,573	\$14,654,488

<sup>1</sup> So-called lenses for use in headlights, lighthouses, lanterns, etc. Optical lenses are classified in the "Optical instruments and lenses" industry.

<sup>2</sup> Also includes fiber glass products, building glass not elsewhere classified, pressed specialties, etc.

TABLEWARE AND GLASSWARE NOT ELSEWHERE CLASSIFIED

TABLE 5.—NUMBER OF ESTABLISHMENTS AND PRODUCTS BY KIND, QUANTITY, AND VALUE, BY STATES: 1939

KIND AND STATE	Number of establishments	Quantity	Value	KIND AND STATE	Number of establishments	Quantity	Value
<b>MACHINE-MADE (AUTOMATIC) TABLEWARE, PRESSED AND BLOWN</b>				<i>Blown ware—Continued</i>			
Tumblers, goblets, and barware, total	18	<i>Dozens</i> 45,208,636	\$14,108,368	<b>LIGHTING GLASSWARE (PRESSED AND BLOWN)—continued</b>			
Ohio	3	29,233,200	9,137,268	New York	4		\$1,444,762
Pennsylvania	4	2,231,276	742,577	Pennsylvania	10		5,535,444
Other States (Calif., 1 est.; Ind., 1; N. Y., 1; Okla., 1; R. I., 1; W. Va., 6)	11	13,744,160	4,228,523	West Virginia	8		1,274,670
Plates, dishes, and cups and saucers:				Other States (Ill., 1 est.; Mass., 1; N. J., 1; Ohio, 3; R. I., 1)	7		685,397
Ind., 1 est.; N. Y., 1; Ohio, 2; Pa., 3; R. I., 1; W. Va., 1	9	<i>100 pieces</i> 2,993,420	9,563,970	<i>Dozens</i>			
Other tableware, total	15	2,151,149	4,693,760	Lamp chimneys, total	14	1,653,409	817,489
Ohio, 3 est.; Pa., 5	8	993,037	1,433,508	West Virginia	5	550,752	273,266
Other States (Ind., 2 est.; N. Y., 1; Okla., 1; R. I., 1; W. Va., 2)	7	1,158,112	3,260,252	Ind., 1 est.; Pa., 1; Tenn., 1	3	586,352	270,203
<b>HAND-MADE TABLEWARE</b>				Other States (Ark., 1 est.; Calif., 1; N. Y., 1; Okla., 1; R. I., 1; Tex., 1)	6	526,305	274,020
<i>Pressed ware</i>				Lantern globes, total	12	283,067	520,817
Tumblers, goblets, and barware, total	14	<i>Dozens</i> 1,305,316	2,400,011	Ind., 1 est.; N. Y., 1; Ohio, 1	3	151,462	318,267
West Virginia	6	361,000	416,156	Pa., 2 est.; W. Va., 3	5	117,544	184,567
Other States (Ind., 1 est.; Ohio, 3; Okla., 1; Pa., 3)	8	944,316	1,983,855	Other States (Ark., 1 est.; Calif., 1; Okla., 1; R. I., 1)	4	14,061	17,983
Plates, dishes, and cups and saucers:		<i>100 pieces</i>		<b>Other lighting glassware, including electric light bulbs and oil lamps:</b>			
Ind., 1 est.; Ohio, 2; Pa., 2; W. Va., 3	8	154,477	1,583,646	Calif., 2 est.; Ind., 1; N. J., 2; N. Y., 3; Ohio, 4; Okla., 1; Pa., 2; R. I., 1; W. Va., 3	19		10,980,009
Other tableware, total	12	276,802	2,653,287	Lenses, <sup>1</sup> total	13	2,510,713	2,116,938
West Virginia	4	73,224	555,732	Pennsylvania	4	368,505	517,684
Other States (Ind., 2 est.; Ohio, 2; Okla., 1; Pa., 3)	8	203,578	2,097,555	Other States (Ill., 2 est.; Ind., 1; N. Y., 2; Ohio, 2; W. Va., 2)	9	2,142,208	1,599,254
<i>Blown ware</i>				<b>TECHNICAL, SCIENTIFIC, AND INDUSTRIAL GLASS (PRESSED AND BLOWN)</b>			
Tumblers, goblets, and barware, total	20	<i>Dozens</i> 2,882,237	3,863,060	Tubing:			
Ohio	6	997,556	1,734,230	Calif., 1 est.; N. J., 1; N. Y., 5; Ohio, 1; Pa., 1	9	<i>Pounds</i> 27,622,513	4,727,415
West Virginia	9	1,655,302	1,827,206	Insulators:	7		496,594
Other States (Calif., 2 est.; Md., 1; Okla., 1; Pa., 1)	5	199,379	301,624	Calif., 3 est.; Ind., 1; N. J., 1; N. Y., 1; Pa., 1	18		4,728,690
Other tableware (bowls, vases, jugs, etc.), total	13	<i>100 pieces</i> 63,093	1,155,458	Other, total	9		3,978,364
Ohio	3	9,198	133,767	N. J., 3; N. Y., 6	9		750,326
West Virginia	6	50,445	680,318	Other States (Calif., 3 est.; Ind., 1; Ohio, 2; Pa., 2; R. I., 1)	9		19,079,573
Other States (Calif., 1 est.; Mass., 1; N. Y., 1; Pa., 1)	4	3,450	341,373	<b>Pressed and blown glassware (including glass cooking ware or ovenware) not specified above, total</b>			
<b>LIGHTING GLASSWARE (PRESSED AND BLOWN)</b>				Oklahoma	4		57,320
Shades, globes, reflectors, etc., total	33		\$9,165,733	Pennsylvania	9		5,477,375
California	4		225,460	West Virginia	10		788,285
				Ill., 2; Ind., 5	7		2,760,607
				Mass., 2; R. I., 1	3		66,070
				Other States (Calif., 5 est.; N. J., 3; N. Y., 5; Ohio, 5)	18		9,929,916

<sup>1</sup> So-called lenses for use in headlights, lighthouses, lanterns, etc. (optical lenses are classified in the Optical Instruments and Lenses industry).  
<sup>2</sup> Also includes fiber-glass products, building glass not elsewhere classified, pressed specialties, etc.

TABLE 6.—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY, BY KIND AND QUANTITY, BY STATES: 1939 AND 1937 [Tons, 2,000 pounds]

STATE	Silica sand	Soda ash	Salt cake	Lime	Limestone	Feldspar <sup>1</sup>	STATE	Silica sand	Soda ash	Salt cake	Lime	Limestone	Feldspar <sup>1</sup>
United States <sup>2</sup> :							New York:						
1939	287,095	87,922	650	19,535	23,803	33,850	1939	( <sup>3</sup> )	1,921	( <sup>3</sup> )	236	190	998
1937	298,963	97,305	935	22,318	16,340		1937	( <sup>3</sup> )					
California:							Ohio:						
1939	944	330	( <sup>3</sup> )	( <sup>3</sup> )	99	( <sup>3</sup> )	1939	126,713	38,912	228	13,822	8,296	( <sup>3</sup> )
1937	736	302	( <sup>3</sup> )	( <sup>3</sup> )	95	( <sup>3</sup> )	1937	120,904	39,650	381	11,374	4,854	
Illinois:							Pennsylvania:						
1939	2,214	739	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	1939	52,282	14,994	82	2,226	4,209	6,036
1937	2,044	710	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	1937	50,491	15,899	139	1,866	( <sup>3</sup> )	
Indiana:							West Virginia:						
1939	22,792	8,548	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	2,232	1939	48,465	18,255	29	1,235	( <sup>3</sup> )	3,731
1937	32,721	12,066	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )		1937	58,565	20,890	31	1,217	( <sup>3</sup> )	
							Other States:						
							1939	33,685	4,223	311	2,016	11,009	20,853
							1937	33,502	7,788	384	7,861	11,391	

<sup>1</sup> Not called for on schedule for 1937.  
<sup>2</sup> In addition, 375 tons of grinding sand were reported for 1939, and 555 tons for 1937, but the distribution, by States, cannot be given for this material without disclosing data for individual establishments.  
<sup>3</sup> Included in figure for "Other States" to avoid disclosing, exactly or approximately, data reported by individual establishments.

CENSUS OF MANUFACTURES: 1939

TABLE 7.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	27,330	26,340	26,865	27,482	27,370	26,423	26,709	24,995	26,547	27,466	28,281	29,766	29,722
1937.....	30,046	29,107	29,379	30,673	31,664	31,159	31,259	28,901	29,924	30,425	30,447	29,699	27,922
California.....	193	196	201	196	200	199	176	184	193	160	197	216	197
Illinois.....	412	422	459	456	431	361	350	316	353	423	453	457	461
Indiana.....	1,377	1,116	1,186	1,386	1,391	1,395	1,434	1,352	1,424	1,481	1,247	1,562	1,548
New Jersey.....	1,257	1,231	1,225	1,242	1,250	1,221	1,231	1,248	1,233	1,217	1,309	1,338	1,337
New York.....	3,348	3,540	3,385	3,346	3,257	3,111	3,145	2,952	3,057	3,321	3,615	3,691	3,753
Ohio.....	8,826	7,979	8,334	8,582	8,784	8,835	8,911	8,446	9,047	9,204	9,189	9,276	9,326
Oklahoma.....	262	223	230	247	299	305	291	257	242	240	270	272	263
Pennsylvania.....	6,248	6,067	6,194	6,296	6,222	5,659	5,990	5,592	6,033	6,284	6,488	7,139	7,009
West Virginia.....	5,019	5,129	5,223	5,270	5,161	4,944	4,814	4,314	4,714	4,834	5,106	5,363	5,356

TABLE 8.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	115
Reporting expenditures for plant and equipment.....	88
Value of products:	
Total for the industry.....	\$97,317,363
Reporting expenditures for plant and equipment.....	91,266,576
Expenditures for plant and equipment:	
Total for the industry.....	3,069,482
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	649,354
Expenditures for new machinery and operating equipment.....	2,085,762
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	332,895
Expenditures unclassified.....	1,471

TABLE 9.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$12,771,872	\$12,551,228
Finished products.....	9,244,260	8,757,780
Materials, supplies, etc.....	3,527,612	3,793,448
End of year, total.....	12,815,798	14,197,721
Finished products.....	8,913,795	9,656,173
Materials, supplies, etc.....	3,902,003	4,541,548
Value of products for the industry, total.....	97,317,363	97,639,597
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	91,618,092	97,094,695
Value for establishments not reporting inventories.....	5,699,271	544,902

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939	1939
Number of establishments.....	115	
Number of establishments reporting power equipment.....	113	
Prime movers, aggregate:		
Number.....	57	
Horsepower.....	11,454	
Prime movers, driving generators, total—		
Number.....	26	
Horsepower.....	8,136	
Steam engines—		
Number.....	12	
Horsepower.....	3,088	
Steam turbines—		
Number.....	4	
Horsepower.....	2,788	
Diesel and semi-Diesel engines—		
Number.....	1	
Horsepower.....	110	
Other internal-combustion engines <sup>2</sup> —		
Number.....	9	
Horsepower.....	2,150	
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	2,695	
Prime movers not driving generators, total—		
Number.....	31	
Horsepower.....	3,318	
Steam engines—		
Number.....	7	
Horsepower.....	1,431	
Prime movers—Continued.		
Prime movers not driving generators—Continued.		
Steam turbines—		
Number.....		11
Horsepower.....		650
Diesel and semi-Diesel engines—		
Number.....		1
Horsepower.....		240
Other internal-combustion engines <sup>2</sup> —		
Number.....		12
Horsepower.....		997
Prime movers not driving generators, ordinarily idle (included above), horsepower.....		300
Generators, kilowatt rating, total.....		5,379
Generators, driven by—		
Steam engines, kilowatt rating.....		1,940
Steam turbines, kilowatt rating.....		2,000
Diesel and semi-Diesel engines, kilowatt rating.....		7
Other internal-combustion engines, <sup>2</sup> kilowatt rating.....		1,432
Generators, ordinarily idle (included above), kilowatt rating.....		1,793
Electric motors, total:		
Number.....		13,279
Horsepower.....		62,908
Driven by purchased energy:		
Number.....		10,511
Horsepower.....		54,047
Driven by energy generated in establishments reporting:		
Number.....		2,768
Horsepower.....		8,861
Electric energy (kilowatt-hours):		
Generated in plant.....		16,269,840
Purchased.....		126,542,360

<sup>1</sup> Comparative data for 1929 not available.

<sup>2</sup> Gas, gasoline, etc.

# MIRRORS AND OTHER GLASS PRODUCTS MADE OF PURCHASED GLASS

[A preliminary report for this industry was issued December 28, 1940]

**Description of the industry.**—This industry, as classified for census purposes, embraces establishments engaged primarily in the manufacture, from purchased glass as material, of mirrors, both framed and unframed;

and of laminated glass; stained and leaded glass; ornamental and decorated glass; glass novelties; cutting, beveling, and etching of glass.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1939.....	557	10,012	\$10,615,452	\$26,454,765	\$49,886,406	\$23,431,641	1,282
1937.....	534	12,652	13,980,561	40,744,045	88,009,124	47,265,079	(5)
1935.....	532	10,687	10,895,926	29,300,014	68,738,464	39,438,450	(5)
1933.....	425	6,520	5,559,303	18,584,830	32,877,256	14,292,426	(5)
1931.....	610	7,183	8,649,900	17,249,803	36,326,850	10,076,996	(5)
1929.....	735	10,811	14,756,527	31,977,682	65,115,743	33,138,061	1,558
1927.....	650	8,773	12,575,365	24,967,182	53,752,524	28,785,342	1,903
1925.....	628	9,013	12,620,726	33,044,226	62,891,552	29,847,326	2,101
1923.....	629	8,621	10,921,247	31,900,035	58,494,530	26,594,495	(5)
1921.....	642	7,050	8,807,385	20,890,039	38,949,021	18,058,932	(5)
1919.....	802	9,079	8,973,971	26,856,611	49,274,096	22,417,485	3,208
1914.....	817	11,251	6,638,181	13,156,579	26,635,270	13,478,691	5,522
1909.....	731	12,356	7,012,674	12,151,150	25,671,926	13,520,776	5,373
1904.....	572	11,028	5,734,006	9,208,513	20,743,088	11,534,575	4,754
1899.....	614	7,469	3,625,400	8,530,661	16,754,343	8,228,682	3,208

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Connecticut	Florida	Illinois	Indiana	Maryland	Massachusetts	Michigan	Minnesota	Missouri
Number of establishments <sup>1</sup> .....	557	44	9	4	47	11	15	18	17	6	18
Proprietors and firm members.....	369	36	-----	-----	32	3	17	11	5	6	15
Persons reported by manufacturing establishments, total <sup>2</sup> .....	12,195	418	328	22	1,574	369	206	264	393	18	215
Salaried officers of corporations <sup>2</sup> .....	472	21	12	3	39	13	6	11	18	-----	18
Manufacturing:											
Salaried employees <sup>2</sup> .....	930	31	19	5	104	51	21	19	35	-----	24
Wage earners (average for the year) <sup>2</sup> .....	10,012	302	290	14	1,278	288	174	216	292	18	157
Distribution.....	720	64	7	-----	125	16	5	18	39	-----	21
Construction.....	20	-----	-----	-----	3	1	-----	-----	5	-----	-----
Other.....	41	-----	-----	-----	25	-----	-----	-----	4	-----	-----
Salaries and wages, total <sup>2</sup> .....	\$15,168,351	\$721,470	\$295,859	\$18,364	\$1,777,564	\$410,298	\$222,438	\$413,637	\$534,343	\$23,817	\$315,133
Salaried officers <sup>2</sup> .....	1,744,957	67,303	45,978	2,560	213,520	54,334	12,265	64,619	63,045	-----	33,514
Manufacturing:											
Salaries <sup>2</sup> .....	1,550,920	45,714	26,446	3,660	171,419	79,296	30,147	33,550	54,815	-----	36,862
Wages.....	10,615,452	508,923	208,079	12,644	1,127,851	248,565	171,573	290,180	346,270	23,817	212,140
Distribution.....	1,196,879	99,530	15,356	-----	230,987	27,534	8,453	25,288	64,010	-----	32,658
Construction.....	14,954	-----	-----	-----	4,474	509	-----	-----	3,552	-----	-----
Other.....	45,189	-----	-----	-----	29,313	-----	-----	-----	1,742	-----	-----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	26,454,765	905,228	340,013	20,874	2,162,663	684,066	465,528	351,615	1,288,174	29,309	581,343
Materials, supplies, and containers.....	25,651,051	876,817	315,607	19,900	2,068,822	658,217	454,542	334,160	1,259,495	27,478	571,975
Fuel.....	329,617	8,438	18,187	450	34,477	16,055	7,596	5,464	10,006	-----	5,004
Purchased electric energy.....	397,460	14,564	6,219	524	37,285	9,794	3,890	10,821	11,083	-----	3,599
Contract work.....	76,637	5,409	-----	-----	22,079	-----	-----	1,170	600	-----	105
Value of products.....	49,886,406	2,056,118	855,745	46,733	4,766,007	1,308,974	847,433	956,079	2,579,419	82,802	1,087,876
Value added by manufacture <sup>4</sup> .....	23,431,641	1,150,890	515,732	25,859	2,603,344	624,908	381,905	604,464	1,291,245	53,493	500,533

See footnotes at end of table.

## CENSUS OF MANUFACTURES: 1939

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	New Jersey	New York	North Carolina	Ohio	Pennsylvania	Tennessee	Texas	Virginia	Washington	West Virginia	Wisconsin	Other States <sup>5</sup>
Number of establishments <sup>1</sup> .....	38	169	9	31	53	4	9	7	8	9	10	21
Proprietors and firm members.....	25	123	2	13	45	2	7	-----	4	5	3	15
Persons reported by manufacturing establishments, total <sup>2</sup> .....	956	2,914	339	2,005	1,071	117	85	310	46	173	74	297
Salaried officers of corporations <sup>2</sup> .....	40	176	17	27	29	-----	1	11	1	4	19	11
Manufacturing:												
Salaried employees <sup>2</sup> .....	67	203	22	143	92	11	4	21	6	15	6	31
Wage earners (average for the year) <sup>2</sup> .....	813	2,297	298	1,794	877	102	69	273	31	149	47	232
Distribution.....	31	228	2	41	66	4	11	5	7	5	2	23
Construction.....	4	1	-----	-----	6	-----	-----	-----	-----	-----	-----	-----
Other.....	1	9	-----	-----	1	-----	-----	-----	1	-----	-----	-----
Salaries and wages, total <sup>2</sup> .....	\$1,097,974	\$3,682,972	\$329,099	\$2,847,031	\$1,221,038	\$109,258	\$110,305	\$349,614	\$72,309	\$157,809	\$87,301	\$370,168
Salaried officers <sup>2</sup> .....	154,381	603,059	67,503	105,030	90,525	-----	8,850	53,459	3,000	20,392	36,918	43,802
Manufacturing:												
Salaries <sup>2</sup> .....	95,185	334,786	30,260	239,422	168,149	22,653	8,590	42,162	4,470	20,451	6,322	46,611
Wages.....	803,674	2,352,986	225,696	2,388,364	849,753	80,647	77,553	224,439	56,970	113,152	42,879	249,279
Distribution.....	42,473	380,301	5,640	63,631	108,945	5,958	14,420	29,554	6,669	3,814	1,182	30,476
Construction.....	2,149	2,195	-----	-----	2,015	-----	-----	-----	-----	-----	-----	-----
Other.....	112	9,695	-----	584	1,651	-----	892	-----	1,200	-----	-----	-----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	1,226,438	4,493,609	1,368,068	7,646,016	1,836,886	284,947	154,376	1,386,105	81,222	231,050	65,595	851,640
Materials, supplies, and containers.....	1,161,945	4,291,597	1,349,347	7,510,677	1,770,655	279,952	150,099	1,366,707	78,226	216,194	60,804	827,835
Fuel.....	35,703	64,890	10,651	42,976	28,667	2,687	741	8,069	871	7,533	2,903	9,736
Purchased electric energy.....	26,778	100,355	8,070	89,184	33,233	2,308	3,536	11,329	1,561	7,323	1,888	14,069
Contract work.....	2,012	36,767	-----	3,179	4,331	-----	-----	564	-----	-----	-----	-----
Value of products.....	2,864,892	10,605,522	1,838,562	10,962,291	3,817,623	508,010	338,959	2,045,655	186,224	555,840	169,247	1,506,395
Value added by manufacture <sup>4</sup> .....	1,638,454	6,011,913	470,494	3,316,275	1,980,737	223,063	184,683	659,550	105,002	324,790	103,652	654,755

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>5</sup> Alabama, 1 establishment; Arkansas, 1; Colorado, 2; District of Columbia, 1; Georgia, 1; Iowa, 2; Kentucky, 3; Louisiana, 3; Nebraska, 1; Oregon, 3; Rhode Island, 2; Utah, 1.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Mirrors and Other Glass Products Made of Purchased Glass industry, all products, total value.....	\$49,886,406	\$88,009,124
Mirrors and other glass products made of purchased glass made in this industry.....	48,075,919	86,436,176
Receipts for contract and repair work.....	449,350	428,590
Miscellaneous products not specified.....	424,113	1,144,358
Other products (not classified in this industry).....	1,937,024	-----
Mirrors and other glass products made of purchased glass, total value.....	80,364,969	116,858,943
Mirrors and other glass products of purchased glass made in this industry.....	48,075,919	86,436,176
Mirrors and other glass products of purchased glass made as secondary products in other industries.....	32,289,050	30,422,767

<sup>1</sup> Includes, in order of value, fitted pictures, bimetallic thermometers, mirror frames, and machines for inserting watch crystals.

TABLE 4.—PRODUCTS, BY KIND AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939			1937
	Produced in the industry	Produced in other industries	Total	
Mirrors and other glass products made of purchased glass, total value.....	\$48,075,919	\$32,289,050	\$80,364,969	\$116,858,943
Mirrors, total value.....	18,594,494	607,951	19,202,445	19,473,877
Plate glass, total.....	14,234,036	15,500	14,249,536	15,517,401
Framed.....	(1)	(1)	3,647,286	3,213,818
Unframed.....	(1)	(1)	10,602,250	12,303,583
Other than plate glass, total.....	4,360,458	592,451	4,952,909	3,956,476
Framed.....	791,369	99,285	890,654	889,715
Unframed.....	3,569,089	493,166	4,062,255	3,066,761
Outware.....	2,939,834	-----	2,939,834	3,200,840
Decorated glassware (engraved, etched, chipped, etc.).....	(1)	(1)	2,508,334	3,943,737
Scientific-apparatus glass (for laboratories, hospitals, druggists, etc.).....	2,760,234	38,538	2,798,772	2,171,624
Watch crystals.....	(1)	(1)	890,369	743,765
Laminated glass (principally safety glass).....	9,464,848	30,930,377	40,395,225	76,504,803
Glass mosaics.....	78,908	-----	78,908	12,951
Automobile glass other than safety (cut, beveled, and polished).....	644,543	-----	644,543	600,037
Plate glass (beveled and polished).....	1,936,535	-----	1,936,535	2,222,651
Sheet glass, bent.....	(1)	(1)	380,273	537,440
Other glass products, and glass products not reported by kind.....	8,263,455	326,276	8,589,731	8,047,218

<sup>1</sup> Included in total to avoid disclosing, exactly or approximately, data reported by individual establishments.<sup>2</sup> This figure represents the production of "Laminated glass (principally safety glass)" in the "Flat glass" industry.

MIRRORS AND OTHER GLASS PRODUCTS MADE OF PURCHASED GLASS

TABLE 5.—NUMBER OF ESTABLISHMENTS AND PRODUCTS, BY KIND AND VALUE, BY STATES: 1939

KIND AND STATE	Number of establishments	Value	KIND AND STATE	Number of establishments	Value
<b>MIRRORS</b>			<b>OTHER PRODUCTS—continued</b>		
<i>Plate glass mirrors</i>			Scientific-apparatus glass (for laboratories, hospitals, druggists, etc.), total		
Framed, total	120	\$3,647,286		56	\$2,798,772
California	12	217,768	Illinois	6	133,284
Illinois	8	697,262	New Jersey	14	1,412,967
Maryland	4	47,832	New York	12	299,425
Michigan	5	16,229	Pennsylvania	12	501,868
New York	33	945,648	Other States (Calif., 2 est.; Conn., 2; Ind., 1; Md., 2; Mass., 3; Mich., 1; Wis., 1)	12	451,238
Pennsylvania	13	169,490	Watch crystals, total	18	890,369
Tennessee	3	155,398	New York	11	697,198
Ark., 1 est.; Iowa, 1; Ky., 2; Tex., 3	7	385,615	Other States (Calif., 1 est.; Conn., 2; Ill., 1; Ind., 1; Ohio, 2)	7	193,171
Ind., 3 est.; Ohio, 9	12	458,059	Laminated glass (principally safety glass), total	50	140,395,225
Mass., 2 est.; N. J., 5; Va., 3	10	490,114	Texas	3	12,438
Other States (Colo., 1 est.; D. C., 1; Fla., 1; Mo., 2; Oreg., 2; Wash., 2; W. Va., 2; Wis., 2)	13	63,871	Ill., 4 est.; Mich., 6; Minn., 1; Mo., 2; Ohio, 6; Pa., 7	26	40,232,121
Unframed, total	222	10,602,250	Md., 2 est.; Va., 1; W. Va., 1	4	24,461
California	23	640,039	N. J., 1 est.; N. Y., 6	7	42,695
Illinois	17	1,019,170	Other States (Calif., 5 est.; Fla., 1; Ind., 1; Tenn., 1; Wash., 2)	10	83,510
Indiana	6	301,687	Glass mosaics, total	7	78,908
Maryland	4	69,850	Ill., 1 est.; Mo., 1; Ohio, 1	3	31,517
Michigan	8	340,526	Other States (Calif., 2 est.; Conn., 1; N. Y., 1)	4	44,391
Missouri	7	182,532	Automobile glass other than safety (cut, beveled, and polished), total	53	644,543
New York	52	2,048,170	California	8	75,892
North Carolina	8	1,692,489	Ohio	5	3,359
Ohio	12	363,262	Texas	4	41,720
Pennsylvania	23	653,628	Washington	4	4,240
Tennessee	4	156,548	Conn., 1 est.; N. J., 2; N. Y., 4	7	12,077
Texas	6	154,661	Other States (Colo., 1 est.; Fla., 2; Ill., 4; Ind., 1; Iowa, 1; La., 1; Md., 2; Mich., 2; Mo., 3; Pa., 2; Tenn., 2; Utah, 1; Va., 1; W. Va., 2)	25	507,225
Virginia	7	1,756,758	Plate glass (beveled and polished), total	115	1,936,535
Washington	6	59,507	California	15	258,922
Wisconsin	5	89,016	Illinois	9	282,489
Ala., 1 est.; Ark., 1; Fla., 2; Ga., 1; La., 1	6	127,065	Maryland	4	240,663
D. C., 1 est.; N. J., 9; W. Va., 3	13	484,381	New Jersey	4	24,465
Iowa, 1 est.; Ky., 2; Minn., 2	5	152,026	New York	22	380,398
Other States (Colo., 2 est.; Mass., 5; Oreg., 2; Utah, 1)	10	310,935	Ohio	7	74,985
Framed, total	95	890,654	Pennsylvania	12	240,219
California	10	92,804	Texas	5	19,316
Illinois	7	52,544	Wisconsin	5	5,093
Massachusetts	9	36,978	Ind., 1 est.; Iowa, 1; Mich., 2; Mo., 4	8	82,628
Michigan	5	17,467	Tenn., 2 est.; Va., 2; W. Va., 2	6	85,906
Pennsylvania	12	128,886	Other States (Ala., 1 est.; Conn., 2; D. C., 1; Fla., 1; Ga., 1; N. C., 1; Oreg., 2; Utah, 1; Wash., 4)	14	234,950
Ark., 1 est.; Ky., 2; Tenn., 1	4	47,538	Sheet glass, bent, total	26	380,273
D. C., 1 est.; Md., 1; Va., 2	4	14,113	California	5	13,666
Ind., 2 est.; Ohio, 2	4	35,365	New York	7	45,697
Other States (Colo., 1 est.; Conn., 3; Fla., 1; Minn., 2; Mo., 1; N. Y., 26; Oreg., 3; Vt., 1; Wash., 1; W. Va., 1)	40	464,959	Pennsylvania	4	39,763
Unframed, total	156	4,062,255	Other States (Conn., 2 est.; Ill., 1; Ind., 1; Md., 2; N. J., 1; Ohio, 2; W. Va., 1)	10	281,147
California	14	134,715	Other glass products, and glass products not reported by kind, total	216	8,589,731
Connecticut	3	224,882	California	13	260,006
Illinois	13	594,029	Illinois	24	922,786
New Jersey	9	160,464	Maryland	4	78,281
New York	43	1,328,473	Massachusetts	11	422,716
Ohio	10	238,570	Michigan	3	69,705
Pennsylvania	14	421,162	Minnesota	3	36,833
Texas	5	40,351	Missouri	11	613,279
Ala., 1 est.; La., 2	3	121,727	New Jersey	16	516,250
Ind., 5 est.; Ky., 2	7	488,398	New York	54	1,645,661
Iowa, 1 est.; Mo., 1; Nebr., 1	3	17,888	Pennsylvania	17	434,706
Mich., 6 est.; Minn., 1; Wis., 2	9	58,901	Texas	4	30,753
N. C., 2 est.; Tenn., 3	5	150,247	West Virginia	6	424,630
Oreg., 3 est.; Wash., 5	8	34,647	Wisconsin	4	57,254
Va., 2 est.; W. Va., 3	5	18,286	Conn., 2 est.; E. I., 1; Vt., 1	4	78,420
Other States (Ark., 1 est.; Colo., 1; Fla., 1; Md., 2)	5	29,515	Fla., 3 est.; Ga., 1	4	47,357
OTHER PRODUCTS			Ind., 4 est.; Ohio, 12	16	2,716,892
Cutware, total	28	2,939,834	Iowa, 2 est.; Nebr., 1	3	52,250
Maryland	4	229,096	N. C., 1 est.; Tenn., 2	3	102,649
Conn., 1 est.; N. J., 1; N. Y., 6; Pa., 2	10	1,804,002	Other States (Ala., 1 est.; D. C., 1; Ky., 1; Ore., 2; Utah, 1; Va., 1; Wash., 4)	11	49,213
Ill., 1 est.; Ind., 1; Minn., 1; Mo., 1	4	48,329			
Ohio, 6 est.; W. Va., 1	7	800,871			
Other States (Calif., 2 est.; R. I., 1)	3	57,536			
Decorated glassware (engraved, etched, chipped, etc.), total	57	2,508,334			
California	9	98,783			
New York	17	934,433			
Ohio	6	578,029			
Washington	3	41,640			
Mass., 2 est.; N. J., 4	6	71,652			
Va., 5 est.; W. Va., 4	9	258,442			
Other States (Conn., 2 est.; Ill., 1; Mich., 2; Mo., 1; Tex., 1)	7	525,355			

<sup>1</sup>Value of production in Mirrors and Other Glass Products industry and in the Flat Glass industry.

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	10,012	9,334	9,576	9,519	9,483	9,141	9,101	9,419	9,785	10,501	11,359	11,718	11,202
1937.....	12,652	12,015	12,896	13,007	12,982	12,736	12,572	12,494	12,575	12,800	13,004	12,769	11,980
1929.....	10,811	10,954	11,329	11,409	11,012	10,576	10,390	10,582	10,955	11,028	10,737	10,557	10,197
California.....	302	279	287	292	290	291	317	310	301	302	310	310	330
Connecticut.....	290	264	262	268	273	278	271	255	289	309	301	356	351
Florida.....	14	14	13	13	12	13	13	14	15	15	15	16	16
Illinois.....	1,278	1,197	1,256	1,272	1,230	1,183	1,147	1,133	1,251	1,360	1,442	1,436	1,380
Indiana.....	288	282	275	290	280	278	294	293	287	301	328	342	209
Kentucky.....	58	58	50	53	55	52	48	43	52	58	78	78	70
Maryland.....	174	169	177	176	192	157	156	158	157	187	186	189	189
Massachusetts.....	216	203	212	210	210	211	216	214	214	218	228	227	224
Michigan.....	292	228	264	267	258	248	244	264	272	325	334	394	406
Minnesota.....	18	18	18	18	18	18	17	18	17	18	19	18	18
Missouri.....	157	122	118	137	138	150	159	172	160	167	192	183	184
New Jersey.....	813	675	732	693	724	743	762	806	807	919	984	1,000	848
New York.....	2,297	2,115	2,220	2,289	2,254	2,203	2,132	2,130	2,229	2,381	2,519	2,598	2,498
North Carolina.....	298	281	304	303	302	296	282	289	286	303	311	314	307
Ohio.....	1,794	1,839	1,746	1,600	1,619	1,387	1,401	1,579	1,685	1,852	2,243	2,314	2,269
Oregon.....	27	26	25	26	27	27	27	26	28	27	30	28	30
Pennsylvania.....	877	798	826	817	808	823	833	880	856	896	973	1,024	987
Tennessee.....	102	99	100	101	101	98	100	98	99	104	108	108	108
Texas.....	69	69	69	69	68	69	69	70	70	70	70	70	70
Virginia.....	273	249	257	261	267	260	258	266	274	284	287	301	308
Washington.....	31	30	28	30	31	29	30	30	31	34	35	34	33
West Virginia.....	149	129	143	144	141	135	129	138	155	172	164	174	164
Wisconsin.....	47	45	45	44	45	43	47	46	46	48	48	49	48

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	557
Reporting expenditures for plant and equipment.....	239
Value of products:	
Total for the industry.....	\$49,886,406
Reporting expenditures for plant and equipment.....	34,734,827
Expenditures for plant and equipment:	
Total for the industry.....	1,390,260
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	162,282
Expenditures for new machinery and operating equipment.....	1,198,611
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	28,961
Expenditures unclassified.....	406

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$5,934,524	\$6,929,648
Finished products.....	2,160,868	2,264,775
Materials, supplies, etc.....	3,773,656	4,664,873
End of year, total.....	6,065,775	9,133,755
Finished products.....	2,210,161	4,318,161
Materials, supplies, etc.....	3,855,614	4,815,594
Value of products for the industry, total.....	49,886,406	88,009,124
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	46,222,055	86,204,381
Value for establishments not reporting inventories.....	3,664,351	1,804,743

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929		1939	1929
Number of establishments.....	557	735	Prime movers—Continued.		
Number of establishments reporting power equipment.....	554	646	Prime movers not driving generators—Con.		
Prime movers, aggregate:			Other internal-combustion engines <sup>1</sup> —		
Number.....	14	31	Number.....	2	(2)
Horsepower.....	1,282	1,558	Horsepower.....	48	
Prime movers, driving generators, total—			Hydroturbines and water wheels—		
Number.....	6	131	Number.....	1	(2)
Horsepower.....	825	1,558	Horsepower.....	8	
Steam engines—			Generators, kilowatt rating, total.....	550	274
Number.....	5	125	Generators, driven by—		
Horsepower.....	725	1,443	Steam engines, kilowatt rating.....	485	(2)
Steam turbines—			Diesel and semi-Diesel engines, kilowatt rating.....	65	
Number.....		1	Electric motors, total:		
Horsepower.....		15	Number.....	6,130	3,775
Diesel and semi-Diesel engines—			Horsepower.....	13,804	12,836
Number.....	1	15	Driven by purchased energy—		
Horsepower.....	100	110	Number.....	5,915	3,730
Prime movers not driving generators, total—			Horsepower.....	13,375	12,613
Number.....	8	(2)	Driven by energy generated in establishments reporting—		
Horsepower.....	457	(2)	Number.....	215	45
Steam engines—			Horsepower.....	429	223
Number.....	3	(2)	Electric energy (kilowatt-hours):		
Horsepower.....	341	(2)	Generated in plant.....	508,000	(4)
Diesel and semi-Diesel engines—			Purchased.....	18,919,763	11,411,280
Number.....	2	(2)			
Horsepower.....	60	(2)			

<sup>1</sup> Includes data for prime movers not driving generators.

<sup>2</sup> Not called for on schedule.

<sup>3</sup> Gas, gasoline, etc.

<sup>4</sup> Data not available.

# CEMENT

[A preliminary report for this industry was issued November 13, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of Portland, natural, masonry, and puzzolan cements. No detailed statistics for the quantities and values of the several kinds of cement are compiled by the Bureau of the Census as such statistics are published annually by the Bureau of Mines, Department of Interior. (See table 4.)

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1904 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1939	160	23,801	\$31,538,404	\$68,529,756	\$192,611,304	\$124,081,548	554,650
1937	158	26,426	34,070,128	69,979,215	183,201,048	113,221,833	(6)
1935	153	20,698	20,903,694	43,089,288	120,417,129	77,327,841	(6)
1933	148	15,829	13,869,605	26,931,839	86,921,018	59,989,179	(6)
1931	164	24,317	29,883,507	56,097,888	148,845,075	92,747,187	(6)
1929	174	33,368	48,849,096	95,242,497	267,509,260	172,266,763	608,035
1927	161	36,322	53,110,745	120,012,025	293,565,293	173,553,268	525,042
1925	145	38,437	53,911,519	114,168,909	300,885,070	186,726,101	445,447
1923	133	35,091	49,707,992	100,766,747	264,098,497	163,331,750	339,143
1921	125	26,231	34,415,677	102,359,637	203,626,929	101,267,292	(6)
1919	123	25,524	33,194,920	79,509,800	175,264,910	95,755,110	306,322
1914	133	27,910	18,192,282	51,936,798	101,756,444	49,700,646	326,033
1909	135	26,775	15,319,662	20,343,791	63,205,455	33,801,664	317,633
1904 <sup>5</sup>	129	17,478	8,814,077	12,215,113	29,873,122	17,658,000	143,813

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

<sup>7</sup> Not strictly comparable with figures for other years for the reason that the cost of containers (nonreturnable) sold with products is excluded for 1923 and included for other years.

<sup>8</sup> No comparable data for 1899.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Alabama	California	Illinois	Indiana	Iowa	Kansas	Michigan
Number of establishments <sup>1</sup>	160	8	10	5	5	5	7	9
Proprietors and firm members	1						1	
Persons reported by manufacturing establishments, total <sup>2</sup>	28,197	1,210	1,851	1,114	1,310	1,332	958	1,041
Salaried officers of corporations <sup>3</sup>	116	5	5	2	4	6	5	7
Manufacturing:								
Salaried employees <sup>4</sup>	2,652	107	252	88	122	86	109	123
Wage earners (average for the year) <sup>5</sup>	23,801	1,033	1,486	1,022	1,079	1,188	762	1,082
Distribution	1,066	45	65		71	49	71	121
Construction	529	20	43	2	33	8	11	8
Other	33				1			
Salaries and wages, total <sup>6</sup>	\$42,582,657	\$1,612,224	\$3,331,548	\$1,610,075	\$2,032,819	\$2,002,589	\$1,369,118	\$3,171,217
Salaried officers <sup>7</sup>	943,029	63,943	37,650	2,800	38,428	74,591	33,668	60,695
Manufacturing:								
Salaries <sup>8</sup>	6,465,170	243,348	668,871	221,412	327,178	206,512	254,208	328,309
Wages	31,588,404	1,178,270	2,378,839	1,356,731	1,371,241	1,570,307	908,507	2,442,753
Distribution	2,680,442	99,579	190,518		199,850	129,850	153,528	323,391
Construction	860,116	27,084	55,670	28,132	94,993	21,329	10,342	7,000
Other	45,496				1,129		2,865	
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	68,529,756	3,136,216	7,176,107	2,187,072	2,913,006	2,537,538	1,591,068	4,174,890
Materials, supplies, and containers	34,034,358	1,652,605	3,685,143	966,384	1,712,695	1,254,009	818,937	2,197,335
Fuel	24,164,457	783,593	2,158,613	806,612	1,019,515	1,130,922	680,606	1,857,641
Purchased electric energy	9,908,469	695,018	1,327,569	119,482	180,796	85,524	91,525	116,864
Contract work	422,472		4,782	294,594		66,783		
Value of products	192,611,304	7,989,177	16,120,037	7,112,174	10,311,977	8,529,107	6,137,101	11,299,757
Value added by manufacture <sup>9</sup>	124,081,548	4,852,961	8,943,930	4,925,102	7,398,971	5,991,569	4,549,093	7,124,867

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1939

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	Missouri	New York	Ohio	Pennsylvania	Tennessee	Texas	Washington	Other States <sup>1</sup>
Number of establishments <sup>1</sup>	5	12	11	27	6	10	6	34
Proprietors and firm members								
Persons reported by manufacturing establishments, total <sup>2</sup>	1,166	1,682	1,534	5,986	886	1,507	638	5,082
Salaried officers of corporations <sup>2</sup>		10	7	23	10	5	2	25
Manufacturing:								
Salaried employees <sup>2</sup>	127	172	167	524	64	169	88	454
Wage earners (average for the year) <sup>3</sup>	1,039	1,335	1,281	5,158	733	1,260	546	4,202
Distribution		103	52	143	45	59	2	240
Construction		62	19	121	34	14		154
Other			8	17				7
Salaries and wages, total <sup>2</sup>	\$1,742,380	\$2,766,782	\$2,275,066	\$9,201,513	\$1,200,118	\$2,048,585	\$1,179,008	\$7,089,615
Salaried officers <sup>2</sup>		80,505	60,286	188,175	82,887	28,837	12,300	169,264
Manufacturing:								
Salaries <sup>2</sup>	282,197	423,916	396,138	1,281,035	174,561	411,442	224,111	1,021,872
Wages	1,460,183	1,894,762	1,653,182	7,217,164	781,745	1,424,423	936,903	5,012,894
Distribution		293,235	138,911	280,842	134,546	167,488	4,285	564,919
Construction		74,364	16,273	209,381	26,379	16,395	1,409	264,366
Other			10,276	24,916				6,310
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	2,521,123	4,408,753	3,181,065	14,197,209	1,660,850	3,935,364	2,855,616	12,053,879
Materials, supplies, and containers	1,178,115	2,148,360	1,892,601	6,915,631	742,356	1,963,377	1,021,459	5,885,271
Fuel	741,225	1,474,451	1,029,393	4,853,097	452,609	1,217,498	1,387,419	4,566,203
Purchased electric energy	601,783	785,942	259,071	2,412,545	465,825	754,489	446,708	1,562,028
Contract work				15,936				40,377
Value of products	7,933,691	10,596,449	8,603,787	37,442,297	5,611,453	12,726,180	8,421,286	33,776,831
Value added by manufacture <sup>4</sup>	5,412,568	6,187,096	5,422,722	23,245,088	3,950,603	8,790,816	5,565,670	21,722,952

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>5</sup> Arkansas, 1 establishment; Colorado, 2; Florida, 1; Georgia, 2; Idaho, 2; Kentucky, 1; Louisiana, 1; Maine, 1; Maryland, 2; Minnesota, 2; Montana, 1; Nebraska, 2; New Jersey, 1; Oklahoma, 2; Oregon, 3; South Dakota, 1; Utah, 2; Virginia, 2; West Virginia, 3; Wisconsin, 1; Wyoming, 1.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939, 1937, AND 1929

No detailed production figures are compiled by the Bureau of the Census for this industry. Production figures published by the Bureau of Mines, Department of the Interior, are given in table 4.

TABLE 4.—PRODUCTION BY KIND AND QUANTITY, AND SHIPMENTS BY QUANTITY AND VALUE, FOR THE UNITED STATES: 1939, 1937, AND 1929

[Figures from annual reports of the Bureau of Mines, Department of the Interior]

	Production (barrels)	SHIPMENTS	
		Barrels	Value
Total:			
1939	124,668,284	125,056,594	\$184,254,932
1937	118,075,351	115,678,182	171,414,093
1929	172,855,501	172,027,452	255,104,506
Portland cement:			
1939	122,259,154	122,651,459	180,893,208
1937	116,174,708	113,804,782	168,835,208
1929	170,646,036	169,368,322	252,153,789
Natural, puzzolan, and masonry cement:			
1939	2,439,110	2,405,135	3,361,724
1937	1,900,643	1,873,400	2,578,885
1929	2,209,465	2,159,130	2,950,717

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939	23,801	18,441	19,504	21,743	23,372	23,962	25,744	26,170	26,134	25,629	25,943	25,237	23,737
1937	26,426	23,229	23,873	26,195	27,380	27,908	28,147	28,174	28,041	27,984	27,335	25,730	23,117
1929	33,368	31,257	30,915	32,464	33,776	34,948	35,585	35,539	35,690	34,613	33,461	32,167	30,002
Alabama	1,033	893	1,076	1,022	1,004	1,095	1,000	1,117	999	1,009	1,129	1,009	1,039
California	1,486	1,445	1,334	1,350	1,354	1,553	1,589	1,687	1,589	1,610	1,547	1,547	1,370
Illinois	1,022	752	894	905	962	1,066	1,124	1,118	1,133	1,122	1,121	1,084	986
Indiana	1,079	915	1,013	1,000	884	921	1,142	1,261	1,302	1,181	1,113	1,152	1,062
Iowa	1,183	1,078	800	782	996	1,290	1,318	1,324	1,330	1,357	1,351	1,317	1,254
Kansas	762	683	665	733	771	802	822	821	792	717	788	787	764
Michigan	1,632	1,345	1,273	1,351	1,590	1,678	1,864	1,880	1,849	1,849	1,829	1,833	1,820
Missouri	1,039	907	1,025	1,022	1,044	1,054	1,049	1,052	1,052	1,050	1,061	1,064	1,063
New York	1,335	785	775	1,015	1,361	1,417	1,573	1,582	1,622	1,631	1,625	1,420	1,213
Ohio	1,281	920	940	1,162	1,230	1,266	1,409	1,488	1,475	1,519	1,469	1,367	1,127
Pennsylvania	5,158	3,297	3,948	5,094	5,217	4,897	5,701	5,806	5,794	5,533	5,663	5,604	5,340
Tennessee	733	550	563	709	744	749	794	784	779	791	794	776	764
Texas	1,260	1,293	1,299	1,094	1,368	1,392	1,360	1,225	1,267	1,255	1,304	1,173	1,089
Washington	546	464	430	534	557	565	590	591	577	573	576	569	530
West Virginia	251	180	187	196	204	209	306	314	308	277	303	306	226

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	160
Reporting expenditures for plant and equipment.....	145
Value of products:	
Total for the industry.....	\$192,611,304
Reporting expenditures for plant and equipment.....	181,109,437
Expenditures for plant and equipment:	
Total for the industry.....	7,912,779
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	2,849,620
Expenditures for new machinery and operating equipment.....	4,731,386
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	331,773

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$45,060,329	\$41,817,403
Finished products.....	21,117,384	18,955,273
Materials, supplies, etc.....	23,942,945	22,862,130
End of year, total.....	45,828,770	47,495,160
Finished products.....	20,303,593	22,134,789
Materials, supplies, etc.....	25,525,177	25,360,371
Value of products for the industry, total.....	192,611,304	183,201,048
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	190,305,301	181,983,657
Value for establishments not reporting inventories.....	2,306,003	1,217,391

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments.....	160	174
Number of establishments reporting power equipment.....	157	173
Prime movers, aggregate:		
Number.....	307	454
Horsepower.....	554,650	608,935
Prime movers, driving generators, total—		
Number.....	198	1 454
Horsepower.....	529,499	1 608,935
Steam engines—		
Number.....	34	1 205
Horsepower.....	80,181	1 109,697
Steam turbines—		
Number.....	133	1 186
Horsepower.....	475,748	1 475,637

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929—Continued

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators—Continued.		
Diesel and semi-Diesel engines—		
Number.....	18	
Horsepower.....	17,245	1 52
Other internal-combustion engines <sup>2</sup> —		
Number.....	9	1 16,901
Horsepower.....	3,825	
Hydroturbines and water wheels—		
Number.....	4	1 11
Horsepower.....	2,500	1 6,700
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	51,405	
Prime movers not driving generators, total—		
Number.....	109	
Horsepower.....	25,151	
Steam engines—		
Number.....	39	
Horsepower.....	18,077	
Steam turbines—		
Number.....	23	( <sup>3</sup> )
Horsepower.....	3,875	
Diesel and semi-Diesel engines—		
Number.....	8	
Horsepower.....	603	
Other internal-combustion engines <sup>2</sup> —		
Number.....	39	
Horsepower.....	2,596	
Hydroturbines and water wheels—		
Number.....		
Horsepower.....		
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	1,025	
Generators, kilowatt rating, total.....	378,426	417,220
Generators, driven by—		
Steam engines, kilowatt rating.....	22,320	
Steam turbines, kilowatt rating.....	339,921	
Diesel and semi-Diesel engines, kilowatt rating.....	11,680	
Other internal-combustion engines, <sup>2</sup> kilowatt rating.....	2,305	( <sup>3</sup> )
Hydroturbines and water wheels, kilowatt rating.....	2,200	
Generators, ordinarily idle (included above), kilowatt rating.....	34,675	( <sup>4</sup> )
Electric motors, total:		
Number.....	30,612	25,815
Horsepower.....	1,335,231	1,149,041
Driven by purchased energy—		
Number.....	14,736	12,981
Horsepower.....	676,682	575,054
Driven by energy generated in establishments reporting—		
Number.....	15,876	12,834
Horsepower.....	658,549	573,987
Electric energy (kilowatt-hours):		
Generated in plant.....	1,319,235,603	( <sup>4</sup> )
Sold.....	21,049,500	( <sup>3</sup> )
Purchased.....	1,402,367,970	1,385,192,739

<sup>1</sup> Includes data for prime movers not driving generators.

<sup>2</sup> Gas, gasoline, etc.

<sup>3</sup> Not called for on schedule.

<sup>4</sup> Data not available.

# BRICK AND HOLLOW STRUCTURAL TILE

[A preliminary report for this industry was issued November 15, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of brick and hollow structural tile, including conduit, silo, and corn crib fireproofing; floor, arch, and combination tile; and flooring brick. Prior to the 1939 census this industry was a part of the industry entitled Clay Products, Other Than Pottery. A special tabulation was made of the 1937 census reports in order to obtain comparable figures with those for 1939.

**Establishments reporting products valued at less than \$5,000.**—Although the canvass for the Biennial Census of Manufactures is confined, for the most part, to establishments with a yearly output valued at \$5,000 or more, it has been found desirable in the case of this industry to collect data on production and stocks an-

nually from all establishments without regard to amount of output.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	800	29,069	\$26,349,346	\$22,469,597	\$78,153,227	\$55,683,630	70,159
1937 <sup>4</sup> .....	781	27,742	24,684,863	20,014,094	65,901,116	45,887,022	( <sup>5</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> Data not available for years prior to 1937.  
<sup>5</sup> Not called for on schedule.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Alabama	Arizona	Arkansas	California	Colorado	Connecticut	Georgia	Idaho	Illinois
Number of establishments <sup>1</sup> .....	800	20	5	7	29	28	13	13	6	48
Proprietors and firm members.....	330	10	5	3	22	5	4	2	4	10
Persons reported by manufacturing establishments, total <sup>2</sup> .....	32,962	925	138	459	770	534	481	1,179	73	2,285
Salaried officers of corporations <sup>3</sup> .....	698	14	2	1	16	22	21	20	7	59
Manufacturing:										
Salaried employees <sup>4</sup> .....	1,779	51	6	20	34	36	26	51	6	138
Wage earners (average for the year) <sup>5</sup> .....	29,069	846	118	430	649	400	420	985	59	1,948
Distribution.....	1,096	10	11	7	60	63	7	94	1	124
Construction.....	275	4	1	1	3	13	6	29	1	8
Other.....	45	1	1	1	8	1	1	1	1	8
Salaries and wages, total <sup>6</sup> .....	\$33,877,263	\$635,599	\$93,075	\$348,311	\$913,884	\$637,383	\$568,637	\$875,902	\$57,463	\$2,814,853
Salaried officers <sup>7</sup> .....	2,642,630	58,521	6,000	4,800	75,658	71,617	82,893	116,219	13,552	196,187
Manufacturing:										
Salaries <sup>8</sup> .....	2,909,199	78,820	10,750	31,708	61,249	66,023	46,581	70,771	7,080	223,414
Wages.....	26,349,346	478,734	68,163	285,801	654,771	425,640	427,050	574,437	35,673	2,153,717
Distribution.....	1,691,060	16,724	7,598	25,342	112,666	67,955	7,134	93,160	1,158	227,461
Construction.....	246,909	2,800	564	600	3,712	6,148	3,932	21,315	1	7,982
Other.....	38,119	1	1	1	5,828	1,047	1,047	1,047	1	6,092
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	22,469,597	534,252	56,653	398,996	486,112	462,007	259,986	620,537	24,605	1,548,061
Materials and supplies.....	6,996,528	95,554	11,686	176,537	185,958	221,032	85,875	66,735	7,596	513,243
Fuel.....	12,600,149	357,666	36,164	181,768	236,640	189,385	138,558	452,532	13,598	824,624
Purchased electric energy.....	2,725,259	81,032	8,803	40,691	63,514	48,314	35,553	101,270	3,411	205,031
Contract work.....	87,661	1	1	1	1	3,276	1	1	1	5,263
Value of products.....	78,153,227	1,749,798	225,142	1,046,596	2,009,173	1,458,123	1,254,613	1,723,107	102,146	5,861,107
Value added by manufacture <sup>9</sup> .....	55,683,630	1,215,546	168,489	647,600	1,523,061	996,116	994,627	1,102,570	77,541	4,313,046

  

ITEM	Indiana	Iowa	Kansas	Kentucky	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota	Mississippi
Number of establishments <sup>1</sup> .....	27	22	9	18	13	13	16	8	10	8	14
Proprietors and firm members.....	13	12	1	9	5	14	3	1	3	4	14
Persons reported by manufacturing establishments, total <sup>2</sup> .....	1,263	1,006	242	511	449	144	748	286	527	231	493
Salaried officers of corporations <sup>3</sup> .....	29	23	6	19	12	5	20	9	10	8	11
Manufacturing:											
Salaried employees <sup>4</sup> .....	82	72	15	32	19	7	37	18	30	12	22
Wage earners (average for the year) <sup>5</sup> .....	1,102	851	219	425	395	121	607	259	466	199	441
Distribution.....	47	57	2	10	22	11	67	10	10	12	8
Construction.....	2	3	1	25	1	1	15	1	11	1	11
Other.....	1	1	1	1	1	1	2	1	1	1	1
Salaries and wages, total <sup>6</sup> .....	\$1,446,382	\$1,165,631	\$189,139	\$394,758	\$331,702	\$124,422	\$706,972	\$345,904	\$306,219	\$280,767	\$306,550
Salaried officers <sup>7</sup> .....	87,538	94,449	9,155	33,098	107,300	7,260	65,217	17,902	64,660	21,678	35,510
Manufacturing:											
Salaries <sup>8</sup> .....	134,119	108,263	20,210	45,593	21,706	11,068	57,225	33,095	63,244	20,270	31,064
Wages.....	1,143,867	856,633	189,850	289,756	185,773	99,024	497,434	294,907	635,470	225,833	219,395
Distribution.....	76,209	103,023	2,924	20,034	16,273	7,070	70,932	13,213	13,213	12,986	14,203
Construction.....	4,082	3,263	1	6,277	650	1	14,164	9,632	9,632	1	8,898
Other.....	567	1	1	1	1	1	2,000	1	1	1	480
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	854,652	813,103	125,040	215,386	132,814	59,131	526,712	189,344	426,065	183,040	230,397
Materials and supplies.....	367,735	221,634	30,203	81,176	35,255	18,864	105,146	45,351	92,678	65,422	75,014
Fuel.....	381,594	466,064	79,038	109,328	93,507	38,053	348,028	124,286	294,497	101,751	135,776
Purchased electric energy.....	105,323	123,917	15,799	24,832	4,052	2,214	71,745	19,707	38,890	15,867	19,007
Contract work.....	1,488	1	1	1	1	1	1,793	1	1	1	1
Value of products.....	3,143,078	2,891,800	454,166	726,207	741,692	226,842	1,670,924	742,388	1,946,675	633,898	756,884
Value added by manufacture <sup>9</sup> .....	2,288,426	2,078,697	329,126	510,821	608,878	167,711	1,144,212	553,044	1,520,610	450,858	526,487

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	Missouri	Montana	Nebraska	New Hampshire	New Jersey	New Mexico	New York	North Carolina	Ohio	Oklahoma	Oregon
Number of establishments <sup>1</sup> .....	22	7	9	7	14	4	37	41	75	11	9
Proprietors and firm members.....	7	4	-----	2	2	2	13	34	20	3	4
Persons reported by manufacturing establishments, total <sup>2</sup> .....	554	85	218	157	937	128	2,208	1,576	4,471	312	120
Salaried officers of corporations <sup>3</sup> .....	10	3	6	9	9	5	45	30	73	4	2
Manufacturing:											
Salaried employees <sup>3</sup> .....	41	5	14	12	31	7	98	65	288	33	9
Wage earners (average for the year) <sup>3</sup> .....	483	75	189	124	861	116	2,024	1,430	4,037	268	109
Distribution.....	17	2	1	6	30	-----	26	49	76	7	-----
Construction.....	2	-----	8	6	6	-----	13	1	15	-----	-----
Other.....	1	-----	-----	-----	-----	-----	2	1	2	-----	-----
Salaries and wages, total <sup>3</sup> .....	\$552,153	\$104,233	\$197,041	\$180,168	\$1,104,849	\$93,121	\$2,727,351	\$1,176,042	\$5,469,071	\$252,129	\$137,816
Salaried officers <sup>3</sup> .....	28,680	4,500	8,800	23,898	60,100	17,097	175,724	141,606	382,260	9,560	7,700
Manufacturing:											
Salaries <sup>3</sup> .....	63,046	8,850	20,893	17,212	60,537	11,744	170,234	91,259	453,583	48,269	12,461
Wages.....	436,922	85,447	160,963	127,846	905,748	64,280	2,307,372	858,419	4,451,953	185,467	117,155
Distribution.....	21,533	4,500	2,856	8,869	67,157	-----	45,756	81,238	165,948	8,096	-----
Construction.....	1,782	936	3,529	2,843	11,307	-----	26,592	2,270	13,837	137	500
Other.....	125	-----	-----	-----	-----	-----	1,673	1,250	1,460	-----	-----
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	394,430	49,739	148,769	64,960	661,847	54,386	1,859,082	1,151,549	3,652,768	171,248	69,690
Materials and supplies.....	111,553	14,418	48,053	13,623	138,510	23,644	644,026	250,362	1,419,004	54,464	28,448
Fuel.....	212,502	23,560	75,076	47,511	457,010	23,409	999,838	771,454	1,801,909	88,102	20,426
Purchased electric energy.....	70,375	4,838	25,640	3,256	66,003	7,333	215,218	129,083	396,107	28,682	14,816
Contract work.....	-----	1,923	-----	-----	324	-----	-----	650	45,628	-----	-----
Value of products.....	1,596,816	196,198	570,539	321,751	2,393,122	160,141	6,314,214	3,862,387	11,939,903	723,209	342,101
Value added by manufacture <sup>4</sup> .....	1,202,386	146,459	421,770	256,791	1,731,275	105,755	4,465,132	2,710,838	8,287,135	551,961	272,411

  

ITEM	Pennsylvania	South Carolina	Tennessee	Texas	Utah	Virginia	Washington	West Virginia	Wisconsin	Wyoming	Other States <sup>5</sup>
Number of establishments <sup>1</sup> .....	72	15	17	37	6	30	13	14	15	3	15
Proprietors and firm members.....	23	13	8	12	1	9	4	5	8	1	8
Persons reported by manufacturing establishments, total <sup>2</sup> .....	2,769	882	949	1,638	300	1,300	279	500	186	21	569
Salaried officers of corporations <sup>3</sup> .....	56	9	12	21	10	28	14	11	13	1	13
Manufacturing:											
Salaried employees <sup>3</sup> .....	182	32	35	95	16	51	12	24	11	3	21
Wage earners (average for the year) <sup>3</sup> .....	2,427	801	874	1,432	244	1,182	238	516	158	16	526
Distribution.....	52	30	25	66	27	25	15	6	4	1	8
Construction.....	42	9	1	24	3	14	-----	1	-----	-----	-----
Other.....	10	1	2	-----	-----	-----	-----	2	-----	-----	1
Salaries and wages, total <sup>3</sup> .....	\$3,265,520	\$528,377	\$780,121	\$1,124,659	\$369,501	\$1,081,274	\$359,106	\$602,477	\$190,512	\$22,745	\$500,444
Salaried officers <sup>3</sup> .....	181,933	31,700	56,946	72,641	20,440	78,991	32,416	44,525	37,399	3,000	53,500
Manufacturing:											
Salaries <sup>3</sup> .....	325,460	64,890	63,742	128,727	29,451	80,110	17,723	41,929	14,062	4,800	37,964
Wages.....	2,638,704	388,994	585,081	839,060	269,499	861,383	281,931	504,940	143,997	13,255	395,352
Distribution.....	68,909	35,227	64,569	72,683	45,100	40,728	27,036	8,938	4,054	1,090	19,503
Construction.....	38,143	6,116	8,391	11,548	5,011	20,062	-----	1,700	-----	-----	-----
Other.....	12,371	1,450	1,392	-----	-----	-----	-----	445	-----	-----	125
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	2,020,475	472,068	465,882	877,820	251,986	855,502	156,469	439,703	120,595	15,244	368,492
Materials and supplies.....	640,180	95,773	107,308	253,919	137,431	228,442	54,085	81,461	23,713	3,322	122,095
Fuel.....	1,098,393	301,886	287,123	522,712	87,009	538,030	90,150	298,956	82,024	9,155	210,097
Purchased electric energy.....	281,902	65,409	67,954	92,439	23,115	89,030	12,234	59,286	14,043	2,767	35,477
Contract work.....	-----	9,000	3,497	8,750	4,431	-----	-----	815	-----	-----	823
Value of products.....	7,048,830	1,379,984	1,640,361	2,876,007	666,138	2,788,022	555,436	1,586,162	447,958	45,395	1,304,204
Value added by manufacture <sup>4</sup> .....	5,028,355	907,916	1,174,479	1,998,187	444,152	1,932,520	398,967	1,146,449	327,363	30,161	935,712

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.      <sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>5</sup> Delaware, 4 establishments; District of Columbia, 1; Florida, 3; Nevada, 1; North Dakota, 2; Rhode Island, 1; South Dakota, 1; Vermont, 2.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Brick and Hollow Structural Tile industry, all products, total value.....	\$78,153,227	\$65,901,116
Brick and hollow structural tile products made in this industry.....	73,914,770	62,623,804
Miscellaneous products not specified.....	77,068	-----
Other products (not classified in this industry).....	4,161,389	3,277,312
Brick and hollow structural tile products, aggregate value.....	75,332,318	64,208,483
Brick and hollow structural tile products made in this industry.....	73,914,770	62,623,804
Brick and hollow structural tile made by establishments with products under \$5,000 in value.....	120,891	103,521
Brick and hollow structural tile products made as secondary products in other industries.....	1,296,657	1,481,158

<sup>1</sup> Includes value of drain tile, fire-clay products, sewer pipe, flue lining, floor tile, sewer brick, nonclay refractories, and roofing tile.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, AND STOCKS ON HAND AT END OF YEAR, FOR THE UNITED STATES: 1939

PRODUCT	1939		
	Produced in the industry	Produced in other industries within the Structural Clay Products sub-group	Aggregate
Total value.....	\$73,914,770	\$1,417,548	\$75,332,318
Bricks:			
Red burning clays—			
All sizes (equivalent to standard brick size)—			
Production.....	4,169,691	40,106	4,209,797
value.....	\$48,653,749	\$482,336	\$49,136,085
Stocks, Dec. 31.....	934,485	17,306	951,791

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1939

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, AND STOCKS ON HAND AT END OF YEAR, FOR THE UNITED STATES: 1939—Continued

PRODUCT	1939			PRODUCT	1939		
	Produced in the industry	Produced in other industries within the Structural Clay Products subgroup	Aggregate		Produced in the industry	Produced in other industries within the Structural Clay Products subgroup	Aggregate
Bricks—Continued.				Unglazed structural clay tile—Continued.			
Buff burning clays—				Load-bearing—back-up tile—Continued.			
All sizes (equivalent to standard brick size)—				Up to and including 5 inches in height—			
Production.....thousands.....	500, 584	15, 498	516, 082	Continued.			
value.....	\$7, 438, 430	\$252, 061	\$7, 690, 491	6-inch wall thickness—			
Stocks, Dec. 31.....thousands.....	179, 283	7, 707	186, 990	Production.....square feet.....	(?)	(?)	1, 949, 544
Paving brick used for building purposes (equivalent to standard brick size) red and buff burning clays—				value.....			\$151, 800
Production.....thousands.....	(?)	(?)	21, 754	Stocks, Dec. 31.....square feet.....			558, 993
value.....			\$427, 655	8-inch wall thickness—			
Stocks, Dec. 31.....thousands.....	(?)	(?)	8, 824	Production.....square feet.....	13, 889, 858	995, 906	14, 885, 764
Glazed units (brick and hollow tile):				value.....	\$1, 055, 419	\$73, 092	\$1, 128, 511
Salt glazed—				Stocks, Dec. 31.....square feet.....	3, 547, 265	231, 648	3, 778, 913
Red burning clays—all sizes (equivalent to standard brick size)—				10- and 12-inch wall thickness—			
Production.....thousands.....	(?)	(?)	20, 283	Production.....square feet.....	398, 698	(?)	398, 698
value.....			\$467, 997	value.....	338, 269		338, 269
Stocks, Dec. 31.....thousands.....	(?)	(?)	3, 576	Stocks, Dec. 31.....square feet.....	120, 030		120, 030
Buff burning clays—all sizes (equivalent to standard brick size)—				Over 5 inches and up to 8 inches in height—			
Production.....thousands.....	(?)	(?)	103, 079	4-inch wall thickness—			
value.....			\$2, 951, 605	Production.....square feet.....	(?)	(?)	5, 431, 557
Stocks, Dec. 31.....thousands.....	(?)	(?)	29, 499	value.....			\$257, 110
Clay coated—				Stocks, Dec. 31.....square feet.....	(?)	(?)	2, 199, 716
Red and buff burning clays—all sizes (equivalent to standard brick size)—				6-inch wall thickness—			
Production.....thousands.....	(?)	(?)	19, 379	Production.....square feet.....	(?)	(?)	1, 585, 854
value.....			\$350, 850	value.....			\$108, 577
Stocks, Dec. 31.....thousands.....	(?)	(?)	10, 320	Stocks, Dec. 31.....square feet.....	(?)	(?)	392, 603
Ceramic glazed—				8-inch wall thickness—			
Red and buff burning clays—all sizes (equivalent to standard brick size)—				Production.....square feet.....	8, 777, 554	130, 650	8, 908, 204
Production.....thousands.....	(?)	(?)	51, 564	value.....	\$763, 892	\$11, 663	\$775, 560
value.....			\$2, 076, 105	Stocks, Dec. 31.....square feet.....	1, 740, 235	22, 550	1, 762, 785
Stocks, Dec. 31.....thousands.....	(?)	(?)	18, 097	10- and 12-inch wall thickness—			
Unglazed hollow facing tile:				Production.....square feet.....	1, 165, 783	(?)	1, 165, 783
Red burning clays—				value.....	\$113, 225		\$113, 225
All sizes (equivalent to standard brick size)—				Stocks, Dec. 31.....square feet.....	273, 607		273, 607
Production.....thousands.....	21, 148	905	22, 053	Over 8 inches in height—			
value.....	\$434, 303	\$29, 381	\$463, 774	4-inch wall thickness—			
Stocks, Dec. 31.....thousands.....	10, 045	404	10, 449	Production.....square feet.....	(?)	(?)	316, 263
Buff burning clays—				value.....			\$22, 325
All sizes (equivalent to standard brick size)—				Stocks, Dec. 31.....square feet.....	(?)	(?)	100, 482
Production.....thousands.....	21, 148	905	22, 053	0-inch wall thickness—			
value.....	\$434, 303	\$29, 381	\$463, 774	Production.....square feet.....	(?)	(?)	389, 742
Stocks, Dec. 31.....thousands.....	10, 045	404	10, 449	value.....			\$31, 929
Buff burning clays—				Stocks, Dec. 31.....square feet.....	(?)	(?)	168, 684
All sizes (equivalent to standard brick size)—				3-inch wall thickness—			
Production.....thousands.....	(?)	(?)	36, 793	Production.....square feet.....	1, 388, 313	47, 300	1, 435, 613
value.....			\$778, 604	value.....	\$128, 578	\$9, 001	\$137, 579
Stocks, Dec. 31.....thousands.....	(?)	(?)	17, 661	Stocks, Dec. 31.....square feet.....	446, 346	32, 591	478, 937
Unglazed structural clay tile:				10- and 12-inch wall thickness—			
Nonload bearing—				Production.....square feet.....	186, 857	(?)	186, 857
Partition tile—				value.....	\$23, 904		\$23, 904
2 inches thick—				Stocks, Dec. 31.....square feet.....	108, 886		108, 886
Production.....square feet.....	(?)	(?)	3, 243, 627	All other sizes—			
value.....			\$155, 932	Production.....square feet.....	(?)	(?)	20, 699, 072
Stocks, Dec. 31.....square feet.....			381, 050	value.....			\$1, 881, 747
3 inches thick—				Stocks, Dec. 31.....square feet.....	(?)	(?)	4, 402, 123
Production.....square feet.....	11, 413, 933	127, 361	11, 541, 299	Silo and corn crib tile:			
value.....	\$455, 581	\$5, 728	\$461, 309	Production.....short tons.....	24, 703	948	25, 651
Stocks, Dec. 31.....square feet.....	3, 107, 748	161, 185	3, 268, 933	value.....	\$199, 571	\$10, 957	\$207, 528
4 inches thick—				Conduit:	14, 055	586	14, 641
Production.....square feet.....	23, 409, 521	674, 082	24, 083, 603	Production.....short tons.....	(?)	(?)	29, 406
value.....	\$1, 148, 367	\$34, 302	\$1, 182, 669	Stocks, Dec. 31.....short tons.....	(?)	(?)	\$429, 440
Stocks, Dec. 31.....square feet.....	4, 691, 242	356, 385	5, 047, 627	Beam and column fireproofing tile:			
6 inches thick—				Production.....square feet.....	276, 308	(?)	276, 308
Production.....square feet.....	6, 740, 250	148, 416	6, 888, 666	value.....	\$13, 797		\$13, 797
value.....	\$432, 078	\$12, 907	\$444, 985	Stocks, Dec. 31.....square feet.....	144, 776		144, 776
Stocks, Dec. 31.....square feet.....	1, 636, 843	174, 179	1, 811, 022	Flat floor arch and combination tile:			
8 inches thick—				6- and 7-inch floor thickness—			
Production.....square feet.....	4, 496, 171	88, 389	4, 584, 560	Production.....square feet.....	(?)	(?)	853, 430
value.....	\$375, 878	\$10, 939	\$386, 817	value.....			\$56, 952
Stocks, Dec. 31.....square feet.....	1, 104, 760	44, 529	1, 149, 289	Stocks, Dec. 31.....square feet.....	(?)	(?)	193, 548
10 inches thick—				8- and 9-inch floor thickness—			
Production.....square feet.....	(?)	(?)	540, 286	Production.....square feet.....	329, 896	(?)	329, 896
value.....			\$50, 421	value.....	\$33, 431		\$33, 431
Stocks, Dec. 31.....square feet.....	(?)	(?)	134, 818	Stocks, Dec. 31.....square feet.....	62, 348		62, 348
Other sizes—				10- to 16-inch floor thickness—			
Production.....square feet.....	(?)	(?)	5, 409, 384	Production.....square feet.....	323, 964	(?)	323, 964
value.....			\$502, 736	value.....	\$46, 433		\$46, 433
Stocks, Dec. 31.....square feet.....	(?)	(?)	1, 595, 903	Stocks, Dec. 31.....square feet.....	157, 556		157, 556
Split furring tile—				Flooring brick:			
Production.....square feet.....	1, 776, 684	41, 186	1, 817, 870	Standard (1½ to 2 inches thick)—			
value.....	\$63, 571	\$2, 544	\$66, 115	Production.....square feet.....	3, 214, 492	(?)	3, 214, 492
Stocks, Dec. 31.....square feet.....	435, 149	49, 024	484, 173	value.....	\$102, 464		\$102, 464
Book tile—				Stocks, Dec. 31.....square feet.....	1, 231, 228		1, 231, 228
Production.....square feet.....	(?)	(?)	185, 150	Heavy duty (over 2 inches thick)—			
value.....			\$18, 515	Production.....square feet.....	(?)	(?)	608, 983
Stocks, Dec. 31.....square feet.....	(?)	(?)	118, 059	value.....			\$25, 625
Load-bearing—back-up tile—				Stocks, Dec. 31.....square feet.....	(?)	(?)	259, 977
Up to and including 5 inches in height—				Vitrified brick for paving:			
4-inch wall thickness—				Production.....thousands.....	58, 894	2, 174	61, 068
Production.....square feet.....	14, 220, 494	458, 371	14, 678, 865	value.....	\$1, 487, 991	\$52, 177	\$1, 540, 168
value.....	\$572, 210	\$19, 089	\$591, 279	Stocks, Dec. 31.....thousands.....	28, 335	498	28, 833
Stocks, Dec. 31.....square feet.....	3, 607, 533	161, 185	3, 768, 698				

1 Includes \$120,891 made by establishments with products under \$5,000 in value and also a small amount produced outside the Structural Clay Products subgroup.  
 2 Figures not shown separately to avoid disclosing, exactly or approximately, data reported by individual establishments.  
 3 No data.

TABLE 5.—BRICK AND HOLLOW STRUCTURAL TILE—NUMBER OF ESTABLISHMENTS; PRODUCTS BY KIND, QUANTITY, AND VALUE; AND STOCKS ON HAND AT END OF YEAR; BY STATES: 1939

KIND AND STATE	Number of establishments	Stocks, Dec. 31, 1939 (quantity)	PRODUCTION		KIND AND STATE	Number of establishments	Stocks, Dec. 31, 1939 (quantity)	PRODUCTION	
			Quantity	Value				Quantity	Value
<b>BRICKS</b>					<b>GLAZED UNITS (BRICK AND HOLLOW TILE)</b>				
Red burning clays:					Salt glazed:				
All sizes (equivalent to standard brick size), total	747	Thousands 951,791	Thousands 4,209,797	\$49,136,085	Red burning clays—	15	Thousands 3,576	Thousands 20,289	\$467,997
Alabama	20	19,468	148,332	1,382,411	All sizes (equivalent to standard brick size), total	8	2,993	19,488	450,437
Arizona	6	3,863	19,320	222,442	III., 1 est.; Ind., 1; Iowa, 3; Ohio, 3	7	583	801	17,560
Arkansas	7	10,301	42,026	487,472	Other States (Colo., 1 est.; Idaho, 1; Me., 1; Pa., 2; Wash., 1; Wis., 1)	24	29,499	103,079	2,951,605
California	35	52,527	130,963	1,563,246	Buff burning clays—	4	3,332	15,452	551,876
Colorado	19	15,372	42,498	650,388	All sizes (equivalent to standard brick size), total	13	22,843	83,687	2,269,593
Connecticut	15	25,763	96,608	1,257,049	Indiana	7	3,324	3,940	130,136
Georgia	14	18,039	168,394	1,493,057	Other States (Ark., 1 est.; Colo., 1; Ill., 1; Pa., 2; Utah, 2)	16	10,320	19,379	350,850
Idaho	6	2,201	6,979	94,050	Clay coated:	4	7,561	14,923	272,748
Illinois	36	76,411	272,457	3,124,677	Red and buff burning clays—	6	1,166	2,569	48,268
Indiana	23	26,044	102,357	1,254,500	All sizes (equivalent to standard brick size), total	6	1,593	1,887	29,834
Iowa	18	12,675	53,529	684,670	Ceramic glazed:	22	18,097	51,564	2,076,105
Kansas	8	13,334	28,090	259,415	Red and buff burning clays—	5	6,957	28,239	1,079,792
Kentucky	19	14,266	57,324	574,649	All sizes (equivalent to standard brick size), total	7	7,722	18,955	766,897
Louisiana	11	3,312	24,131	251,978	Ohio	10	3,418	4,370	229,416
Maine	11	13,230	15,943	217,132	Ind., 3 est.; Pa., 4				
Maryland	16	10,739	116,235	1,584,931	Other States (Calif., 5 est.; Ill., 1; Mo., 1; N. J., 2; Tenn., 1)	40	10,449	22,053	463,774
Massachusetts	9	19,408	52,020	742,388	Red burning clays:	6	1,169	5,002	131,676
Michigan	10	12,169	112,112	1,700,229	All sizes (equivalent to standard brick size), total	3	20	434	8,789
Minnesota	8	12,477	20,563	266,894	Iowa	6	945	1,592	38,104
Mississippi	17	13,327	65,537	673,860	Oregon	3	5,018	10,587	200,645
Missouri	20	22,386	90,885	1,289,711	Calif., 4 est.; Wash., 2	7	352	910	34,231
Montana	5	1,627	6,300	100,584	Ill., 2 est.; Minn., 1; Mo., 2; Wis., 2	3	844	477	6,420
Nebraska	8	9,361	16,894	384,078	Ind., 2 est.; Ohio, 1	12	2,101	3,051	43,909
Nevada	7	11,178	16,894	321,751	Okla., 2 est.; Tex., 1				
New Hampshire	11	20,074	120,999	1,553,032	Other States (Ala., 1 est.; Ariz., 1; Colo., 2; Kans., 1; Ky., 2; Miss., 1; Nev., 1; Pa., 1; W. Va., 1; Wyo., 1)	30	17,661	36,793	778,604
New Jersey	4	2,069	5,938	83,734	Buff burning clays:	12	9,786	17,241	372,894
New Mexico	33	129,408	593,668	5,838,624	All sizes (equivalent to standard brick size), total	7	5,868	16,061	340,547
New York	47	29,421	298,087	3,618,692	Pa., 4 est.; W. Va., 3	4	60	293	7,233
North Carolina	58	80,332	272,762	3,159,476	Colo., 3 est.; Utah, 1	7	1,947	3,198	57,930
Ohio	11	17,807	48,599	550,098	Other States (Ark., 1 est.; Ga., 1; Ind., 1; Kans., 1; Miss., 1; Mont., 1; Okla., 1)				
Oklahoma	16	4,110	13,549	217,826	UNGLAZED HOLLOW FACING TILE				
Oregon	61	58,229	333,584	4,320,033	Red burning clays:	43	Square feet 381,050	Square feet 3,243,627	155,932
Pennsylvania	17	18,913	135,502	1,364,110	All sizes (equivalent to standard brick size), total	3	5,150	50,100	1,917
South Carolina	18	29,983	127,453	1,367,379	Iowa	3	18,273	199,063	6,390
Tennessee	30	46,533	145,318	1,303,360	New York	4	20,470	456,704	18,368
Texas	7	2,036	4,354	116,072	Ohio	6	52,140	179,610	6,777
Utah	31	40,424	193,850	2,484,449	Calif., 5 est.; Oreg., 1; Wash., 2	8	67,874	79,991	3,424
Virginia	16	6,656	29,913	423,509	Pa., 4 est.; W. Va., 1	5	34,256	438,851	17,067
Washington	9	12,121	56,414	680,627	Other States (Ala., 1 est.; Colo., 1; Ga., 1; Ind., 2; Kans., 1; Mo., 1; Nev., 1; N. J., 1; Okla., 1; Tenn., 1; Tex., 1; Utah, 1; Va., 1)	14	182,887	1,839,308	101,989
West Virginia	13	11,740	20,769	268,759	3 inches thick, total	96	3,268,933	11,541,299	461,309
Wisconsin	4	1,322	3,682	57,871	California	9	219,247	364,806	14,511
Wyoming	13	17,137	78,975	1,147,872	Illinois	6	292,365	880,900	34,891
Other States (Del., 4 est.; D. C., 1; Fla., 3; Nev., 1; R. I., 1; S. Dak., 1; Vt., 2)					Indiana	4	59,298	280,549	9,666
Buff burning clays:					Iowa	8	176,466	1,298,080	42,214
All sizes (equivalent to standard brick size), total	153	186,900	516,082	7,690,491	Nebraska	6	157,556	391,040	18,289
California	5	2,291	1,817	55,465	New York	5	366,061	1,157,074	49,814
Colorado	9	3,165	8,846	184,300	Ohio	9	368,877	1,157,074	34,491
Illinois	12	28,089	66,289	1,008,606	Pennsylvania	5	97,044	618,000	30,420
Indiana	8	3,920	25,256	355,874	Ala., 1 est.; Ga., 4; La., 1; Miss., 2	8	555,833	2,805,610	71,677
Iowa	4	2,046	14,095	251,787	Ariz., 1 est.; Colo., 2; Utah, 2	5	34,747	74,384	5,294
Minnesota	4	7,796	18,169	232,292	Kans., 2 est.; Okla., 2; Tex., 5	9	153,213	267,282	11,551
Missouri	3	704	449	10,469	Ky., 2 est.; Tenn., 1; Va., 1	4	446,760	1,427,467	62,773
Ohio	20	32,592	78,699	1,444,334					
Pennsylvania	17	32,981	78,365	1,297,554					
Texas	14	21,066	735,345	7,353,345					
Utah	7	6,483	20,153	303,434					
Washington	4	1,823	2,667	62,206					
West Virginia	4	2,104	8,879	159,298					
Wisconsin	8	4,680	9,785	128,304					
Ala., 3 est.; Ark., 2; La., 3; Miss., 3	11	22,872	102,591	967,786					
Kans., 2 est.; Nebr., 2; Okla., 1	5	4,095	6,600	116,696					
Mont., 2 est.; N. Dak., 2	4	3,654	7,899	112,562					
Tenn., 2 est.; Va., 2	4	2,606	9,657	143,007					
Other States (Fla., 1 est.; Ky., 1; Mich., 2; Nev., 1; N. J., 1; N. Mex., 2; Oreg., 1; Wyo., 1)	10	4,023	8,513	121,172					
Paving brick used for building purposes (equivalent to standard brick size), red and buff burning clays, total	32	8,824	21,754	427,655					
California	5	935	1,565	33,726					
Illinois	3	181	354	7,523					
Pennsylvania	6	1,414	5,993	89,381					
Tenn., 1 est.; Va., 2	3	629	1,218	23,238					
Other States (Ala., 1 est.; Colo., 1; Ind., 1; Iowa, 1; Kans., 1; Mont., 1; N. Y., 1; Ohio, 6; W. Va., 2)	15	5,665	12,624	273,787					

TABLE 5.—BRICK AND HOLLOW STRUCTURAL TILE—NUMBER OF ESTABLISHMENTS; PRODUCTS BY KIND, QUANTITY, AND VALUE; AND STOCKS ON HAND AT END OF YEAR; BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Stocks, Dec. 31, 1939 (quantity)	PRODUCTION		KIND AND STATE	Number of establishments	Stocks, Dec. 31, 1939 (quantity)	PRODUCTION	
			Quantity	Value				Quantity	Value
<b>UNGLAZED STRUCTURAL CLAY TILE—CON.</b>					<b>UNGLAZED STRUCTURAL CLAY TILE—CON.</b>				
Nonload bearing—Continued.					Load-bearing—back-up tile:				
Partition tile—Continued.					Up to and including 5 inches in height—				
3 inches thick—Continued.					4-inch wall thickness, total.....				
Other States (Mo., 4 est.; Mont., 2; Nev., 1; N. J., 1; N. Dak., 1; Oreg., 3; S. C., 1; Wash., 3; W. Va., 1; Wis., 1).....	18	Square feet 336,476	Square feet 1,681,729	\$75,728	107	Square feet 3,768,698	Square feet 14,678,865	\$591,279	
4 inches thick, total.....	123	5,047,627	24,083,603	1,182,669	Illinois.....	9	328,591	943,003	39,449
California.....	10	477,110	878,699	43,962	Indiana.....	5	91,814	395,288	16,090
Illinois.....	6	244,840	2,600,950	117,185	Iowa.....	8	162,994	925,443	46,111
Indiana.....	6	117,699	733,134	27,870	Kentucky.....	4	50,550	98,381	5,278
Iowa.....	10	649,201	3,357,970	139,808	Montana.....	3	15,850	74,343	4,671
Missouri.....	4	131,063	263,734	15,568	Nebraska.....	5	56,358	119,965	8,740
Nebraska.....	6	299,268	687,015	43,935	Ohio.....	22	596,401	3,972,047	134,865
New York.....	5	285,464	1,317,009	101,167	West Virginia.....	6	210,804	708,313	18,382
Ohio.....	12	493,610	1,830,887	90,809	Ala., 1 est.; Fla., 1; Miss., 1	3	47,000	321,000	10,896
Pennsylvania.....	7	167,137	1,522,760	93,366	Mo., 5 est.; Okla., 1	6	403,451	663,857	38,071
Texas.....	8	264,907	510,437	16,803	N. Y., 1 est.; Pa., 9	10	605,864	2,289,201	116,800
Ala., 1 est.; Ga., 4; La., 2; Miss., 2	9	713,702	3,752,372	119,802	Other States (Ariz., 1 est.; Calif., 2; Colo., 3; Kans., 1; Minn., 1; N. J., 1; N. C., 3; N. Dak., 1; Oreg., 2; S. C., 1; S. Dak., 1; Tenn., 2; Tex., 5; Wash., 1; Wis., 1)	26	1,196,021	4,168,024	151,456
Ariz., 1 est.; Colo., 4; N. Mex., 1; Utah, 3	9	112,962	474,922	30,090	6-inch wall thickness, total.....	32	558,993	1,949,544	151,800
Kans., 2 est.; Okla., 2	4	235,395	270,258	17,690	Ohio.....	4	10,965	131,800	13,481
Mont., 3 est.; N. Dak., 1; S. Dak., 1; Wyo., 2	7	51,220	120,516	15,983	Calif., 3 est.; Oreg., 3	6	111,615	355,526	25,676
Oreg., 4 est.; Wash., 3	7	74,257	453,209	30,723	Ill., 3 est.; Ind., 1; Ky., 2	6	116,276	600,561	33,870
Tenn., 1 est.; Va., 1; W. Va., 2	4	368,701	2,573,670	152,752	N. C., 1 est.; Tenn., 2; W. Va., 2	5	144,840	121,110	6,761
Other States (Ky., 2 est.; Mich., 1; Minn., 1; Nebr., 1; Nev., 1; N. J., 1; S. C., 1; Wis., 1)	9	361,091	2,736,061	125,256	Other States (Colo., 1 est.; Fla., 1; Ga., 1; Miss., 1; Mont., 1; Nebr., 1; N. Y., 1; Pa., 1; Tex., 1; Wash., 2)	11	175,297	740,547	72,012
6 inches thick, total.....	94	1,811,022	6,888,666	444,985	8-inch wall thickness, total.....	119	3,778,913	14,885,704	1,128,511
California.....	9	285,250	434,203	32,103	Colorado.....	6	57,268	294,960	23,744
Illinois.....	6	156,045	653,600	40,107	Illinois.....	8	201,862	1,077,378	98,376
Indiana.....	5	53,894	201,928	10,823	Indiana.....	9	110,517	809,516	65,554
Iowa.....	8	161,362	774,712	45,302	Iowa.....	9	914,702	3,450,997	261,949
New York.....	5	113,467	451,269	33,005	Kentucky.....	4	101,543	278,101	21,583
Ohio.....	8	201,770	366,714	22,128	Missouri.....	6	165,168	469,550	52,927
Pennsylvania.....	6	88,964	480,598	28,797	Nebraska.....	6	391,689	909,504	44,082
Texas.....	7	84,188	109,569	5,180	Ohio.....	16	514,399	2,607,744	182,568
Ala., 1 est.; Ga., 4; La., 2; Miss., 1	8	193,634	679,107	33,475	Pennsylvania.....	11	171,843	459,687	36,497
Colo., 4 est.; Wyo., 1	5	33,328	124,244	13,054	Texas.....	5	456,937	989,424	82,854
Kans., 2 est.; Mo., 2	4	89,150	159,296	6,720	Washington.....	2	31,510	68,000	7,439
Ky., 1 est.; Tenn., 1; Va., 1; W. Va., 2	5	184,470	1,247,240	82,575	West Virginia.....	4	37,830	107,764	18,347
Nev., 1 est.; Oreg., 2; Wash., 2	5	40,053	266,580	25,772	Ala., 1 est.; Fla., 1; Ga., 3; La., 2; Miss., 2	9	94,743	305,795	59,835
Other States (Md., 1 est.; Mont., 2; Nebr., 2; N. J., 1; N. Mex., 1; Okla., 1; S. C., 1; S. Dak., 1; Utah, 2; Wis., 1)	13	125,447	939,606	65,944	Calif., 2 est.; Okla., 5	4	61,000	115,861	7,662
8 inches thick, total.....	68	1,149,289	4,584,560	386,817	Kans., 1 est.; Okla., 5	6	136,600	654,820	60,699
Illinois.....	5	39,385	164,500	14,105	Minn., 1 est.; S. Dak., 1; Wis., 1	3	177,129	503,696	44,393
Iowa.....	7	99,519	476,075	39,041	Mont., 2 est.; N. Dak., 1	3	35,895	236,048	34,184
New York.....	4	27,423	89,085	8,157	Other States (Ariz., 1 est.; N. J., 1; N. Mex., 1; N. Y., 2; N. C., 2; Wyo., 1)	8	157,278	256,949	25,816
Ohio.....	9	121,918	521,789	41,655	10- and 12-inch wall thickness, total.....	14	120,030	308,698	38,269
Pennsylvania.....	7	49,918	216,660	17,221	Iowa.....	3	33,534	94,785	5,826
Ala., 2 est.; Ga., 2; La., 1; Miss., 2	7	199,502	776,306	57,995	Other States (Ala., 1 est.; Ga., 2; Ky., 1; Miss., 1; Mont., 1; Nebr., 1; Ohio, 3; Tex., 1)	11	86,496	303,913	32,443
Colo., 1 est.; Utah, 2; Wyo., 1	4	21,592	55,985	9,264	Over 5 inches and up to 8 inches in height—	31	2,199,716	5,431,557	257,110
Ind., 4 est.; Ky., 1; Tenn., 1	6	89,969	194,022	15,843	4-inch wall thickness, total.....	3	112,109	345,214	19,386
N. Mex., 2 est.; Okla., 1; Tex., 4	7	218,797	505,470	27,969	Ohio.....	6	153,106	563,533	50,871
Other States (Calif., 2 est.; Kans., 2; Mich., 1; Mo., 1; Mont., 1; N. J., 1; Va., 1; Wash., 2; W. Va., 1)	12	281,266	1,584,668	156,067	Ill., 1 est.; Ind., 1; Ky., 1	3	64,600	252,300	11,747
10 inches thick, total.....	28	134,818	540,285	50,421	Iowa, 4 est.; Mo., 2	6	1,657,449	3,328,071	120,138
Iowa, 3 est.; Mo., 1	4	37,850	216,713	16,712	Other States (Calif., 2 est.; Ga., 1; Kans., 1; Mont., 1; N. Y., 1; Oreg., 2; Pa., 2; Va., 1; Wash., 2)	13	212,452	944,439	54,968
N. J., 1 est.; Ohio, 4; Pa., 1	6	47,026	138,281	12,936	6-inch wall thickness, total.....	15	392,603	1,585,854	108,577
Other States (Calif., 1 est.; Colo., 1; Ga., 2; Ill., 3; Ind., 2; Kans., 1; La., 1; Mont., 2; N. Mex., 1; Okla., 1; Tenn., 1; Tex., 1; Utah, 1)	18	49,942	185,292	20,773	Washington.....	3	7,250	44,590	2,626
Other sizes, total.....	52	1,595,903	5,409,384	502,736	Calif., 2 est.; Oreg., 1	3	57,793	240,300	14,541
Texas.....	4	358,634	1,456,400	162,345	Other States (Colo., 1 est.; Ga., 1; Ill., 3; Iowa, 1; Nebr., 1; N. J., 1; W. Va., 1)	9	327,560	1,300,964	91,410
Ark., 4 est.; Mo., 2	6	186,940	667,750	59,711	8-inch wall thickness, total.....	50	1,762,785	8,908,204	775,560
Ill., 4 est.; Iowa, 3	7	439,318	1,678,473	153,363	Oregon.....	4	16,500	131,086	7,877
Ohio, 5 est.; Pa., 6	11	98,318	760,974	66,170	Pennsylvania.....	6	56,728	266,730	23,211
Other States (Colo., 2 est.; Ga., 2; Ind., 2; Kans., 3; La., 1; Miss., 1; Mont., 2; Nebr., 1; Nev., 1; N. J., 1; N. Mex., 1; N. Y., 1; Okla., 1; Tenn., 1; Utah, 1; Va., 1; W. Va., 1; Wis., 1)	24	512,693	845,782	61,147	Texas.....	6	394,006	940,211	84,078
Split furring tile, total.....	45	484,173	1,817,870	66,115	Calif., 2 est.; Wash., 2	4	78,004	237,710	19,189
New York.....	5	57,783	320,640	8,781	Ill., 4 est.; Iowa, 2	6	464,114	1,041,023	72,681
Pennsylvania.....	5	33,264	270,530	11,357	Ohio, 2 est.; Va., 1; W. Va., 3	6	179,955	3,377,898	313,592
Ill., 3 est.; Ind., 3; Ohio, 5	11	102,423	342,341	12,192	Other States (Colo., 2 est.; Ga., 2; Kans., 1; Ky., 1; La., 1; Mo., 3; Mont., 2; Nebr., 1; N. J., 1; N. Y., 2; Okla., 1; Tenn., 1)	18	573,478	2,913,546	254,932
Other States (Calif., 6 est.; Colo., 1; Ga., 2; Iowa, 1; Kans., 1; La., 1; Miss., 1; Mo., 1; Mont., 1; Nebr., 1; Nev., 1; N. J., 1; N. Mex., 1; Tenn., 1; Utah, 1; Va., 1; W. Va., 1; Wyo., 1)	24	290,703	884,359	33,805	10- and 12-inch wall thickness, total.....	12	273,607	1,165,783	113,225
Book tile—					N. Y., 1 est.; Ohio, 1; Pa., 2	4	171,650	545,072	62,284
Calif., 1 est.; N. J., 1; Ohio, 1	3	118,059	185,150	18,615	Other States (Ariz., 1 est.; Iowa, 2; N. J., 1; Oreg., 1; Tenn., 1; Va., 1; Wash., 1)	8	101,957	620,711	50,941
					Over 8 inches in height—	13	100,482	316,263	22,325
					4-inch wall thickness, total.....	7	62,782	136,563	7,715
					Ill., 1 est.; Ind., 1; Ohio, 3; Pa., 2	6	37,700	179,700	14,610
					Other States (Colo., 1 est.; Ga., 1; N. C., 1; Oreg., 1; Utah, 1; Wash., 1)				

BRICK AND HOLLOW STRUCTURAL TILE

TABLE 5.—BRICK AND HOLLOW STRUCTURAL TILE—NUMBER OF ESTABLISHMENTS; PRODUCTS BY KIND, QUANTITY, AND VALUE; AND STOCKS ON HAND AT END OF YEAR; BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Stocks, Dec. 31, 1939 (quantity)	PRODUCTION		KIND AND STATE	Number of establishments	Stocks, Dec. 31, 1939 (quantity)	PRODUCTION	
			Quantity	Value				Quantity	Value
UNGLAZED STRUCTURAL CLAY TILE—con.					SILO AND CORNER TILE—continued.				
Lead-bearing—back-up tile—Continued.					Other States (Colo., 3 est.; Ind., 1; Kans., 2; Minn., 1; Mo., 1; N. C., 1; N. Dak., 1; Pa., 1; Wash., 1).....	12	Short tons 5,323	Short tons 10,312	\$88,550
Over 8 inches in height—Continued.					CONDUIT:				
6-inch wall thickness, total.....	18	168,684	Square feet 389,742	\$31,929	Calif., 4 est.; Colo., 1; Ill., 1; Ind., 2; Ky., 1; Minn., 1; N. C., 1; Ohio, 2; Wash., 1.....	14	14,877	Square feet 29,406	429,440
Ill., 1 est.; Ind., 1; Ohio, 3; Pa., 2.....	7	33,824	58,576	5,121	BEAM AND COLUMN FIREPROOFING TILE:				
Other States (Calif., 1 est.; Colo., 1; Ga., 3; N. J., 1; N. C., 1; Oreg., 1; Tenn., 1; Tex., 1; Utah, 1).....	11	134,860	331,166	26,808	Ill., 1 est.; Iowa, 2; N. J., 1; Ohio, 2; Pa., 1.....	7	144,776	Square feet 276,308	18,797
8-inch wall thickness, total.....	31	478,937	1,435,613	134,579	FLAT FLOOR ARCH AND COMBINATION TILE:				
Illinois.....	3	34,417	15,567	3,651	6- and 7-inch floor thickness—				
Ohio.....	6	41,187	92,430	9,312	Ga., 1 est.; Iowa, 2; N. J., 1; Ohio, 2.....	6	193,548	853,430	56,952
Ga., 4 est.; N. C., 1; Tenn., 1.....	6	208,498	703,244	59,371	8- and 9-inch floor thickness—				
N. J., 1 est.; N. Y., 2; Pa., 4.....	7	104,472	486,617	46,780	Ga., 1 est.; Iowa, 2; N. J., 1.....	4	62,348	329,896	33,431
Other States (Calif., 1 est.; Colo., 2; Ind., 2; Iowa, 1; Kans., 1; Tex., 1; Utah, 1).....	9	90,363	137,755	15,465	10- to 16-inch floor thickness—				
10- and 12-inch wall thickness, total.....	13	108,886	186,857	23,904	Ga., 1 est.; Ill., 2; Iowa, 1; Ohio, 1.....	5	157,556	323,964	46,433
N. Y., 1 est.; Ohio, 2; Pa., 2.....	5	50,640	77,267	8,555	FLOORING BRICK:				
Other States (Calif., 1 est.; Colo., 2; Ga., 2; Ill., 2; N. J., 1).....	8	58,246	109,590	15,349	Standard (1½ to 2 inches thick), total.....	10	1,231,223	3,214,492	102,464
All other sizes, total.....	38	4,402,123	20,699,072	1,881,747	Ohio.....	5	1,057,303	2,866,916	63,603
Illinois.....	5	779,210	2,005,200	225,695	Other States (Calif., 1 est.; Ind., 1; Okla., 1; Tex., 2).....	5	173,925	347,576	38,861
Texas.....	4	578,500	4,354,960	180,860	Heavy duty (over 2 inches thick)—				
Ind., 2 est.; Ky., 1; Mich., 1; Tenn., 2.....	6	531,792	4,241,925	421,436	Ohio, 4 est.; Pa., 1; Wash., 1.....	6	259,977	608,983	25,625
Ohio, 4 est.; Pa., 4.....	8	678,590	2,846,807	301,973	VITRIFIED BRICK FOR PAVING, TOTAL.....	34	28,833	Thousands 61,068	1,540,168
Other States (Ala., 2 est.; Ark., 4; Colo., 1; Iowa, 2; Kans., 1; Minn., 1; N. J., 1; Okla., 1; Wash., 1; W. Va., 1).....	15	1,834,031	7,250,180	751,783	Ohio.....	11	16,934	33,723	858,550
SILO AND CORNER TILE, TOTAL.....	23	14,641	25,651	207,523	West Virginia.....	4	342	1,799	40,187
Iowa.....	6	5,304	11,694	91,710	Ill., 3 est.; Ind., 2.....	5	3,731	3,787	96,252
Ohio.....	5	4,014	3,645	27,268	Md., 1 est.; Pa., 6.....	7	4,368	15,898	428,284
					Other States (Ga., 1 est.; Kans., 1; Mo., 1; N. Y., 1; Okla., 1; Tex., 2).....	7	3,458	5,856	116,895

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	29,069	22,457	21,687	24,777	28,514	31,147	33,072	32,798	33,024	32,387	31,608	29,071	27,387
1937.....	27,742	22,666	22,498	26,262	30,062	32,924	32,766	31,685	30,223	29,497	27,644	25,137	21,538
Alabama.....	846	816	818	828	863	895	917	851	878	812	798	798	808
Arizona.....	118	91	89	109	99	123	192	129	154	130	99	99	103
Arkansas.....	430	340	396	413	451	453	469	450	441	456	438	426	427
California.....	649	361	357	499	588	735	890	922	938	854	670	531	438
Colorado.....	400	309	295	142	397	480	535	539	503	465	401	395	341
Connecticut.....	420	204	145	183	358	575	657	618	583	536	500	386	291
Delaware.....	68	46	47	61	63	68	67	83	81	70	78	75	71
Florida.....	160	147	149	151	160	162	169	169	171	168	150	152	
Georgia.....	985	824	903	932	935	954	953	1,073	1,080	1,038	1,020	1,079	1,031
Idaho.....	59	27	26	35	64	99	111	97	83	84	43	24	24
Illinois.....	1,948	1,330	1,170	1,544	1,753	2,206	2,280	1,965	2,165	2,135	2,578	2,316	1,935
Indiana.....	1,102	921	859	929	1,066	1,166	1,261	1,216	1,290	1,166	1,142	1,154	1,055
Iowa.....	851	611	452	588	866	984	998	995	974	983	973	927	863
Kansas.....	219	219	215	248	264	274	234	215	212	219	151	189	187
Kentucky.....	425	273	283	364	388	473	483	498	538	551	623	418	310
Louisiana.....	395	328	329	371	402	392	421	431	400	423	431	384	425
Maine.....	121	29	32	26	43	156	191	214	212	226	180	104	34
Maryland.....	607	537	508	630	622	604	642	611	612	662	626	619	603
Massachusetts.....	259	192	123	204	240	317	337	324	312	285	293	269	216
Michigan.....	466	481	461	465	477	493	465	462	465	501	611	473	369
Minnesota.....	199	80	84	98	178	243	281	277	291	264	244	184	165
Mississippi.....	441	361	345	457	490	494	446	456	488	479	466	428	386
Missouri.....	483	340	401	436	524	511	558	561	473	501	536	510	449
Montana.....	75	37	35	33	77	109	100	120	99	81	77	66	67
Nebraska.....	189	80	97	125	197	243	269	264	268	249	200	152	136
New Hampshire.....	124	34	29	37	68	191	242	245	204	201	142	58	34
New Jersey.....	861	657	586	602	862	846	976	1,001	1,018	969	1,015	907	897
New Mexico.....	116	111	104	114	114	119	122	124	127	119	119	123	101
New York.....	2,024	1,193	790	1,475	2,051	2,239	2,545	2,481	2,544	2,379	2,274	2,207	2,121
North Carolina.....	1,430	1,228	1,219	1,323	1,492	1,515	1,539	1,562	1,562	1,519	1,448	1,426	1,309
Ohio.....	4,037	3,235	3,336	3,626	3,799	4,075	4,374	4,369	4,507	4,549	4,355	4,356	3,859
Oklahoma.....	268	256	260	260	260	302	275	260	267	287	261	255	243
Oregon.....	109	72	77	97	111	113	115	132	135	121	121	115	96
Pennsylvania.....	2,427	1,990	1,830	1,914	2,263	2,502	2,718	2,749	2,703	2,641	2,673	2,646	2,496
South Carolina.....	801	747	762	868	852	819	825	815	808	813	788	782	748
Tennessee.....	874	714	647	744	887	933	970	940	917	946	926	945	922
Texas.....	1,432	1,261	1,428	1,461	1,497	1,421	1,497	1,515	1,510	1,477	1,440	1,340	1,331
Utah.....	244	191	191	228	255	267	260	268	253	260	271	247	233
Virginia.....	1,182	916	952	1,090	1,265	1,262	1,191	1,313	1,283	1,291	1,281	1,275	1,122
Washington.....	238	156	160	220	260	262	298	271	278	297	242	193	178
West Virginia.....	516	426	393	489	537	556	574	554	572	585	564	496	449
Wisconsin.....	158	67	71	70	90	173	243	254	255	229	213	138	87
Wyoming.....	16	9	9	10	9	18	22	26	20	20	16	16	14

## CENSUS OF MANUFACTURES: 1939

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	800
Reporting expenditures for plant and equipment.....	517
Value of products:	
Total for the industry.....	\$78,153,227
Reporting expenditures for plant and equipment.....	58,797,710
Expenditures for plant and equipment:	
Total for the industry.....	3,591,692
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	1,568,405
Expenditures for new machinery and operating equipment.....	1,644,708
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	357,573
Expenditures unclassified.....	21,006

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$17,230,373	\$14,635,549
Finished products.....	15,000,862	12,630,302
Materials, supplies, etc.....	2,229,511	2,005,247
End of year, total.....	16,776,356	17,329,438
Finished products.....	14,287,257	15,200,624
Materials, supplies, etc.....	2,489,099	2,128,814
Value of products for the industry, total.....	78,153,227	65,901,116
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	73,324,860	58,517,038
Value for establishments not reporting inventories.....	4,828,367	7,384,078

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	800
Number of establishments reporting power equipment.....	774
Prime movers, aggregate:	
Number.....	707
Horsepower.....	70,159
Prime movers, driving generators, total—	
Number.....	109
Horsepower.....	18,237

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>—Continued

	1939
Prime movers—Continued.	
Prime movers, driving generators—Continued.	
Steam engines—	
Number.....	42
Horsepower.....	8,024
Steam turbines—	
Number.....	4
Horsepower.....	1,762
Diesel and semi-Diesel engines—	
Number.....	35
Horsepower.....	4,762
Other internal-combustion engines <sup>2</sup> —	
Number.....	26
Horsepower.....	3,569
Hydroturbines and water wheels—	
Number.....	2
Horsepower.....	120
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	2,025
Prime movers not driving generators, total—	
Number.....	598
Horsepower.....	51,922
Steam engines—	
Number.....	289
Horsepower.....	32,850
Steam turbines—	
Number.....	5
Horsepower.....	795
Diesel and semi-Diesel engines—	
Number.....	53
Horsepower.....	5,697
Other internal-combustion engines <sup>2</sup> —	
Number.....	248
Horsepower.....	12,505
Hydroturbines and water wheels—	
Number.....	3
Horsepower.....	75
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	1,813
Generators, kilowatt rating, total.....	10,135
Generators, driven by—	
Steam engines, kilowatt rating.....	4,311
Steam turbines, kilowatt rating.....	1,100
Diesel and semi-Diesel engines, kilowatt rating.....	2,615
Other internal-combustion engines, <sup>2</sup> kilowatt rating.....	2,019
Hydroturbines and water wheels, kilowatt rating.....	90
Generators, ordinarily idle (included above), kilowatt rating.....	1,393
Electric motors, total:	
Number.....	8,082
Horsepower.....	180,287
Driven by purchased energy—	
Number.....	7,424
Horsepower.....	170,461
Driven by energy generated in establishments reporting—	
Number.....	658
Horsepower.....	9,826
Electric energy (kilowatt-hours):	
Generated in plant.....	10,334,640
Sold.....	389,085
Purchased.....	154,639,118

<sup>1</sup> Comparable data for 1929 not available.<sup>2</sup> Gas, gasoline, etc.

# TERRA COTTA

[A preliminary report for this industry was issued October 12, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of architectural terra cotta. Prior to the 1939 census this industry was a part of the industry entitled Clay Products, Other Than Pottery. A special tabulation was made of the 1937 census reports in order to obtain figures comparable with those for 1939.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	12	1,099	\$1,298,603	\$757,441	\$3,175,310	\$2,417,869	1,885
1937 <sup>4</sup> .....	14	1,126	1,322,275	851,646	3,253,359	2,401,713	( <sup>5</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> Data not available for years prior to 1937.  
<sup>5</sup> Not called for on schedule.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**  
 [See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	New Jersey	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	12	3	9
Proprietors and firm members.....	1		1
Persons reported by manufacturing establishments, total <sup>3</sup> .....	1,297	546	752
Salaried officers of corporations <sup>4</sup> .....	14		14
Manufacturing:			
Salaried employees <sup>5</sup> .....	144	70	74
Wage earners (average for the year) <sup>6</sup> .....	1,099	475	625
Distribution.....	24	1	23
Construction.....	16		16
Other.....			
Salaries and wages, total <sup>7</sup> .....	\$1,666,836	\$717,123	\$949,713
Salaried officers <sup>8</sup> .....	62,691		62,691
Manufacturing:			
Salaries <sup>9</sup> .....	241,931	117,735	124,196
Wages.....	1,298,603	593,088	700,535
Distribution.....	47,151	1,320	45,831
Construction.....	16,460		16,460
Other.....			

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued**

ITEM	United States	New Jersey	Other States <sup>1</sup>
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	\$757,441	\$335,280	\$422,161
Materials and supplies.....	452,122	204,486	247,636
Fuel.....	248,092	113,074	135,018
Purchased electric energy.....	56,213	17,720	38,493
Contract work.....	1,014		1,014
Value of products.....	3,175,310	1,225,387	1,949,923
Value added by manufacture <sup>2</sup> .....	2,417,869	890,107	1,527,762

<sup>1</sup> California, 1 establishment; Colorado, 1; Illinois, 2; Missouri, 1; New Jersey, 1; New York, 1; Pennsylvania, 2; Washington, 1.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS AND STOCKS ON HAND AT END OF YEAR FOR THE UNITED STATES: 1939 AND 1937**

	1939	1937
Terra Cotta industry, all products, total value.....	\$3,175,310	\$3,253,359
Terra cotta made in this industry.....	\$2,704,589	\$2,853,071
Other products (not classified in this industry).....	\$470,721	\$400,288
Terra cotta made as a secondary product in other industries.....	\$156,406	\$61,730
Terra cotta, total:		
Production..... short tons.....	28,009	28,747
Production..... value.....	\$2,860,995	\$2,914,801
Stocks, December 31..... short tons.....	4,347	4,240

<sup>1</sup> Includes value of sewer pipe, unglazed roofing tile, glazed or enameled tile, and conduit.  
<sup>2</sup> All produced within the Structural Clay Products subgroup except a very small amount.

**TABLE 4.—TERRA COTTA—NUMBER OF ESTABLISHMENTS; PRODUCT BY QUANTITY AND VALUE AND STOCKS ON HAND AT END OF YEAR; BY STATES: 1939**

KIND AND STATE	Number of establishments	Stocks Dec. 31, 1939 (quantity)	PRODUCTION	
			Quantity	Value
Terra cotta, total.....	15	Short tons 4,347	Short tons 28,009	\$2,860,995
New Jersey.....	3	1,798	12,282	1,173,065
N. Y., 1 est.; Pa., 2.....	3	153	1,745	172,499
Other States (Calif., 3 est.; Colo., 1; Ill., 2; Mo., 1; Ohio, 1; Wash., 1).....	9	2,396	13,982	1,514,531

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND FOR NEW JERSEY, 1939

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939	1,099	1,085	1,112	1,084	1,042	1,051	1,107	1,136	1,172	1,046	1,128	1,118	1,111
1937	1,126	1,106	1,127	1,155	1,120	1,108	1,124	1,167	1,169	1,152	1,120	1,004	1,074
New Jersey	475	424	440	447	411	436	481	522	532	450	509	513	532

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	12
Reporting expenditures for plant and equipment	9
Value of products:	
Total for the industry	\$3,175,310
Reporting expenditures for plant and equipment	2,988,622
Expenditures for plant and equipment:	
Total for the industry	228,908
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	117,684
Expenditures for new machinery and operating equipment	109,049
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	2,175

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total	\$1,050,375	\$1,026,210
Finished products	484,293	432,499
Materials, supplies, etc.	566,082	593,711
End of year, total	1,088,598	1,122,574
Finished products	519,372	528,527
Materials, supplies, etc.	569,226	594,047
Value of products for the industry, total	3,175,310	3,253,359
Value for establishments reporting inventories (includes values of products of establishments reporting no inventories on hand)	3,175,310	3,034,595
Value for establishments not reporting inventories		218,764

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments	12
Number of establishments reporting power equipment	12
Prime movers, aggregate:	
Number	10
Horsepower	1,885
Prime movers, steam engines, driving generators—	
Number	6
Horsepower	1,375
Prime movers, driving generators, ordinarily idle (included above), horsepower	500
Prime movers, steam engines, not driving generators—	
Number	4
Horsepower	510
Prime movers not driving generators, ordinarily idle (included above), horsepower	210
Generators, driven by steam engines, kilowatt rating	1,050
Generators, ordinarily idle (included above), kilowatt rating	400
Electric motors, total:	
Number	520
Horsepower	5,550
Driven by purchased energy—	
Number	382
Horsepower	4,353
Driven by energy generated in establishments reporting—	
Number	138
Horsepower	1,197
Electric energy (kilowatt-hours):	
Generated in plant	1,068,000
Purchased	3,618,720

<sup>1</sup> Comparable data for 1929 not available.

# ROOFING TILE

[A preliminary report for this industry was issued October 15, 1940]

This industry embraces establishments primarily engaged in the manufacture of roofing tile from clay. Prior to the 1939 census this industry was a part of the industry entitled Clay Products, Other Than Pottery. A special tabulation was made of the 1937 census reports in order to obtain figures comparable with those for 1939.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	16	628	\$615,607	\$376,245	\$1,824,881	\$1,448,636	2,530
1937 <sup>4</sup> .....	20	793	743,826	361,192	1,889,573	1,528,381	(5)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> Data not available for years prior to 1937.  
<sup>5</sup> Not called for on schedule.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**  
 [See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	16	8	8
Proprietors and firm members.....	9	9	.....
Persons reported by manufacturing establishments, total <sup>3</sup> .....	726	124	602
Salaried officers of corporations <sup>4</sup> .....	7	1	6
Manufacturing:			
Salaried employees <sup>5</sup> .....	75	10	65
Wage earners (average for the year) <sup>6</sup> .....	628	108	520
Distribution.....	16	5	11
Construction.....			
Other.....			
Salaries and wages, total <sup>3</sup> .....	\$787,360	\$133,352	\$654,008
Salaried officers <sup>7</sup> .....	11,002	2,760	8,242
Manufacturing:			
Salaries <sup>8</sup> .....	136,966	15,836	121,130
Wages.....	615,607	106,393	509,214
Distribution.....	22,006	8,363	13,643
Construction.....	1,779		1,779
Other.....			
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	376,245	89,014	287,231
Materials and supplies.....	141,573	42,911	98,667
Fuel.....	205,073	32,784	172,289
Purchased electric energy.....	29,594	13,319	16,275
Contract work.....			
Value of products.....	1,824,881	329,959	1,494,922
Value added by manufacture <sup>9</sup> .....	1,448,636	240,945	1,207,691

<sup>1</sup> Alabama, 1 establishment; Arizona, 1; Colorado, 1; Georgia, 1; Illinois, 1; Kansas, 1; North Carolina, 1; Ohio, 1.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS AND STOCKS ON HAND AT END OF YEAR FOR THE UNITED STATES: 1939 AND 1937**

PRODUCT	1939	1937
Roofing Tile industry, all products, total value.....	\$1,824,881	\$1,889,573
Roofing tile made in this industry.....	\$1,684,131	\$1,667,203
Other products (not classified in this industry).....	<sup>1</sup> \$140,750	\$222,370
Roofing tile:		
Total:		
Production.....squares (100 sq. ft.)..	243,040	228,335
value.....	\$2,375,770	\$2,053,863
Stocks, December 31.....squares (100 sq. ft.)..	87,024	89,270
Roofing tile made in this industry:		
Production.....squares (100 sq. ft.)..	160,396	180,174
value.....	\$1,684,131	\$1,667,203
Stocks, December 31.....squares (100 sq. ft.)..	45,677	60,645
Roofing tile made as a secondary product in other industries in this subgroup:		
Production.....squares (100 sq. ft.)..	82,644	48,161
value.....	\$691,639	\$386,600
Stocks, December 31.....squares (100 sq. ft.)..	41,347	28,625

<sup>1</sup> Value of structural clay load-bearing tile, quarry or promenade floor tile, paving brick used for building purposes, structural clay nonload-bearing tile, and drain tile.

**TABLE 4.—ROOFING TILE—NUMBER OF ESTABLISHMENTS; PRODUCT BY QUANTITY AND VALUE; AND STOCKS ON HAND AT END OF YEAR; BY STATES: 1939**

KIND AND STATE	Number of establishments	Stocks Dec. 31, 1939 (quantity)	PRODUCTION	
			Quantity	Value
Roofing tile, total.....	47	Squares (100 sq. ft.) 87,024	Squares (100 sq. ft.) 243,040	\$2,375,770
California.....	18	38,954	82,780	709,613
Ala., 2 est.; Ky., 1; Tenn., 3.....	6	6,949	33,513	191,089
Ariz., 1 est.; Colo., 3; N. Mex., 2.....	6	1,905	8,220	79,873
La., 1 est.; Tex., 4.....	5	3,487	12,641	93,185
Other States (Ga., 1; Ill., 1; Iowa, 1; Kans., 2; Mo., 1; N. C., 2; Ohio, 1; Utah, 1; Wash., 2).....	12	35,728	105,880	1,302,010

**TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND FOR CALIFORNIA, 1939**

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—													
		January	February	March	April	May	June	July	August	September	October	November	December		
United States:															
1939.....	628	566	565	582	620	596	611	659	674	668	669	684	643		
1937.....	793	711	760	797	793	883	909	1,007	915	877	786	768	612		
California.....	108	111	101	104	108	101	104	103	103	110	111	125	112		

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	16
Reporting expenditures for plant and equipment.....	10
Value of products:	
Total for the industry.....	\$1,824,881
Reporting expenditures for plant and equipment.....	1,568,488
Expenditures for plant and equipment:	
Total for the industry.....	34,663
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	6,349
Expenditures for new machinery and operating equipment.....	20,514
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	7,800

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$552,893	\$239,248
Finished products.....	400,179	217,211
Materials, supplies, etc.....	152,714	22,037
End of year, total.....	575,943	263,830
Finished products.....	424,016	238,735
Materials, supplies, etc.....	151,927	25,095
Value of products for the industry, total.....	1,824,881	1,889,573
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	1,816,281	1,794,712
Value for establishments not reporting inventories.....	8,600	94,861

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	16
Number of establishments reporting power equipment.....	16
Prime movers, aggregate:	
Number.....	13
Horsepower.....	2,530
Prime movers, driving generators, total—	
Number.....	6
Horsepower.....	1,200
Steam engines—	
Number.....	3
Horsepower.....	875
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—	
Number.....	3
Horsepower.....	325
Prime movers not driving generators, total—	
Number.....	7
Horsepower.....	1,330
Steam engines—	
Number.....	2
Horsepower.....	750
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—	
Number.....	5
Horsepower.....	580
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	90
Generators, kilowatt rating, total.....	820
Generators, driven by—	
Steam engines, kilowatt rating.....	625
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel, kilowatt rating.....	195
Electric motors, total:	
Number.....	307
Horsepower.....	3,888
Driven by purchased energy—	
Number.....	117
Horsepower.....	2,071
Driven by energy generated in establishments reporting—	
Number.....	190
Horsepower.....	1,817
Electric energy (kilowatt-hours):	
Generated in plant.....	1,163,325
Purchased.....	1,678,961

<sup>1</sup> Comparable data for 1929 not available.<sup>2</sup> Gas, gasoline, etc.

## FLOOR AND WALL TILE (EXCEPT QUARRY TILE)

[A preliminary report for this industry was issued September 19, 1940]

This industry embraces establishments primarily engaged in the manufacture of floor tile, ceramic tile, mosaic tile, glazed or enameled tile including faience, white glazed or other tile used as floor or wall tile, except quarry tile. Prior to the 1939 census this industry was a part of the industry entitled Clay Products, Other Than Pottery. A special tabulation was made of the 1937 census reports in order to obtain figures comparable with those for 1939.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	49	5,681	\$5,931,149	\$5,142,384	\$17,658,885	\$12,516,501	899
1937 <sup>4</sup> .....	53	6,288	6,530,750	5,324,387	17,086,083	11,761,606	(9)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> Data not available for years prior to 1937.  
<sup>5</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	New Jersey	Ohio	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	49	15	14	5	5	10
Proprietors and firm members.....	19	11	4	-----	3	1
Persons reported by manufacturing establishments, total <sup>3</sup> .....	6,434	1,225	1,217	1,983	720	1,290
Salaried officers of corporations <sup>3</sup> .....	69	12	21	10	9	17
Manufacturing:						
Salaried employees <sup>3</sup> .....	420	60	61	134	68	97
Wage earners (average for the year) <sup>4</sup> .....	5,681	1,102	1,091	1,763	618	1,108
Distribution.....	237	48	34	73	23	59
Construction.....	21	3	10	3	2	3
Other.....	6	-----	-----	-----	-----	6
Salaries and wages, total <sup>3</sup> .....	\$7,523,378	\$1,558,761	\$1,246,502	\$2,437,169	\$820,406	\$1,454,450
Salaried officers <sup>3</sup> .....	327,775	61,201	88,761	48,426	49,331	80,056
Manufacturing:						
Salaries <sup>3</sup> .....	686,069	129,071	97,891	204,290	120,117	134,700
Wages.....	5,931,149	1,288,805	984,042	1,969,201	573,557	1,115,744
Distribution.....	544,935	76,869	61,135	211,912	80,604	114,355
Construction.....	27,992	3,015	14,673	3,340	2,827	4,137
Other.....	6,458	-----	-----	-----	-----	5,458
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	5,142,384	921,810	1,251,302	1,452,610	549,248	967,414
Materials and supplies.....	3,958,115	762,434	969,286	1,124,372	307,145	704,878
Fuel.....	925,425	118,786	226,649	240,361	126,070	215,559
Purchased electric energy.....	256,067	40,590	55,367	87,877	26,033	46,200
Contract work.....	2,777	-----	-----	-----	-----	2,777
Value of products.....	17,658,885	3,928,189	3,154,098	5,749,279	1,711,237	3,116,082
Value added by manufacture <sup>5</sup> .....	12,516,501	3,006,379	1,902,766	4,296,669	1,101,989	2,148,668

<sup>1</sup> Georgia, 1 establishment; Indiana, 3; Kentucky, 1; Minnesota, 1; New York, 1; West Virginia, 2; Wisconsin, 1.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939	1937
Floor and Wall Tile (Except Quarry Tile) industry, all products, total value.....	\$17,658,885	\$17,086,083
Floor and wall tile made in this industry.....	16,198,710	15,540,641
Miscellaneous products not specified.....	50,000	
Other products (not classified in this industry).....	1,410,175	1,545,442
Floor and wall tile, total value.....	16,540,468	16,034,864
Floor and wall tile made in this industry.....	16,198,710	15,540,641
Floor and wall tile made as secondary products in other industries.....	341,758	494,223

<sup>1</sup> Value of whiteware, sewer pipe, art pottery, sagers (of own make), vitreous-china bathroom and toilet fixtures, and porcelain electrical specialties.  
<sup>2</sup> Of this amount, \$168,608 is produced by other industries within the Structural Clay Products subgroup.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, AND STOCKS ON HAND AT END OF YEAR FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Total value.....	\$16,540,468	\$16,034,864
Floor tile (heavy duty pavers, plain, hand-made, encaustic, etc.) other than quarry tile:		
Production..... square feet..	1,854,951	
value.....	\$394,238	
Stocks, December 31..... square feet..	715,327	
Ceramic mosaic tile, including trim (glazed and unglazed):		
Production..... square feet..	17,810,059	
value.....	\$3,302,961	
Stocks, December 31..... square feet..	5,195,190	
Glazed or enameled tile:		
Faience tile, including mosaics and trim—		
Production..... square feet..	602,296	
value.....	\$260,824	
Stocks, December 31..... square feet..	140,065	\$64,743,368
White glazed tile, including trim—		
Production..... square feet..	15,700,648	\$16,034,864
value.....	\$3,586,555	\$15,036,173
Stocks, December 31..... square feet..	1,848,980	
All other (glazed or enameled) including trim—		
Production..... square feet..	30,364,077	
value.....	\$8,900,843	
Stocks, December 31..... square feet..	5,014,076	
Other tile, including decorative strips, etc.:		
Production..... square feet..	61,156	
value.....	\$95,047	
Stocks, December 31..... square feet..	10,367	

<sup>1</sup> Includes \$168,608 produced within the Structural Clay Products subgroup.  
<sup>2</sup> Includes data on quarry tile. Shown in "Clay products (except pottery) not elsewhere classified" industry for 1939.

TABLE 5.—FLOOR AND WALL TILE (EXCEPT QUARRY TILE)—NUMBER OF ESTABLISHMENTS; PRODUCTS, BY KIND, QUANTITY, AND VALUE; AND STOCKS ON HAND AT END OF YEAR; BY STATES: 1939

KIND AND STATE	Number of establishments	Stocks Dec. 31, 1939 (quantity)	PRODUCTION	
			Quantity	Value
Floor tile (heavy duty, pavers, plain, hand-made, encaustic, etc.) other than quarry tile, total.....	22	Square feet 715,327	Square feet 1,854,951	\$394,238
Ill., 2 est.; Ind., 2	4	126,177	316,083	41,552
Iowa, 1 est.; Mich., 1; Minn., 1	3	3,000	93,785	17,487
N. J., 3 est.; N. Y., 1	4	164,180	603,440	114,857
Ohio, 2 est.; Pa., 2	4	151,350	808,484	210,861
Other States (Ariz., 1 est.; Calif., 2; Fla., 1; Kans., 1; W. Va., 1; Wis., 1)	7	270,620	33,159	9,481
Ceramic mosaic tile, including trim (glazed and unglazed), total.....	28	5,195,190	17,810,059	3,302,961
California.....	4	132,121	428,104	118,168
New Jersey.....	6	1,771,358	5,746,526	833,526
Ohio.....	4	1,456,828	5,571,913	1,108,079
Pennsylvania.....	5	728,803	1,621,696	275,464
Other States (Ga., 1 est.; Ind., 2; Minn., 1; N. Y., 1; Tex., 1; Wash., 1; W. Va., 1; Wis., 1)	9	1,106,520	4,441,820	967,724
Glazed or enameled tile:				
Faience tile, including mosaics and trim, total.....	11	140,065	602,296	260,824
N. J., 1 est.; Ohio, 2; Pa., 1;	4	43,324	102,039	112,962
Other States (Calif., 4 est.; Tex., 1; W. Va., 1; Wis., 1)	7	96,741	500,257	147,862
White glazed tile, including trim, total.....	19	1,848,980	15,700,648	3,586,555
California.....	6	161,586	1,963,684	650,289
Ohio.....	4	472,623	4,121,714	912,926
Other States (Ga., 1 est.; Ind., 1; Md., 1; N. J., 3; Pa., 2; W. Va., 1)	9	1,214,771	9,615,250	2,023,340
All other (glazed or enameled), including trim, total.....	24	5,014,076	30,364,077	8,900,843
California.....	8	880,786	5,281,448	2,012,550
New Jersey.....	5	390,722	4,132,946	992,465
Ohio.....	4	2,262,478	12,279,034	3,564,557
Pa., 2 est.; W. Va., 1	3	1,095,114	5,498,615	1,507,000
Other States (Ga., 1 est.; Ind., 2; Ky., 1)	4	414,976	3,172,034	824,171
Other tile, including decorative strips, etc.:				
Calif., 3 est.; Mass., 1; Mich., 1; N. J., 1; Wis., 1	7	10,367	61,156	95,047

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	5,681	4,961	5,295	5,385	5,574	5,593	5,729	5,888	5,875	6,032	6,003	6,017	5,824
1937.....	6,288	5,792	6,117	6,371	6,612	6,637	6,801	6,761	6,684	6,667	6,103	5,689	5,224
California.....	1,102	1,120	1,120	1,106	1,076	1,060	1,060	1,086	1,137	1,112	1,111	1,129	1,102
Indiana.....	441	369	407	421	467	439	426	452	460	488	486	494	385
New Jersey.....	1,091	904	945	1,018	1,119	1,132	1,175	1,182	1,016	1,154	1,140	1,163	1,143
Ohio.....	1,763	1,360	1,607	1,616	1,678	1,719	1,777	1,842	1,931	1,939	1,920	1,894	1,868
Pennsylvania.....	618	595	594	593	595	582	612	631	642	634	646	647	644

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	49
Reporting expenditures for plant and equipment.....	30
Value of products:	
Total for the industry.....	\$17,658,885
Reporting expenditures for plant and equipment.....	15,028,573
Expenditures for plant and equipment:	
Total for the industry.....	547,921
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	212,419
Expenditures for new machinery and operating equipment.....	232,546
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	102,956

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$4,027,453	\$4,159,652
Finished products.....	2,580,930	2,688,673
Materials, supplies, etc.....	1,446,523	1,470,979
End of year, total.....	4,123,047	4,346,875
Finished products.....	2,557,732	3,114,018
Materials, supplies, etc.....	1,565,315	1,732,857
Value of products for the industry, total.....	17,658,885	17,086,083
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	17,466,171	16,970,328
Value for establishments not reporting inventories.....	192,714	115,755

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	49
Number of establishments reporting power equipment.....	48
Prime movers, aggregate:	
Number.....	6
Horsepower.....	899
Prime movers, steam engines, driving generators—	
Number.....	1
Horsepower.....	300
Prime movers not driving generators, total—	
Number.....	5
Horsepower.....	599
Steam engines—	
Number.....	2
Horsepower.....	139
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—	
Number.....	3
Horsepower.....	460
Generators driven by steam engines, kilowatt rating.....	200
Electric motors, total:	
Number.....	2,740
Horsepower.....	13,199
Driven by purchased energy—	
Number.....	2,684
Horsepower.....	12,622
Driven by energy generated in establishments reporting—	
Number.....	65
Horsepower.....	577
Electric energy (kilowatt-hours):	
Generated in plant.....	613,648
Purchased.....	16,888,303

<sup>1</sup> Comparable data for 1929 not available.

<sup>2</sup> Gas, gasoline, etc.

# SEWER PIPE AND KINDRED PRODUCTS

[A preliminary report for this industry was issued October 19, 1940]

This industry embraces establishments primarily engaged in the manufacture of sewer pipe and kindred products made of clay. Prior to the 1939 census this industry was a part of the industry entitled Clay Products, Other Than Pottery. A special tabulation was made of the 1937 census reports in order to obtain figures comparable with those for 1939.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	65	6,406	\$6,817,738	\$4,628,074	\$18,295,679	\$13,667,605	16,638
1937 <sup>4</sup> .....	64	6,270	6,271,025	4,287,578	15,894,789	11,607,211	(9)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> Data not available for years prior to 1937. <sup>5</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Indiana	Iowa	Kentucky	Missouri	Ohio	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	65	5	3	3	3	3	22	5	21
Proprietors and firm members.....	6						2		4
Persons reported by manufacturing establishments, total <sup>3</sup> .....	7,051	545	299	292	331	367	2,390	785	2,043
Salaried officers of corporations <sup>4</sup> .....	77	3	5	8	6	6	18	8	23
Manufacturing:									
Salaried employees <sup>5</sup> .....	335	23	17	10	7	25	128	36	89
Wage earners (average for the year) <sup>6</sup> .....	6,406	502	271	253	305	314	2,210	727	1,820
Distribution.....	195	15	6	16	11	14	28	10	95
Construction.....	36	2			2	8	6	2	16
Other.....	2							2	
Salaries and wages, total <sup>7</sup> .....	\$8,276,040	\$688,110	\$369,403	\$371,988	\$384,288	\$390,243	\$2,959,384	\$1,056,888	\$2,055,736
Salaried officers <sup>8</sup> .....	391,355	19,376	28,544	41,995	31,321	29,990	43,815	37,300	159,014
Manufacturing:									
Salaries <sup>9</sup> .....	621,046	48,058	25,583	24,343	25,481	38,713	229,101	64,285	165,482
Wages.....	6,817,738	594,153	296,647	267,531	293,123	285,581	2,629,529	928,735	1,522,439
Distribution.....	402,334	22,321	18,629	38,119	32,794	24,714	46,385	23,720	195,652
Construction.....	41,479	4,202			1,569	11,245	10,564	1,100	12,809
Other.....	2,088							1,748	340
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	4,628,074	318,534	227,976	240,968	163,813	261,506	1,386,930	537,359	1,490,988
Materials and supplies.....	1,782,414	145,637	101,357	70,097	55,674	89,937	484,154	245,464	590,094
Fuel.....	2,630,162	140,777	119,131	167,433	104,439	165,165	839,649	277,345	816,213
Purchased electric energy.....	212,508	32,120	7,488	3,438	3,700	6,404	60,127	14,550	84,681
Contract work.....	3,000						3,000		
Value of products.....	18,295,679	1,665,234	875,642	803,349	676,720	860,204	6,285,299	2,330,112	4,799,119
Value added by manufacture <sup>10</sup> .....	13,667,605	1,346,700	647,666	562,381	512,907	598,698	4,898,369	1,792,753	3,308,131

<sup>1</sup> Alabama, 2 establishments; Georgia, 2; Illinois, 2; Kansas, 1; Maine, 1; Michigan, 1; Minnesota, 2; North Carolina, 1; South Carolina, 1; Tennessee, 1; Texas, 3; Virginia, 1; Washington, 2; Wyoming, 1.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Sewer Pipe and Kindred Products industry, all products, total value.....	\$18,295,679	\$15,894,789
Sewer pipe and kindred products made in this industry.....	13,963,990	12,285,745
Miscellaneous products not specified.....	39,494	
Other products (not classified in this industry).....	4,292,195	3,609,044
Sewer pipe and kindred products, aggregate value.....	15,964,195	13,796,729
Sewer pipe and kindred products made in this industry.....	13,963,990	12,285,745
Sewer pipe and kindred products made as secondary products in other industries in the subgroup.....	2,000,205	1,510,984

<sup>1</sup> Value of flue lining, drain tile, wall coping, brick, terra cotta, and fire-clay products.

SEWER PIPE AND KINDRED PRODUCTS

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, AND STOCKS ON HAND AT END OF YEAR, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939			1937
	Produced in the industry	Produced in other industries within the Structural Clay Products subgroup	Aggregate	
Total value.....	\$13,963,990	\$2,000,205	\$15,964,195	\$13,786,729
Sewer pipe:				
Production..... short tons.....	985,378	90,806	1,076,184	973,142
value.....	\$13,963,990	\$1,779,111	\$15,743,101	\$13,718,240
Stocks, December 31..... short tons.....	346,487	40,517	387,004	417,616
Sewer brick:				
Production..... thousands.....	(1)	13,498	13,498	(2)
value.....	(1)	\$221,094	\$221,094	(2)
Stocks, December 31..... thousands.....	(1)	2,686	2,686	(2)
Sewer liners:				
Production..... short tons.....	(3)	(3)	(3)	5,507
value.....	(3)	(3)	(3)	\$78,489
Stocks, December 31..... short tons.....	(3)	(3)	(3)	3,577

<sup>1</sup> None reported.   <sup>2</sup> Data not available.   <sup>3</sup> Not called for on schedule.

TABLE 5.—SEWER PIPE AND KINDRED PRODUCTS—NUMBER OF ESTABLISHMENTS; PRODUCTS BY KIND, QUANTITY, AND VALUE; AND STOCKS ON HAND AT END OF YEAR; BY STATES: 1939

KIND AND STATE	Number of establishments	Stocks Dec. 31, 1939 (quantity)	PRODUCTION	
			Quantity	Value
Sewer pipe, total.....	82	Short tons 387,004	Short tons 1,076,184	\$15,743,101
California.....	8	36,148	56,410	1,397,850
Indiana.....	3	13,250	54,212	830,427
Iowa.....	3	15,747	46,042	604,676
Kentucky.....	3	10,451	36,315	460,619
Missouri.....	4	31,995	60,174	894,240
Ohio.....	26	119,033	403,546	5,430,263
Pennsylvania.....	5	71,072	149,584	1,934,410
Ala., 2 est.; Ga., 2; Tenn., 1.....	5	14,397	67,135	690,641
Colo., 2 est.; Tex., 3.....	5	28,535	62,352	1,043,922
Ill., 3 est.; Mich., 2.....	5	8,043	42,323	658,381
N. C., 2 est.; S. C., 1.....	3	5,611	40,148	761,864
Utah, 3 est.; Wyo., 1.....	4	2,870	10,090	233,677
Other States (D. C., 1 est.; Kans., 1; Me., 1; Minn., 1; Va., 1; Wash., 3).....	8	29,852	47,253	721,331
Sewer brick:		Thousands 2,686	Thousands 13,498	221,094
Calif., 2 est.; Ohio, 8; Pa., 1; W. Va., 1.....	12			

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	6,406	6,161	5,933	5,942	5,865	5,780	6,686	6,873	6,857	6,830	6,745	6,688	6,513
1937.....	6,270	5,767	5,795	6,319	6,491	6,732	6,900	6,867	6,540	6,397	6,224	5,872	5,335
California.....	502	486	494	506	522	517	520	516	512	516	510	450	462
Indiana.....	271	286	284	289	288	290	290	281	288	236	237	230	239
Iowa.....	263	249	250	250	253	264	263	264	267	268	262	252	254
Kentucky.....	305	304	300	303	302	303	303	305	311	312	308	304	300
Missouri.....	314	366	298	261	247	345	363	370	366	368	290	253	234
Ohio.....	2,210	2,056	1,874	1,855	1,738	1,656	2,382	2,472	2,460	2,458	2,503	2,563	2,497
Pennsylvania.....	727	632	628	708	697	577	716	746	788	808	806	815	804

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	65
Reporting expenditures for plant and equipment.....	48
Value of products:	
Total for the industry.....	\$18,295,679
Reporting expenditures for plant and equipment.....	14,493,677
Expenditures for plant and equipment:	
Total for the industry.....	432,307
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	259,221
Expenditures for new machinery and operating equipment.....	157,060
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	16,026

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$4,721,114	\$4,550,921
Finished products.....	3,865,990	3,771,119
Materials, supplies, etc.....	855,124	779,802
End of year, total.....	4,946,997	5,102,009
Finished products.....	4,040,717	4,352,619
Materials, supplies, etc.....	906,280	839,390
Value of products for the industry, total.....	18,295,679	15,804,789
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	17,171,281	15,473,767
Value for establishments not reporting inventories.....	1,124,398	421,022

## CENSUS OF MANUFACTURES: 1939

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939		1939
Number of establishments.....	65	Prime movers—Continued.	
Number of establishments reporting power equipment.....	63	Prime movers, not driving generators—Continued.	
Prime movers, aggregate:		Other internal-combustion engines <sup>2</sup> —	
Number.....	81	Number.....	10
Horsepower.....	16,638	Horsepower.....	808
Prime movers, driving generators, total—		Prime movers not driving generators, ordinarily idle (included above), horsepower.....	400
Number.....	35	Generators, kilowatt rating, total.....	2,963
Horsepower.....	7,032	Generators, driven by—	
Steam engines—		Steam engines, kilowatt rating.....	2,428
Number.....	29	Steam turbines, kilowatt rating.....	90
Horsepower.....	6,122	Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel, kilowatt rating.....	445
Steam turbines—		Generators, ordinarily idle (included above), kilowatt rating.....	600
Number.....	2	Electric motors, total:	
Horsepower.....	130	Number.....	1,101
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—		Horsepower.....	18,140
Number.....	4	Driven by purchased energy—	
Horsepower.....	780	Number.....	818
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	865	Horsepower.....	14,384
Prime movers not driving generators, total—		Driven by energy generated in establishments reporting—	
Number.....	46	Number.....	283
Horsepower.....	9,606	Horsepower.....	3,756
Steam engines—		Electric energy (kilowatt-hours):	
Number.....	35	Generated in plant.....	3,230,462
Horsepower.....	8,648	Purchased.....	9,362,643
Diesel and semi-Diesel engines—			
Number.....	1		
Horsepower.....	150		

<sup>1</sup> Comparable data for 1929 not available.<sup>2</sup> Gas, gasoline, etc.

# CLAY REFRACTORIES, INCLUDING REFRACTORY CEMENT (CLAY)

[A preliminary report for this industry was issued October 30, 1940]

This industry embraces establishments primarily engaged in the manufacture of fire-brick and other heat-resisting clay products such as clay glass-house tank blocks, stoppers, floaters, and rings.

Prior to the 1939 census this industry was a part of the industry entitled Clay Products, Other Than Pottery. A special tabulation was made of the 1937 census reports in order to obtain figures comparable with those for 1939.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	165	12, 211	\$12, 324, 290	\$13, 213, 515	\$42, 191, 454	\$28, 977, 939	18, 922
1937 <sup>4</sup> .....	163	15, 449	16, 408, 668	17, 822, 700	52, 649, 510	34, 826, 810	(5)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> Data not available for years prior to 1937. <sup>5</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Alabama	California	Colorado	Illinois	Indiana	Kentucky	Missouri	New Jersey	Ohio	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	165	4	8	4	7	3	11	14	8	33	48	25
Proprietors and firm members.....	13	1	2	-----	-----	-----	-----	1	-----	2	4	3
Persons reported by manufacturing establishments, total <sup>3</sup> .....	13, 655	254	359	242	339	124	1, 550	2, 717	408	2, 013	4, 048	1, 600
Salaried officers of corporations <sup>3</sup> .....	124	-----	4	3	7	6	7	10	6	29	34	18
Manufacturing:.....	929	17	21	19	30	14	92	200	40	131	270	95
Wage earners (average for the year) <sup>4</sup> .....	12, 211	235	318	220	281	103	1, 419	2, 317	348	1, 828	3, 691	1, 450
Distribution.....	221	1	14	-----	21	1	10	60	11	20	49	34
Construction.....	138	-----	2	-----	-----	-----	21	102	3	5	2	3
Other.....	32	1	-----	-----	-----	-----	1	28	-----	-----	2	-----
Salaries and wages, total <sup>5</sup> .....	\$15, 404, 131	\$200, 254	\$471, 843	\$326, 824	\$486, 925	\$158, 970	\$1, 668, 736	\$2, 655, 201	\$476, 782	\$2, 437, 268	\$4, 941, 289	\$1, 580, 539
Salaried officers <sup>3</sup> .....	612, 049	-----	12, 275	13, 800	46, 455	19, 545	46, 979	82, 351	36, 649	100, 179	176, 972	76, 844
Manufacturing:.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Salaries <sup>3</sup> .....	1, 794, 163	27, 968	38, 587	41, 545	60, 444	29, 955	174, 836	366, 018	78, 529	259, 065	526, 066	191, 180
Wages.....	12, 324, 290	171, 286	392, 299	271, 479	331, 127	105, 697	1, 399, 253	1, 930, 357	333, 607	2, 030, 538	4, 095, 843	1, 261, 804
Distribution.....	497, 840	600	24, 982	-----	48, 899	3, 773	23, 647	154, 667	26, 779	33, 845	133, 744	46, 904
Construction.....	154, 151	-----	3, 200	-----	-----	-----	22, 511	105, 880	1, 218	13, 641	5, 864	3, 837
Other.....	21, 638	400	-----	-----	-----	-----	1, 510	17, 928	-----	-----	1, 800	-----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	13, 213, 515	268, 288	582, 703	313, 518	481, 525	123, 792	1, 088, 744	3, 223, 986	409, 373	1, 698, 479	3, 826, 677	1, 196, 430
Materials, supplies, and containers.....	8, 795, 805	185, 871	447, 258	231, 559	353, 361	95, 824	597, 121	2, 264, 336	322, 465	1, 029, 216	2, 588, 646	680, 148
Fuel.....	3, 608, 063	79, 397	94, 898	65, 766	98, 237	20, 592	368, 135	802, 293	70, 771	580, 362	1, 011, 431	421, 181
Purchased electric energy.....	796, 051	3, 020	40, 547	16, 193	34, 927	7, 376	123, 488	157, 357	13, 837	88, 901	220, 159	90, 246
Contract work.....	13, 696	-----	-----	-----	-----	-----	-----	2, 300	-----	-----	6, 441	4, 855
Value of products.....	42, 191, 454	650, 838	1, 541, 033	898, 023	1, 322, 544	201, 122	3, 915, 092	9, 554, 375	1, 368, 077	5, 742, 612	12, 340, 613	4, 657, 125
Value added by manufacture <sup>5</sup> .....	28, 977, 939	382, 550	958, 330	584, 505	841, 019	77, 330	2, 826, 348	6, 330, 389	958, 704	4, 044, 133	8, 513, 936	3, 460, 695

<sup>1</sup> Connecticut, 2 establishments; Georgia, 3; Idaho, 1; Maryland, 3; Massachusetts, 1; Michigan, 1; Nevada, 1; New York, 2; South Carolina, 2; Texas, 2; Washington, 2; West Virginia, 4; Wisconsin, 1.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—VALUES OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Clay Refractories, Including Refractory Cement (Clay) industry, all products, total value.....	\$42, 191, 454	\$52, 649, 510
Clay refractories, including refractory cement (clay) made in the industry.....	38, 909, 480	47, 902, 221
Other products (not classified in the industry).....	3, 281, 974	4, 747, 289
Clay refractories, including refractory cement (clay), aggregate value.....	40, 496, 770	49, 864, 121
Clay refractories, including refractory cement (clay) made in the industry.....	38, 909, 480	47, 902, 221
Clay refractories, including refractory cement (clay) made as secondary products in other industries.....	1, 587, 290	1, 961, 900

<sup>1</sup> Value of clay sold, raw or prepared, sewer pipe, refractory cement (nonclay), brick silicon-carbide refractories and shapes, flue lining, roofing tile, rock wool insulation, silica brick, and other non-clay refractories.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, AND STOCKS ON HAND AT END OF YEAR, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939				1937
	Produced in the industry	Produced in other industries within the Structural Clay Products subgroup	Produced in other industries outside the Structural Clay Products subgroup	Aggregate	
Total value.....	\$38,910,450	\$1,027,443	\$558,877	\$40,496,770	\$40,864,121
Fire-clay products:					
Brick, block, or tile, except high-alumina (9-inch equivalent):					
Production.....	484,706	17,439	5,179	507,324	700,947
value.....	\$24,281,130	\$565,509	\$322,658	\$25,169,297	\$32,806,495
Stocks, December 31.....	154,961	5,827	3,913	164,701	231,196
High-alumina brick (over 40 percent Al <sub>2</sub> O <sub>3</sub> ):					
Production.....	16,531	( <sup>2</sup> )	( <sup>2</sup> )	16,714	27,459
value.....	\$1,492,200			\$1,511,700	\$2,133,675
Stocks, December 31.....	5,693			6,100	8,835
Special shapes:					
Production.....	141,685	7,899	1,927	151,511	184,212
value.....	\$3,554,171	\$210,117	\$68,663	\$3,832,951	\$4,750,779
Stocks, December 31.....	47,012	1,815	1,461	50,288	46,655
Plastic fire brick:					
Production.....	43,101	( <sup>2</sup> )	( <sup>2</sup> )	43,679	44,011
value.....	\$1,108,234			\$1,119,956	\$1,281,753
Stocks, December 31.....	3,777			3,833	3,082
Ladle brick:					
Production.....	59,783	( <sup>2</sup> )	( <sup>2</sup> )	59,783	67,401
value.....	\$1,575,189			\$1,575,189	\$1,565,134
Stocks, December 31.....	7,205			7,205	10,977
Glass-house tank blocks, melting pots, stoppers, floaters, and rings:					
Production.....	26,247	( <sup>2</sup> )	( <sup>2</sup> )	26,956	39,392
value.....	\$2,288,077			\$2,338,683	\$3,310,077
Stocks, December 31.....	14,633			15,363	16,541
Refractory cement (clay):					
Production.....	46,186	239	753	47,178	57,927
value.....	\$2,446,986	\$9,976	\$34,431	\$2,491,393	\$2,467,771
Stocks, December 31.....	4,411	9	69	4,489	3,005
All other fire-clay products, including fire-clay dust, value.....	\$2,164,463	( <sup>1</sup> )	( <sup>1</sup> )	\$2,457,601	\$1,548,437

<sup>1</sup> Includes a small amount of "Ladle brick" produced in other industries within the subgroup.

<sup>2</sup> None reported.

<sup>3</sup> Figures not shown separately to avoid disclosing, exactly or approximately, data reported by individual establishments.

TABLE 5.—CLAY REFRACTORIES, INCLUDING REFRACTORARY CEMENT (CLAY)—NUMBER OF ESTABLISHMENTS; PRODUCTS, BY KIND, QUANTITY, AND VALUE; AND STOCKS ON HAND AT END OF YEAR; BY STATES: 1939

KIND AND STATE	Number of establishments	Stocks Dec. 31, 1939 (quantity)	PRODUCTION		KIND AND STATE	Number of establishments	Stocks Dec. 31, 1939 (quantity)	PRODUCTION	
			Quantity	Value				Quantity	Value
FIRE-CLAY PRODUCTS					FIRE-CLAY PRODUCTS—continued				
Brick, block, or tile, except high-alumina (9-inch equivalent), total.....					Plastic fire brick—Continued.				
	160	164,701	507,324	\$25,169,297	Ohio.....	6	161	8,389	\$185,815
Alabama.....	3	4,531	14,959	632,093	Pennsylvania.....	8	677	5,283	82,715
California.....	18	7,796	16,085	930,672	Ill., 2 est.; Mo., 4.....	6	1,430	15,849	447,833
Colorado.....	5	3,080	8,071	343,882	Other States (Ala., 1 est.; Ark., 1; Colo., 2; Idaho, 1; Mass., 1; Mich., 1; Nev., 1; N. J., 2; N. Dak., 1; S. C., 1; Tex., 1; Wash., 2; Wis., 1).....	16	1,510	13,197	371,169
Illinois.....	5	2,220	6,954	254,375	Ladle brick, total.....	11	7,205	59,783	1,575,189
Kentucky.....	10	22,354	51,501	2,655,427	Pa., 2 est.; W. Va., 3.....	5	5,469	48,319	1,292,237
Mississippi.....	3	62	220	3,748	Other States (Colo., 1 est.; Ill., 1; Mo., 2; Ohio, 2).....	6	1,736	11,464	282,952
Missouri.....	11	31,850	99,948	5,208,126	Glass-house tank blocks, melting pots, stoppers, floaters, and rings, total.....	15	15,363	26,956	2,338,683
New Jersey.....	6	2,475	10,139	625,932	Ohio.....	3	4,234	7,556	432,312
Ohio.....	27	27,721	96,759	3,368,969	Ind., 3 est.; Pa., 2.....	5	6,040	6,421	537,296
Pennsylvania.....	39	47,025	155,780	8,550,348	Ky., 1 est.; Mo., 2.....	3	4,350	12,123	1,309,675
Texas.....	6	3,142	6,513	172,096	Other States (Ala., 1 est.; Calif., 3).....	4	739	856	59,400
Idaho, 1 est.; Oreg., 1; Wash., 3.....	5	1,950	6,078	306,597	Refractory cement (clay), total.....	60	4,489	47,178	2,491,393
Md., 3 est.; W. Va., 2.....	5	4,912	18,080	884,587	California.....	6	143	1,507	92,927
Other States (Ark., 1 est.; Conn., 1; Ga., 4; Ind., 1; Mass., 2; Mont., 1; N. Mex., 1; N. C., 2; Okla., 1; S. C., 1; Tenn., 1; Utah, 1).....	17	5,583	16,417	1,232,445	Illinois.....	4	43	1,597	33,735
High-alumina brick (over 40 percent Al <sub>2</sub> O <sub>3</sub> ), total.....	28	6,100	16,714	1,511,700	Missouri.....	8	2,288	17,844	1,031,572
Missouri.....	9	2,803	9,425	884,964	Ohio.....	8	113	3,346	153,715
Ohio.....	4	831	2,451	110,820	Pennsylvania.....	13	640	9,168	378,677
Pennsylvania.....	5	465	1,323	82,983	Mass., 2 est.; N. Y., 2.....	4	7	419	20,659
Other States (Calif., 5 est.; Colo., 1; Conn., 1; Ill., 2; N. J., 1).....	10	2,001	3,515	432,933	Other States (Ala., 1 est.; Ark., 1; Colo., 1; Ga., 1; Md., 1; Mich., 1; Mont., 1; N. J., 6; Tex., 2; Wash., 2).....	17	1,255	13,297	780,108
Special shapes, total.....	60	Short tons 50,288	Short tons 151,511	3,832,951	All other fire-clay products, including fire-clay dust, total.....	33			2,457,601
California.....	11	5,025	8,772	253,272	Colorado.....	4			64,434
Ohio.....	7	3,525	21,312	461,056	Ohio.....	8			871,035
Pennsylvania.....	13	11,229	32,117	1,033,489	Pennsylvania.....	7			1,057,275
Ill., 1 est.; Mo., 6.....	7	16,691	49,556	984,837	Ill., 3 est.; Mo., 2.....	5			378,209
Other States (Ark., 1 est.; Colo., 3; Conn., 2; Ga., 1; Ky., 5; Md., 1; Mass., 2; Mich., 1; N. J., 1; N. Dak., 1; Utah, 1; Wash., 3).....	22	13,818	39,754	1,100,298	Other States (Kans., 1 est.; Md., 1; Mich., 2; N. J., 2; Utah, 1; Wash., 1; W. Va., 1).....	9			86,648
Plastic fire brick, total.....	41	3,833	43,679	1,119,956					
California.....	5	55	961	32,424					

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[SEE GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States: 1939	12,211	11,246	11,125	11,170	11,233	11,042	11,447	11,553	11,604	12,997	14,348	14,426	14,340
1937	15,449	14,739	15,247	15,624	16,175	16,157	16,468	15,892	15,742	15,833	15,397	14,670	13,390
Alabama	235	225	217	220	217	198	176	235	231	241	281	293	281
California	318	288	268	272	278	313	338	354	358	331	323	341	358
Colorado	220	175	189	203	144	213	216	205	216	235	279	285	285
Georgia	437	443	379	280	524	491	400	431	360	415	500	465	560
Illinois	281	280	273	263	252	254	252	260	275	289	330	322	321
Indiana	103	72	79	100	103	117	111	84	110	108	116	123	110
Kentucky	1,419	1,273	1,257	1,264	1,234	1,263	1,233	1,237	1,245	1,640	1,814	1,801	1,763
Maryland	384	351	376	375	379	357	381	379	378	307	408	418	415
Missouri	2,317	2,162	2,168	2,139	2,155	2,163	2,169	2,181	2,241	2,484	2,767	2,599	2,575
New Jersey	348	320	331	311	327	344	381	354	354	362	364	367	365
Ohio	1,828	1,683	1,657	1,713	1,746	1,622	1,753	1,783	1,800	1,948	2,080	2,076	2,061
Pennsylvania	3,691	3,366	3,333	3,389	3,303	3,149	3,430	3,394	3,370	3,808	4,416	4,626	4,618
West Virginia	310	314	297	326	256	240	260	288	304	344	358	402	333

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	165
Reporting expenditures for plant and equipment	123
Value of products:	
Total for the industry	\$42,101,454
Reporting expenditures for plant and equipment	34,782,398
Expenditures for plant and equipment:	
Total for the industry	1,272,295
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	517,418
Expenditures for new machinery and operating equipment	637,591
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	66,686
Expenditures unclassified	600

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total	\$11,711,553	\$9,734,901
Finished products	8,467,903	7,283,139
Materials, supplies, etc.	3,243,650	2,451,762
End of year, total	11,820,419	11,625,506
Finished products	8,098,003	8,931,583
Materials, supplies, etc.	3,722,416	2,693,923
Value of products for the industry, total	42,191,454	52,649,510
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	41,833,565	51,015,445
Value for establishments not reporting inventories	357,889	1,634,065

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments	165
Number of establishments reporting power equipment	157
Prime movers, aggregate:	
Number	143
Horsepower	18,922

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>—Continued

	1939
Prime movers—Continued.	
Prime movers, driving generators, total—	
Number	37
Horsepower	5,781
Steam engines—	
Number	23
Horsepower	3,808
Steam turbines—	
Number	5
Horsepower	740
Diesel and semi-Diesel engines—	
Number	2
Horsepower	360
Other internal-combustion engines <sup>2</sup> —	
Number	7
Horsepower	873
Prime movers, driving generators, ordinarily idle (included above), horsepower	200
Prime movers not driving generators, total—	
Number	106
Horsepower	13,141
Steam engines—	
Number	83
Horsepower	12,178
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—	
Number	23
Horsepower	963
Prime movers not driving generators, ordinarily idle (included above), horsepower	105
Generators, kilowatt rating, total	3,278
Generators, driven by—	
Steam engines, kilowatt rating	1,848
Steam turbines, kilowatt rating	515
Diesel and semi-Diesel engines, kilowatt rating	240
Other internal-combustion engines, <sup>2</sup> kilowatt rating	675
Generators, ordinarily idle (included above), kilowatt rating	138
Electric motors, total:	
Number	4,930
Horsepower	64,877
Driven by purchased energy—	
Number	4,239
Horsepower	59,271
Driven by energy generated in establishments reporting—	
Number	691
Horsepower	5,606
Electric energy (kilowatt-hours):	
Generated in plant	4,924,500
Sold	12,000
Purchased	54,177,234

<sup>1</sup> Comparable data for 1929 not available.

<sup>2</sup> Gas, gasoline, etc.

# CLAY PRODUCTS (EXCEPT POTTERY) NOT ELSEWHERE CLASSIFIED

[A preliminary report for this industry was issued November 6, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of clay products such as stove lining, flue lining, chimney pipe and tops, wall coping, segment blocks, drain and quarry tile, etc. Prior to the 1939 census this industry was a part of the industry entitled Clay Products, Other Than Pottery. A special tabulation was made of the 1937 census reports in order to obtain figures comparable with those for 1939.

**Establishments reporting products valued at less than \$5,000.**—Although the canvass for the Biennial Census of Manufactures is confined, for the most part, to establishments with a yearly output valued at \$5,000 or more, it has been found desirable in the case of this

industry to collect data on production and stocks from all establishments without regard to amount of output.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	99	1,651	\$1,493,937	\$1,043,217	\$4,450,202	\$3,406,985	6,703
1937 <sup>4</sup> .....	103	1,916	1,883,030	2,313,682	6,587,310	4,273,628	( <sup>5</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>4</sup> Data not available for years prior to 1937.

<sup>5</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	Indiana	Michigan	Ohio	Oregon	Pennsylvania	Wisconsin	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	99	5	5	14	4	38	5	5	3	20
Proprietors and firm members.....	76	4	8	16	2	24	7	3	5	7
Persons reported by manufacturing establishments, total <sup>3</sup> .....	1,868	76	31	176	128	845	30	113	11	458
Salaried officers of corporations <sup>3</sup> .....	46	1	—	7	2	25	—	3	—	8
Manufacturing:.....										
Salaried employees <sup>3</sup> .....	114	7	3	9	12	40	—	10	—	33
Wage earners (average for the year) <sup>4</sup> .....	1,651	60	28	153	109	755	28	97	11	410
Distribution.....	49	8	—	7	3	22	1	3	—	5
Construction.....	8	—	—	—	2	3	1	—	—	2
Other.....	—	—	—	—	—	—	—	—	—	—
Salaries and wages, total <sup>3</sup> .....	\$1,921,263	\$103,247	\$20,046	\$174,289	\$154,635	\$923,095	\$18,032	\$133,791	\$10,493	\$383,635
Salaried officers <sup>3</sup> .....	150,118	2,700	—	27,500	11,863	74,415	—	10,520	—	23,120
Manufacturing:.....										
Salaries <sup>3</sup> .....	185,710	23,165	1,565	14,725	20,003	58,118	—	13,230	—	54,904
Wages.....	1,493,937	65,831	18,481	123,262	115,973	753,571	17,373	92,792	10,493	296,161
Distribution.....	84,063	11,551	—	8,802	4,919	32,166	437	17,249	—	8,939
Construction.....	7,435	—	—	—	1,877	4,825	222	—	—	511
Other.....	—	—	—	—	—	—	—	—	—	—
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	1,043,217	35,669	17,045	110,439	78,436	489,366	14,273	91,359	6,644	199,986
Materials and supplies.....	351,828	14,417	4,080	25,672	25,028	132,796	2,948	48,326	1,682	96,879
Fuel.....	591,302	19,552	12,602	74,547	51,433	308,737	10,325	25,604	4,049	84,453
Purchased electric energy.....	100,087	1,700	363	10,220	1,975	47,833	1,000	17,429	913	18,654
Contract work.....	—	—	—	—	—	—	—	—	—	—
Value of products.....	4,450,202	246,197	71,374	426,476	312,384	2,026,737	65,737	299,840	25,600	975,857
Value added by manufacture <sup>5</sup> .....	3,406,985	210,528	54,329	316,037	233,948	1,537,371	51,464	208,481	18,956	775,871

<sup>1</sup> Colorado, 1 establishment; District of Columbia, 2; Iowa, 2; Kentucky, 3; Maryland, 1; Massachusetts, 2; New York, 1; Tennessee, 5; Washington, 1; West Virginia, 2.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Clay Products (Except Pottery) Not Elsewhere Classified industry, all products, total value.....	\$4,450,202	\$6,587,310
Clay products (except pottery) not elsewhere classified made in this industry.....	3,751,845	3,549,434
Other products not classified in this industry.....	698,357	3,037,876
Clay products (except pottery), not elsewhere classified, aggregate value.....	10,521,407	10,136,035
Clay products (except pottery), not elsewhere classified, made in this industry.....	3,751,845	3,549,434
Clay products (except pottery), not elsewhere classified, made by establishments with products under \$5,000 in value.....	55,227	60,133
Clay products (except pottery), not elsewhere classified, made as secondary products in other industries.....	6,714,335	6,526,468

<sup>1</sup> Value of brick, sewer pipe, roofing tile, and structural clay tile.

CLAY PRODUCTS NOT ELSEWHERE CLASSIFIED

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, AND STOCKS ON HAND AT END OF YEAR, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939			1937
	Produced in the industry	Produced in other industries within the Structural Clay Products subgroup	Aggregate	
Total value.....	\$3,751,845	<sup>1</sup> \$6,769,562	\$10,521,407	\$10,136,035
Drain tile:				
Vitrified (under drain)—				
Production.....	short tons.....			211,950
value.....				\$1,737,445
Stocks, December 31.....	short tons.....	262,828	487,119	50,416
Unvitrified—				
Production.....	short tons.....	\$2,094,593	\$1,855,972	\$3,950,565
value.....		53,517	65,424	118,941
Stocks, December 31.....	short tons.....			231,552
				\$1,851,836
				70,234
Stove lining:				
Production.....	short tons.....	3,608	7,683	11,291
value.....		\$109,674	\$138,799	\$248,473
Stocks, December 31.....	short tons.....	1,948	919	2,867
Flue lining:				
Production.....	short tons.....	12,219	165,745	177,964
value.....		\$157,227	\$2,381,477	\$2,538,704
Stocks, December 31.....	short tons.....	1,630	46,552	48,182
Chimney pipe and tops:				
Production.....	short tons.....	( <sup>2</sup> )	( <sup>2</sup> )	12,077
value.....				\$255,566
Stocks, December 31.....	short tons.....			4,177
				\$248,796
				6,481
Wall coping:				
Production.....	short tons.....	( <sup>2</sup> )	( <sup>2</sup> )	28,229
value.....				\$404,820
Stocks, December 31.....	short tons.....			8,779
				\$294,260
				6,298
Segment blocks:				
Production.....	short tons.....	( <sup>2</sup> )	( <sup>2</sup> )	11,933
value.....				\$156,621
Stocks, December 31.....	short tons.....			6,625
				\$59,832
				7,497
Quarry or promenade tile:				
Production.....	square feet.....	10,395,497	1,550,132	11,945,629
value.....		\$779,715	\$257,630	\$1,037,345
Stocks, December 31.....	square feet.....	1,420,418	1,016,771	2,437,189
				( <sup>2</sup> )
Clay sold, raw or prepared:				
Production.....	short tons.....	( <sup>2</sup> )	( <sup>2</sup> )	191,361
value.....				\$1,067,084
				\$27,084
				\$1,451,571
Other clay products, except pottery, not elsewhere classified.....	value.....	\$345,262	\$516,967	\$862,229
				\$2,149,940

<sup>1</sup> Includes \$55,227 made by establishments with products under \$5,000 in value and also a small amount produced outside the Structural Clay Products subgroup.

<sup>2</sup> Figures not shown separately to avoid disclosing, exactly or approximately, data reported by individual establishments.

<sup>3</sup> No separate data; included in report for the Floor and Wall Tile industry.

TABLE 5.—CLAY PRODUCTS (EXCEPT POTTERY) NOT ELSEWHERE CLASSIFIED—NUMBER OF ESTABLISHMENTS; PRODUCTS, BY KIND, QUANTITY, AND VALUE; AND STOCKS ON HAND AT END OF YEAR; BY STATES: 1939

KIND AND STATE	Number of establishments	Stocks Dec. 31, 1939 (quantity)	PRODUCTION		KIND AND STATE	Number of establishments	Stocks Dec. 31, 1939 (quantity)	PRODUCTION	
			Quantity	Value				Quantity	Value
Drain tile, total.....	253	Short tons 118,941	Short tons 487,119	\$3,950,565	Flue lining, total.....	83	Short tons 48,182	Short tons 177,964	\$2,538,704
Alabama.....	4	1,081	6,848	61,257	California.....	8	3,627	6,824	212,418
California.....	12	7,941	7,309	122,636	Iowa.....	3	1,441	4,212	62,652
Colorado.....	5	985	1,695	19,536	Kentucky.....	3	1,955	8,197	99,296
Illinois.....	23	18,777	92,251	606,696	Missouri.....	4	2,385	7,464	109,540
Indiana.....	23	10,848	47,895	373,922	Ohio.....	23	12,436	70,546	997,893
Iowa.....	24	23,118	60,013	506,117	Pennsylvania.....	4	13,959	24,276	287,984
Kentucky.....	8	1,501	4,813	39,474	Ala., 1 est.; Ga., 1; S. C., 1.....	3	2,638	7,787	109,676
Michigan.....	6	3,381	20,317	231,843	Ark., 2 est.; Tex., 4.....	6	2,199	3,094	59,485
Missouri.....	9	3,565	6,444	61,528	Colo., 2 est.; Utah, 3.....	5	776	3,417	90,072
New York.....	4	787	2,083	29,619	D. C., 2 est.; Va., 1.....	3	871	4,945	56,775
Ohio.....	48	30,239	187,579	1,382,290	Ill., 3 est.; Ind., 2.....	5	1,198	6,586	95,264
Oregon.....	12	2,338	6,253	68,911	Mich., 2 est.; Minn., 1.....	3	1,165	7,020	109,683
Pennsylvania.....	7	1,191	2,808	23,445	N. C., 3 est.; Tenn., 1.....	4	1,550	7,477	108,400
Tennessee.....	5	1,497	6,533	57,594	Other States (Kans., 1 est.; Mo., 1; Miss., 1; Mont., 2; Wash., 3; Wyo., 1).....	9	1,982	6,219	138,566
Utah.....	5	458	1,353	13,477	Chimney pipe and tops, total.....	39	4,177	12,077	255,566
Washington.....	10	1,296	3,612	44,120	California.....	7	1,786	5,544	166,257
Wisconsin.....	5	1,583	3,824	31,983	Ohio.....	12	586	3,114	36,479
Ark., 4 est.; La., 1; Okla., 2.....	7	661	1,914	14,232	Iowa, 1 est.; Kans., 1; Mo., 4.....	6	870	2,126	23,783
Ga., 2 est.; S. C., 1.....	3	916	3,702	44,346	Other States (Ala., 1 est.; Colo., 2; Ga., 1; Ind., 1; Ky., 3; Pa., 2; S. C., 1; Tex., 1; Utah, 1; Wash., 1).....	14	935	1,293	29,047
Idaho, 1 est.; Mont., 1; Wyo., 2.....	4	898	1,720	16,705	Wall coping, total.....	55	8,779	28,229	404,820
Kans., 4 est.; Nebr., 2.....	6	1,416	2,991	23,217	Illinois.....	3	98	248	4,591
N. Mex., 1 est.; Tex., 12.....	13	2,809	7,512	90,792	Iowa.....	3	385	717	14,878
N. C., 3 est.; Va., 1.....	4	295	3,628	41,651	Kentucky.....	3	134	712	17,011
Other States (Ariz., 1 est.; D. C., 2; Minn., 2; Miss., 2; N. J., 3; S. Dak., 1).....	11	1,370	4,022	45,169	Missouri.....	4	305	701	13,003
Stove lining, total.....	14	2,867	11,291	248,473					
Massachusetts.....	3	1,592	1,645	50,784					
Ohio.....	3	485	902	9,803					
Pennsylvania.....	3	302	1,921	58,150					
Other States (Ga., 1 est.; Ky., 1; Md., 1; Mo., 1; Vt., 1).....	5	488	6,823	129,736					

CENSUS OF MANUFACTURES: 1939

TABLE 5.—CLAY PRODUCTS (EXCEPT POTTERY) NOT ELSEWHERE CLASSIFIED—NUMBER OF ESTABLISHMENTS; PRODUCTS, BY KIND, QUANTITY, AND VALUE; AND STOCKS ON HAND AT END OF YEAR; BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Stocks Dec. 31, 1939 (quantity)	PRODUCTION		KIND AND STATE	Number of establishments	Stocks Dec. 31, 1939 (quantity)	PRODUCTION	
			Quantity	Value				Quantity	Value
Wall coping—Continued.					Clay sold, raw or prepared—Con.				
Ohio	18	Short tons 4,222	Short tons 17,008	\$234,473	New Jersey	3	Short tons 1,214	Short tons 1,214	\$9,036
Pennsylvania	5	2,064	4,901	56,798	Ohio	17	18,411	18,411	70,285
N. C., 2 est.; S. C., 1	3	165	802	17,275	Pennsylvania	26	65,734	65,734	372,565
Other States (Ala., 1 est.; Calif., 1; Colo., 1; Ga., 1; Ind., 1; Kans., 1; Mich., 1; Minn., 1; Tenn., 1; Tex., 3; Utah, 2; Wash., 1; Wyo., 1)	16	1,406	3,142	46,791	Utah	3	1,592	1,592	4,199
Segment blocks:					Ala., 2 est.; Ga., 2	4	2,544	2,544	17,792
Calif., 2 est.; Iowa, 1; Miss., 1; Mo., 3; Ohio, 4	11	6,625	11,933	156,621	Ark., 1 est.; Tex., 3	4	2,782	2,782	14,333
Quarry or promenade tile, total	36	Square feet 2,437,189	Square feet 11,945,629	1,037,345	Conn., 1 est.; Mass., 3	4	555	555	8,044
California	18	467,791	782,121	131,444	Idaho, 1 est.; Wash., 3	4	2,532	2,532	15,105
Ky., 1 est.; Ohio, 3; W. Va., 1	5	1,144,428	9,703,309	668,035	Ill., 4 est.; Ind., 2	6	21,472	21,472	48,325
N. Mex., 2 est.; Tex., 1	3	44,783	111,739	6,220	Md., 2 est.; W. Va., 1	3	418	418	2,300
Other States (Ariz., 1 est.; Colo., 1; Nebr., 1; N. C., 1; Pa., 1; Tenn., 2; Utah, 1; Wash., 1; Wyo., 1)	10	730,187	1,348,460	231,636	N. C., 1 est.; S. C., 2	3	871	871	8,212
Clay sold, raw or prepared, total	129	Short tons 191,361	Short tons 1,067,084		Other States (Mich., 1 est.; Minn., 2; Nebr., 2; Okla., 1; Oreg., 1)	7	2,148	2,148	17,881
California	18	26,976	123,870		Other clay products, except pottery, not elsewhere classified, total	40			362,229
Colorado	4	2,012	17,770		California	3			22,050
Iowa	4	2,111	21,153		Illinois	6			258,491
Kentucky	7	9,342	67,529		Ohio	5			113,405
Missouri	12	30,647	248,685		Ind., 1 est.; N. Y., 1; Pa., 4; W. Va., 1	7			306,944
					Iowa, 3 est.; Minn., 1; Mo., 2	6			111,691
					Okla., 1 est.; N. Mex., 2; Tex., 3	6			9,232
					Other States (Mass., 1 est.; Mich., 1; Miss., 1; Oreg., 1; N. J., 1; Wash., 1; Wyo., 1)	7			40,416

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939	1,651	1,322	1,381	1,533	1,626	1,753	1,795	1,842	1,882	1,824	1,726	1,628	1,498
1937	1,916	1,602	1,615	1,796	2,045	2,158	2,081	2,015	2,067	2,033	1,978	1,853	1,710
California	60	55	56	58	59	59	63	44	61	66	68	63	68
Illinois	28	5	4	7	24	34	47	45	40	46	35	28	20
Indiana	153	106	107	136	153	179	190	188	190	181	147	131	115
Michigan	109	117	113	113	117	110	107	106	108	109	103	106	100
Ohio	755	658	669	698	704	762	790	840	845	812	788	760	733
Oregon	28	5	13	32	38	37	35	35	37	36	33	25	13
Pennsylvania	97	62	70	101	87	114	119	111	113	120	97	113	52
Tennessee	128	97	97	122	148	144	143	150	151	138	136	108	108
Wisconsin	11			2	19	21	21	21	21	19	12		

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	99
Reporting expenditures for plant and equipment	51
Value of products:	
Total for the industry	\$4,450,202
Reporting expenditures for plant and equipment	3,323,409
Expenditures for plant and equipment:	
Total for the industry	242,318
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	83,679
Expenditures for new machinery and operating equipment	122,645
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	23,782
Expenditures unclassified	12,212

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total	\$807,496	\$1,117,700
Finished products	693,311	916,515
Materials, supplies, etc.	114,185	201,185
End of year, total	805,431	1,178,630
Finished products	625,866	960,255
Materials, supplies, etc.	179,565	218,375
Value of products for the industry, total	4,450,202	6,587,310
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	3,789,410	5,896,022
Value for establishments not reporting inventories	660,792	691,288

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939		1939
Number of establishments.....	99	Prime movers—Continued.	
Number of establishments reporting power equipment.....	97	Prime movers not driving generators—Continued.	
Prime movers, aggregate:		Diesel and semi-Diesel engines—	
Number.....	79	Number.....	15
Horsepower.....	6,703	Horsepower.....	1,422
Prime movers, driving generators, total—		Other internal-combustion engines <sup>2</sup> —	
Number.....	6	Number.....	11
Horsepower.....	1,140	Horsepower.....	324
Steam engines—		Prime movers not driving generators, ordinarily idle (included above), horsepower.....	12
Number.....	2	Generators, kilowatt rating, total.....	640
Horsepower.....	600	Generators, driven by—	
Diesel and semi-Diesel engines—		Steam engines, kilowatt rating.....	425
Number.....	3	Diesel and semi-Diesel engines, kilowatt rating.....	165
Horsepower.....	390	Other internal-combustion engines, <sup>2</sup> kilowatt rating.....	50
Other internal-combustion engines <sup>1</sup> —		Electric motors, total:	
Number.....	1	Number.....	520
Horsepower.....	150	Horsepower.....	7,267
Prime movers not driving generators, total—		Driven by purchased energy—	
Number.....	73	Number.....	475
Horsepower.....	5,563	Horsepower.....	6,540
Steam engines—		Driven by energy generated in establishments reporting—	
Number.....	46	Number.....	45
Horsepower.....	3,782	Horsepower.....	727
Steam turbines—		Electric energy (kilowatt-hours):	
Number.....	1	Generated in plant.....	729,700
Horsepower.....	35	Purchased.....	5,539,399

<sup>1</sup> Comparable data for 1929 not available.<sup>2</sup> Gas, gasoline, etc.

## VITREOUS-CHINA PLUMBING FIXTURES

[A preliminary report for this industry was issued October 23, 1940]

This industry embraces those establishments primarily engaged in the manufacture of vitreous and semivitreous-china plumbing fixtures from clay. Prior to the 1939 census this industry was a part of the former industry entitled "Pottery, including porcelain ware." A special tabulation was made of the 1937 reports to obtain figures comparable with those for 1939.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	25	4,534	\$6,315,843	\$6,982,118	\$21,978,821	\$14,996,703	2,148
1937.....	30	4,577	6,480,631	5,845,802	20,392,532	14,546,730	(4)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> Not called for on schedule.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**  
 [See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Illinois	New Jersey	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	25	3	10	12
Proprietors and firm members.....	2			2
Persons reported by manufacturing establishments, total <sup>3</sup> .....	5,146	623	2,046	2,477
Salaried officers of corporations <sup>4</sup> .....	47	8	20	19
Manufacturing:.....				
Salaried employees <sup>2</sup> .....	444	39	198	207
Wage earners (average for the year) <sup>4</sup> .....	4,534	570	1,799	2,165
Distribution.....	107	6	27	74
Construction.....	13		2	11
Other.....	1			1
Salaries and wages, total <sup>5</sup> .....	\$7,668,560	\$797,734	\$2,988,638	\$3,882,188
Salaried officers <sup>4</sup> .....	291,686	64,204	114,529	112,953
Manufacturing:.....				
Salaries <sup>2</sup> .....	817,491	69,298	330,968	417,225
Wages.....	6,315,843	646,446	2,505,341	3,164,056
Distribution.....	215,274	7,786	35,244	172,244
Construction.....	26,923	10,000	2,556	14,367
Other.....	1,343			1,343
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	6,982,118	894,157	2,517,502	3,570,459
Materials, supplies, and containers.....	6,013,333	721,536	2,170,840	3,120,957
Fuel.....	813,611	136,756	288,115	388,740
Purchased electric energy.....	154,337	35,865	57,710	60,762
Contract work.....	837		837	
Value of products.....	21,978,821	2,308,918	7,472,786	12,197,117
Value added by manufacture <sup>3</sup> .....	14,996,703	1,414,761	4,955,284	8,626,658

<sup>1</sup> California, 2 establishments; Indiana, 1; Ohio, 3; Pennsylvania, 3; West Virginia, 2; Wisconsin, 1.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937**

	1939	1937
Vitreous-China Plumbing Fixtures industry, all products (exclusive of metal fittings), total value.....	\$21,978,821	\$20,392,532
Vitreous-china plumbing fixtures made in this industry.....	21,564,733	20,123,488
Miscellaneous products not specified.....	3,295	
Other products (not classified in this industry).....	410,793	269,044
Vitreous-china plumbing fixtures (exclusive of metal fittings), total value.....	22,105,454	20,625,366
Vitreous-china plumbing fixtures made in this industry.....	21,564,733	20,123,488
Vitreous-china plumbing fixtures made as secondary products in other industries.....	540,721	501,878

<sup>1</sup> Includes value of porcelain electrical supplies, art pottery, lamp bases and vases, soda-fountain parts and specialties, ground feldspar and saggers.

**TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937**

PRODUCT	1939	1937
Total value <sup>1</sup> .....	\$22,105,454	\$20,625,366
Bathroom and toilet fixtures:		
Closet bowls—		
Siphon jets—		
Number.....	193,627	136,580
Value.....	\$1,557,813	\$1,111,601
Washdowns—		
Number.....	904,637	940,628
Value.....	\$3,364,613	\$3,747,142
Reverse traps—		
Number.....	486,305	310,995
Value.....	\$3,035,395	\$1,861,894
Flush tanks, lowdown (large and small)—		
Number.....	1,245,266	1,182,489
Value.....	\$6,162,215	\$5,259,228
Lavatories—		
Number.....	278,571	269,384
Value.....	\$3,004,456	\$3,128,462
Stalls—		
Number.....	41,450	31,346
Value.....	\$1,115,901	\$890,070
Other bathroom and toilet fixtures (recessed and attachable), value.....	\$2,975,470	\$3,463,931
Other vitreous-china fixtures, value.....	\$562,612	\$686,027
Semivitreous or porcelain (all-clay) plumbing fixtures (exclusive of fittings), value <sup>1</sup> .....	\$326,979	\$477,011

<sup>1</sup> For statistics on total production of plumbing fixtures (made of clay, iron, cement, etc.) see report on "Enameled-iron sanitary ware and other plumbers' supplies (not including pipe and vitreous and semivitreous china sanitary ware)" industry.  
<sup>2</sup> Includes \$455,925 produced by plants within the Pottery and Related Products subgroup.

**TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE,<sup>1</sup> BY STATES: 1939**

KIND AND STATE	Number of establishments	Number	Value
Total value.....			\$22,105,454
Bathroom and toilet fixtures, total value.....			21,215,863
Closet bowls:			
Siphon jets, total.....	16	193,627	1,557,813
Ill., 3 est.; Ind., 1.....	4	17,139	137,211
Ohio, 3 est.; Pa., 2.....	5	88,118	627,882
Other States (Calif., 2 est.; N. J., 4; Wis., 1).....	7	88,370	792,720
Washdowns, total.....	19	904,637	3,364,613
Illinois.....	3	100,656	359,982
New Jersey.....	6	214,821	839,783
Ohio.....	3	122,504	435,046
Pa., 2 est.; W. Va., 1.....	3	179,901	660,862
Other States (Calif., 2 est.; Ind., 1; Wis., 1).....	4	286,755	1,068,940

See footnotes at end of table.

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE,<sup>1</sup> BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Number	Value
<b>Bathroom and toilet fixtures—Continued.</b>			
Closet bowls—Continued.			
Reverse traps, total.....	17	486,305	\$3,035,995
Illinois.....	3	78,480	476,877
Ind., 1 est.; N. J., 4; Ohio, 3; Pa., 2; W. Va., 1.....	11	256,420	1,662,516
Other States (Calif., 2 est.; Wis., 1).....	3	151,405	896,002
Flush tanks, lowdown (large and small), total.....	17	1,245,266	6,162,215
New Jersey.....	5	295,868	1,365,909
Ohio.....	3	145,086	811,172
Ill., 2 est.; Ind., 1.....	3	195,353	1,055,671
Pa., 2 est.; W. Va., 1.....	3	268,364	1,216,609
Other States (Calif., 2 est.; Wis., 1).....	3	340,597	1,712,854
Lavatories, total.....	19	278,571	3,004,456
Ind., 1 est.; N. J., 6; Ohio, 3; Pa., 2.....	12	195,614	2,007,550
Other States (Calif., 2 est.; Ill., 3; W. Va., 1; Wis., 1).....	7	82,957	996,906
Stalls, total.....	15	41,450	1,115,901
New Jersey.....	4	16,149	454,892
Ind., 1 est.; Ohio, 3; Pa., 2.....	6	13,172	344,092
Other States (Calif., 2 est.; Ill., 2; Wis., 1).....	5	12,129	316,017

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE,<sup>1</sup> BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Number	Value
<b>Bathroom and toilet fixtures—Continued.</b>			
Other bathroom and toilet fixtures (recessed and attachable), total.....			
	27		\$2,975,470
New Jersey.....	15		1,993,141
Other States (Calif., 4 est.; Ill., 1; Ind., 1; Ohio, 3; Pa., 3).....	12		982,329
Other vitreous-china fixtures, total.....	11		562,612
N. J., 3 est.; Ohio, 1; Pa., 2.....	6		157,983
Other States (Calif., 1 est.; Ill., 3; Wis., 1).....	5		404,629
Semivitreous or porcelain (all-clay) plumbing fixtures (exclusive of fittings): <sup>1</sup>			
Calif., 1 est.; N. J., 3; Pa., 1.....	5		326,979

<sup>1</sup> For statistics on total production of plumbing fixtures (made of clay, iron, cement, etc.) see report on "ENAMELED-IRON SANITARY WARE AND OTHER PLUMBERS' SUPPLIES (NOT INCLUDING PIPE AND VITREOUS AND SEMIVITREOUS CHINA SANITARY WARE)" industry.  
<sup>2</sup> Includes \$455,925 produced by plants within the Pottery and Related Products subgroup.

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	4,534	4,197	4,208	4,403	4,463	4,381	4,480	4,578	4,617	4,693	4,762	4,780	4,843
1937.....	4,577	4,232	4,304	4,491	4,651	4,773	4,755	4,635	4,709	4,799	4,706	4,522	4,442
Illinois.....	570	490	501	524	559	563	570	579	582	600	610	628	630
New Jersey.....	1,799	1,729	1,729	1,731	1,742	1,768	1,762	1,816	1,829	1,841	1,868	1,891	1,895
Ohio.....	469	471	470	470	466	466	469	471	473	469	474	460	468
Pennsylvania.....	424	400	399	402	407	405	416	432	448	440	443	448	449

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	25
Reporting expenditures for plant and equipment.....	20
Value of products:	
Total for the industry.....	\$21,978,821
Reporting expenditures for plant and equipment.....	20,031,063
Expenditures for plant and equipment:	
Total for the industry.....	518,934
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	318,608
Expenditures for new machinery and operating equipment.....	153,115
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	47,211

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$5,636,059	\$4,949,376
Finished products.....	3,593,125	3,037,949
Materials, supplies, etc.....	2,042,934	1,911,427
End of year, total.....	4,742,846	5,590,987
Finished products.....	2,306,345	3,407,785
Materials, supplies, etc.....	2,436,501	2,183,202
Value of products for the industry, total.....	21,978,821	20,392,532
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	21,757,742	18,659,046
Value for establishments not reporting inventories.....	221,079	1,733,486

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	25
Number of establishments reporting power equipment.....	25
Prime movers, aggregate:	
Number.....	13
Horsepower.....	2,148

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>—Continued

	1939
Prime movers—Continued.	
Prime movers, driving generators, total—	
Number.....	9
Horsepower.....	1,613
Steam engines—	
Number.....	4
Horsepower.....	1,049
Steam turbines—	
Number.....	2
Horsepower.....	310
Diesel and semi-Diesel engines—	
Number.....	2
Horsepower.....	144
Other internal-combustion engines <sup>2</sup> —	
Number.....	1
Horsepower.....	110
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	325
Prime movers not driving generators, total—	
Number.....	4
Horsepower.....	535
Steam engines—	
Number.....	3
Horsepower.....	485
Diesel and semi-Diesel engines—	
Number.....	1
Horsepower.....	50
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	150
Generators, kilowatt rating, total.....	1,135
Generators, driven by—	
Steam engines, kilowatt rating.....	720
Steam turbines, kilowatt rating.....	250
Diesel and semi-Diesel engines, kilowatt rating.....	65
Other internal-combustion engines, <sup>2</sup> kilowatt rating.....	100
Generators, ordinarily idle (included above), kilowatt rating.....	270
Electric motors, total:	
Number.....	2,362
Horsepower.....	18,431
Driven by purchased energy—	
Number.....	1,777
Horsepower.....	15,935
Driven by energy generated in establishments reporting—	
Number.....	585
Horsepower.....	2,496
Electric energy (kilowatt-hours):	
Generated in plant.....	4,356,800
Purchased.....	9,775,822

<sup>1</sup> Comparative data for 1929 not available.

<sup>2</sup> Gas, gasoline, etc.

# HOTEL CHINA

[A preliminary report for this industry was issued October 19, 1940]

This industry embraces establishments primarily engaged in the manufacture of hotel china from clay. Prior to the 1939 census this industry was a part of the former industry entitled "Pottery, including porcelain ware." A special tabulation was made of the 1937 reports to obtain figures comparable with those for 1939.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	17	4,350	\$4,639,398	\$1,706,993	\$9,359,660	\$7,652,667	2,790
1937.....	18	4,671	5,029,608	1,976,732	10,415,249	8,438,517	(4)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> Not called for on schedule.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**  
 [See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Ohio	Pennsylvania	West Virginia	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	17	3	3	4	7
Proprietors and firm members.....					
Persons reported by manufacturing establishments, total <sup>3</sup> .....	4,798	539	1,383	767	2,108
Salaried officers of corporations <sup>4</sup> .....	49	11	10	10	18
Manufacturing:					
Salaried employees <sup>5</sup> .....	267	31	60	35	141
Wage earners (average for the year) <sup>6</sup> .....	4,350	480	1,273	702	1,894
Distribution.....	111	15	40	13	43
Construction.....	18	2		4	12
Other.....	3			3	
Salaries and wages, total <sup>7</sup> .....	\$5,715,529	\$689,122	\$1,713,005	\$367,091	\$2,446,311
Salaried officers <sup>8</sup> .....	261,524	48,735	75,360	42,744	94,685
Manufacturing:					
Salaries <sup>9</sup> .....	519,609	40,790	119,265	66,240	293,314
Wages.....	4,639,398	565,119	1,394,582	715,426	1,964,271
Distribution.....	267,372	31,257	123,798	32,882	79,435
Construction.....	24,850	3,221		7,023	14,606
Other.....	2,776			2,776	

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued**

ITEM	United States	Ohio	Pennsylvania	West Virginia	Other States <sup>1</sup>
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	\$1,706,993	\$315,993	\$344,666	\$297,749	\$748,585
Materials, supplies, and containers.....	1,202,435	251,547	221,566	207,289	522,033
Fuel.....	420,982	49,743	105,927	72,606	192,706
Purchased electric energy.....	82,932	14,703	17,173	17,854	33,202
Contract work.....	644				644
Value of products.....	9,359,660	1,212,052	2,564,503	1,440,310	4,142,795
Value added by manufacture <sup>4</sup> .....	7,652,667	896,059	2,219,837	1,142,561	3,394,210

<sup>1</sup> California, 2 establishments; New Jersey, 1; New York, 4.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937**

	1939	1937
Hotel China industry, all products, total value.....	\$9,359,660	\$10,415,249
Hotel china made in this industry.....	8,851,157	10,009,108
Other products (not classified in this industry).....	508,503	406,141
Hotel china, aggregate value <sup>1</sup> .....	8,854,782	10,017,811
Hotel china made in this industry.....	8,851,157	10,009,108
Hotel china made as secondary products in other industries.....	3,625	8,703

<sup>1</sup> Includes value of dinnerware, whiteware, saggars (of own make) and porcelain electrical supplies.  
<sup>2</sup> No more detailed production statistics were compiled for this industry.

**TABLE 4.—HOTEL CHINA, BY VALUE AND BY STATES: 1939**

	Number of establishments	Value
Hotel china, total.....	19	\$8,854,782
New York.....	4	2,469,313
Ohio.....	4	1,211,503
Pennsylvania.....	3	2,552,643
West Virginia.....	4	1,313,844
Other States (Calif., 2 est.; Colo., 1; N. J., 1).....	4	1,307,479

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	4,350	4,125	4,135	4,156	4,196	4,231	4,267	4,244	4,247	4,341	4,592	4,778	4,882
1937.....	4,671	4,545	4,696	4,790	4,772	4,857	4,817	4,600	4,489	4,564	4,635	4,659	4,630
New York.....	1,237	1,141	1,138	1,163	1,198	1,215	1,210	1,209	1,223	1,270	1,339	1,367	1,376
Ohio.....	480	485	471	470	471	473	470	477	459	437	498	514	541
Pennsylvania.....	1,273	1,190	1,186	1,180	1,171	1,184	1,200	1,233	1,271	1,294	1,359	1,470	1,538
West Virginia.....	702	699	704	690	697	677	707	694	687	713	718	726	715

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	17
Reporting expenditures for plant and equipment.....	16
Value of products:	
Total for the industry.....	\$9,359,660
Reporting expenditures for plant and equipment.....	8,696,595
Expenditures for plant and equipment:	
Total for the industry.....	250,518
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	164,192
Expenditures for new machinery and operating equipment.....	86,219
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	107
Expenditures unclassified.....	

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$3,326,309	\$3,298,808
Finished products.....	1,477,126	1,326,090
Materials, supplies, etc.....	1,849,183	1,972,718
End of year, total.....	3,400,454	3,522,398
Finished products.....	1,495,224	1,455,603
Materials, supplies, etc.....	1,905,230	2,066,795
Value of products for the industry, total.....	9,359,660	10,415,249
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	9,359,660	10,290,249
Value for establishments not reporting inventories.....		125,000

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	17
Number of establishments reporting power equipment.....	17
Prime movers, aggregate:	
Number.....	12
Horsepower.....	2,790
Prime movers, driving generators, total—	
Number.....	7
Horsepower.....	2,115
Steam engines—	
Number.....	6
Horsepower.....	1,948
Hydroturbines and water wheels—	
Number.....	1
Horsepower.....	167
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	398
Prime movers not driving generators, total—	
Number.....	5
Horsepower.....	675
Steam engines—	
Number.....	4
Horsepower.....	625
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—	
Number.....	1
Horsepower.....	50
Generators, kilowatt rating, total.....	1,801
Generators, driven by—	
Steam engines, kilowatt rating.....	1,626
Hydroturbines and water wheels, kilowatt rating.....	175
Generators, ordinarily idle (included above), kilowatt rating.....	350
Electric motors, total:	
Number.....	1,631
Horsepower.....	5,547
Driven by purchased energy—	
Number.....	615
Horsepower.....	2,587
Driven by energy generated in establishments reporting—	
Number.....	1,016
Horsepower.....	2,960
Electric energy (kilowatt-hours):	
Generated in plant.....	2,634,320
Purchased.....	5,068,983

<sup>1</sup> Comparable data for 1929 not available.<sup>2</sup> Gas, gasoline, etc.

# WHITEWARE

[A preliminary report for this industry was issued October 23, 1940]

This industry embraces establishments primarily engaged in the manufacture of semivitreous china types of earthenware, including cream color, white, granite, and semiporcelain ware. Prior to the 1939 census this industry was a part of the former industry entitled "Pottery, including porcelain ware." A special tabulation was made of the 1937 reports to obtain figures comparable with those for 1939.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horsepower of prime movers
1939.....	31	11,728	\$13,149,932	\$8,157,025	\$27,800,677	\$19,643,652	1,005
1937.....	35	11,348	12,918,215	7,743,614	25,688,838	17,945,224	(4)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>4</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939  
[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Ohio	West Virginia	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	31	16	5	10
Proprietors and firm members.....	2	1	-----	1
Persons reported by manufacturing establishments, total <sup>3</sup> .....	12,773	4,925	5,576	2,372
Salaried officers of corporations <sup>3</sup> .....	63	30	15	18
Manufacturing:				
Salaried employees <sup>3</sup> .....	566	218	225	123
Wage earners (average for the year) <sup>4</sup> .....	11,728	4,470	5,048	2,210
Distribution.....	192	81	90	21
Construction.....	190	21	169	-----
Other.....	34	5	29	-----
Salaries and wages, total <sup>3</sup> .....	\$15,600,374	\$6,126,610	\$6,532,037	\$2,941,727
Salaried officers <sup>3</sup> .....	434,741	200,537	116,036	118,168
Manufacturing:				
Salaries <sup>3</sup> .....	1,341,598	358,985	691,891	290,722
Wages.....	13,149,932	5,390,303	5,264,425	2,495,204
Distribution.....	379,626	128,872	213,121	37,633
Construction.....	214,728	39,264	175,464	-----
Other.....	79,749	8,649	71,100	-----

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	United States	Ohio	West Virginia	Other States <sup>1</sup>
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	\$8,157,025	\$3,267,485	\$3,603,501	\$1,286,039
Materials, supplies, and containers.....	6,851,085	2,763,185	3,081,968	1,005,932
Fuel.....	936,297	381,605	332,624	222,068
Purchased electric energy.....	270,301	91,110	124,409	54,782
Contract work.....	99,342	31,585	64,500	3,257
Value of products.....	27,800,677	11,074,252	11,073,367	5,653,058
Value added by manufacture <sup>3</sup> .....	19,643,652	7,806,767	7,469,866	4,367,019

<sup>1</sup> California, 3 establishments; Illinois, 2; Indiana, 1; Michigan, 1; Pennsylvania, 2; Tennessee, 1.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Whiteware industry, all products, total value.....	\$27,800,677	\$25,688,838
Whiteware made in this industry.....	27,410,679	24,833,501
Other products (not classified in this industry).....	<sup>1</sup> 389,998	855,337
Whiteware, aggregate value <sup>1</sup> .....	28,236,679	25,711,410
Whiteware made in this industry.....	27,410,679	24,833,501
Whiteware made as secondary products in other industries.....	826,000	877,909

<sup>1</sup> Includes value of art pottery, chemical stoneware, saggars, ceramics, mosaic tile, and lamp bases.

<sup>2</sup> No more detailed production data are available for this industry.

TABLE 4.—WHITEWARE, BY VALUE AND BY STATES: 1939

	Number of establishments	Value
Whiteware, total.....	33	\$28,236,679
California.....	4	1,494,705
Ohio.....	14	10,814,960
Pennsylvania.....	3	620,735
West Virginia.....	6	11,164,555
Other States (Colo., 1 est.; Ill, 2; Ind., 1; Mich., 1; Tenn., 1).....	6	4,141,724

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	11,728	11,263	11,779	11,928	11,873	11,473	11,203	10,367	10,928	11,390	12,423	13,151	12,955
1937.....	11,348	11,222	11,757	12,113	12,176	12,030	11,491	10,208	10,444	10,884	11,347	11,395	11,111
California.....	401	381	411	444	452	418	402	389	352	388	394	396	388
Ohio.....	4,470	4,061	4,349	4,405	4,478	4,453	4,430	4,051	4,455	4,583	4,676	4,881	4,815
West Virginia.....	5,048	5,042	5,189	5,252	5,137	4,846	4,667	4,195	4,329	4,658	5,500	5,942	5,819

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	31
Reporting expenditures for plant and equipment.....	23
Value of products:	
Total for the industry.....	\$27,800,677
Reporting expenditures for plant and equipment.....	24,456,999
Expenditures for plant and equipment:	
Total for the industry.....	1,283,209
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	787,805
Expenditures for new machinery and operating equipment.....	483,337
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	12,067

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$4,910,689	\$4,480,543
Finished products.....	2,529,868	2,499,803
Materials, supplies, etc.....	2,380,821	1,980,740
End of year, total.....	5,397,768	4,995,632
Finished products.....	2,906,640	2,808,519
Materials, supplies, etc.....	2,491,128	2,187,113
Value of products for the industry, total.....	27,800,677	25,688,838
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	27,768,530	25,424,000
Value for establishments not reporting inventories.....	37,147	264,838

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	31
Number of establishments reporting power equipment.....	29
Prime movers, aggregate:	
Number.....	9
Horsepower.....	1,005
Prime movers, steam engines, driving generators—	
Number.....	1
Horsepower.....	145
Prime movers, driving generators, ordinarily idle (included above) horsepower.....	145
Prime movers, steam engines, not driving generators—	
Number.....	8
Horsepower.....	860
Generators, driven by steam engines (kilowatt rating).....	100
Generators, ordinarily idle (included above), kilowatt rating.....	100
Electric motors, driven by purchased energy—	
Number.....	3,651
Horsepower.....	11,656
Electric energy purchased (kilowatt-hours).....	20,651,501

<sup>1</sup> Comparable data for 1929 not available.

# PORCELAIN ELECTRICAL SUPPLIES

[A preliminary report for this industry was issued December 6, 1940]

This industry embraces establishments primarily engaged in the manufacture of porcelain electrical insulation materials from clay. Prior to the 1939 census this industry was a part of the former industry entitled "Pottery, including porcelain ware." A special tabulation was made of the 1937 reports to obtain figures comparable with those for 1939.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horsepower of prime movers
1939.....	42	6,018	\$6,530,168	\$7,144,220	\$20,817,045	\$13,672,825	2,848
1937.....	37	7,170	8,160,131	7,461,088	23,659,374	16,208,286	( <sup>4</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>4</sup> Not called for on schedule.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	New Jersey	New York	Ohio	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	42	13	3	9	17
Proprietors and firm members.....	7	-----	-----	1	6
Persons reported by manufacturing establishments, total <sup>3</sup> .....	6,897	1,805	690	1,162	3,241
Salaried officers of corporations <sup>4</sup> .....	72	26	11	15	20
Manufacturing:					
Salaried employees <sup>5</sup> .....	631	146	62	142	281
Wage earners (average for the year) <sup>6</sup> .....	6,018	1,597	603	990	2,829
Distribution.....	131	35	14	15	67
Construction.....	44	-----	-----	-----	44
Other.....	1	1	-----	-----	-----
Salaries and wages, total <sup>7</sup> .....	\$8,769,011	\$2,070,290	\$812,199	\$1,679,962	\$4,206,560
Salaried officers <sup>8</sup> .....	564,701	162,582	62,510	98,425	241,184
Manufacturing:					
Salaries <sup>9</sup> .....	1,253,088	242,756	139,766	307,346	563,220
Wages.....	6,530,168	1,577,054	588,243	1,245,516	3,119,355
Distribution.....	321,110	83,604	21,680	28,675	187,151
Construction.....	98,993	3,843	-----	-----	95,650
Other.....	951	951	-----	-----	-----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	7,144,220	876,863	972,353	1,345,834	3,949,170
Materials, supplies, and containers.....	6,219,375	652,195	880,783	1,155,808	3,530,589
Fuel.....	666,796	165,608	74,466	134,395	292,327
Purchased electric energy.....	244,811	48,495	17,104	52,958	126,254
Contract work.....	13,238	10,565	-----	2,673	-----
Value of products.....	20,817,045	4,072,978	2,063,803	4,144,553	10,535,711
Value added by manufacture <sup>10</sup> .....	13,672,825	3,196,115	1,091,450	2,798,719	6,586,541

<sup>1</sup> California, 2 establishments; Connecticut, 1; Illinois, 1; Indiana, 2; Maryland, 1; Michigan, 1; Pennsylvania, 3; Tennessee, 1; West Virginia, 4; Wisconsin, 1.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937**

	1939	1937
Porcelain Electrical Supplies industry, all products, total value.....	\$20,817,045	\$23,659,374
Porcelain electrical supplies made in this industry.....	19,532,998	22,374,744
Miscellaneous products not specified.....	150,296	-----
Other products (not classified in this industry).....	1,183,751	1,284,630
Porcelain electrical supplies, aggregate value.....	20,878,807	24,836,731
Porcelain electrical supplies made in this industry.....	19,532,998	22,374,744
Porcelain electrical supplies made as secondary products in other industries.....	1,345,809	2,461,987

<sup>1</sup> Includes value of bathroom and toilet fixtures; whiteware; bakelite electrical supplies; china lamp bases, and novelties; chemical porcelain; and porcelain glove forms.

**TABLE 4.—PRODUCTS, BY KIND AND VALUE, FOR THE UNITED STATES: 1939 AND 1937**

PRODUCT	1939	1937
Total value.....	\$20,878,807	\$24,836,731
Insulators, total value.....	7,443,762	7,537,176
Suspension type.....	2,196,295	3,329,023
Knobs, tubes, and cleats.....	1,303,761	1,097,893
Other insulators.....	3,943,706	3,110,260
Specialties, value.....	4,774,852	17,299,555
Other porcelain electrical supplies, value.....	8,660,193	-----

<sup>1</sup> Value of metal fittings included for 1939, \$2,519,073; for 1937, \$1,674,391.

**TABLE 5.—PRODUCTS, BY KIND AND VALUE, BY STATES: 1939**

	Number of establishments	Value
Total value.....	-----	\$20,878,807
Insulators, total value.....	-----	7,443,762
Suspension type, total.....	11	2,196,295
New York.....	3	416,252
Md., 1 est.; Ohio, 1; Pa., 1.....	3	1,408,265
Other States (Calif., 1 est.; Ill., 1; N. J., 1; W. Va., 2).....	5	371,778
Knobs, tubes, and cleats, total.....	11	1,303,761
Ohio.....	5	770,307
Other States (Ill., 1 est.; N. J., 1; Pa., 1; Tenn., 1; W. Va., 2).....	6	533,454
Other insulators, total.....	20	3,943,706
New York.....	5	1,693,921
Md., 1 est.; Ohio, 3; Pa., 3; W. Va., 2.....	9	2,091,455
Other States (Calif., 2 est.; Conn., 1; Ill., 1; N. J., 1; Tenn., 1).....	6	158,330
Specialties, total.....	25	4,774,852
New Jersey.....	6	1,202,144
Ohio.....	6	988,209
Calif., 3 est.; Colo., 1.....	4	96,105
Conn., 1 est.; N. Y., 3; Pa., 1.....	5	1,812,839
Other States (Ill., 1 est.; Md., 1; W. Va., 2).....	4	675,555
Other porcelain electrical supplies, total.....	30	8,660,193
New Jersey.....	11	2,362,373
Ohio.....	3	669,167
Md., 1 est.; Pa., 3; W. Va., 2.....	6	2,656,861
Other States (Calif., 2 est.; Colo., 1; Conn., 1; Ill., 1; Ind., 2; Mich., 1; Tenn., 1; Wis., 1).....	10	2,971,792

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	6,018	5,538	5,619	5,721	5,843	5,621	5,800	5,807	5,949	6,065	6,476	6,959	7,022
1937.....	7,170	6,666	6,838	7,107	7,356	7,139	7,197	7,475	7,709	7,694	7,423	6,937	6,498
New Jersey.....	1,597	1,428	1,470	1,556	1,487	1,517	1,627	1,536	1,601	1,613	1,712	1,842	1,774
New York.....	603	492	521	552	544	513	557	597	624	606	665	751	809
Ohio.....	900	904	934	919	930	934	944	951	979	1,004	1,082	1,154	1,141
Pennsylvania.....	693	658	665	690	681	639	634	657	659	677	739	794	824
West Virginia.....	374	372	340	305	300	298	335	372	359	368	448	484	506

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	42
Reporting expenditures for plant and equipment.....	35
Value of products:	
Total for the industry.....	\$20,817,045
Reporting expenditures for plant and equipment.....	19,588,743
Expenditures for plant and equipment:	
Total for the industry.....	792,769
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	218,869
Expenditures for new machinery and operating equipment.....	571,813
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	1,837
Expenditures unclassified.....	250

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$4,228,688	\$5,122,499
Finished products.....	2,540,087	2,267,470
Materials, supplies, etc.....	1,688,601	2,855,029
End of year, total.....	4,326,846	6,325,017
Finished products.....	2,421,117	2,921,404
Materials, supplies, etc.....	1,905,729	3,403,613
Value of products for the industry, total.....	20,817,045	23,659,374
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	19,741,388	23,370,657
Value for establishments not reporting inventories.....	1,075,657	288,717

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	42
Number of establishments reporting power equipment.....	42
Prime movers, aggregate:	
Number.....	16
Horsepower.....	2,848
Prime movers, driving generators, total—	
Number.....	10
Horsepower.....	2,298
Steam engines—	
Number.....	6
Horsepower.....	678
Steam turbines—	
Number.....	2
Horsepower.....	1,320
Diesel and semi-Diesel engines—	
Number.....	2
Horsepower.....	300
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	75
Prime movers, not driving generators:	
Number.....	6
Horsepower.....	550
Steam engines—	
Number.....	6
Horsepower.....	550
Generators, kilowatt rating, total.....	1,660
Generators, driven by—	
Steam engines, kilowatt rating.....	470
Steam turbines, kilowatt rating.....	990
Diesel and semi-Diesel engines, kilowatt rating.....	200
Generators, ordinarily idle (included above), kilowatt rating.....	75
Electric motors, total:	
Number.....	4,665
Horsepower.....	21,554
Driven by purchased energy—	
Number.....	3,339
Horsepower.....	17,490
Driven by energy generated in establishments reporting—	
Number.....	1,326
Horsepower.....	4,064
Electric energy (kilowatt-hours):	
Generated in plant.....	3,871,909
Purchased.....	19,437,876

<sup>1</sup> Comparable data for 1929 not available.

# CHINA FIRING AND DECORATING (FOR THE TRADE)

[A preliminary report for this industry was issued December 6, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in firing and decorating china for the trade. Small establishments engaged in such work for private customers or to individual order are not canvassed.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1939**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>
1899	24	421	\$425,644	\$1,118,732	\$2,334,161	\$1,215,429
1907	16	306	359,151	762,423	1,689,893	927,470
1935	19	278	224,271	644,796	1,267,029	622,233
1933	14	152	127,449	377,902	761,718	383,816
1931	21	220	235,832	550,885	1,127,619	576,734
1929	27	317	420,303	640,361	1,554,003	913,642
1927	31	376	428,232	681,653	1,692,079	1,010,426
1925	31	333	385,912	672,277	1,589,832	917,555
1923	33	355	460,411	609,519	1,492,609	883,060
1921	34	325	397,835	504,270	1,241,964	737,694
1919	43	244	244,211	310,785	866,762	555,977
1914	51	295	159,471	330,190	726,960	396,770
1909	40	328	190,860	311,117	786,293	475,176
1904	28	225	99,137	107,647	326,679	219,632
1899	49	248	122,423	207,366	484,891	277,535

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.  
<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**  
 [See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	New Jersey	New York	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	24	3	8	13
Proprietors and firm members.....	19	3	7	9
Persons reported by manufacturing establishments, total <sup>3</sup> .....	509	34	104	370

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued**

ITEM	United States	New Jersey	New York	Other States <sup>1</sup>
Persons reported by manufacturing establishments—Continued.				
Salaried officers of corporations <sup>2</sup> .....	18	2	8	8
Manufacturing:				
Salaried employees <sup>3</sup> .....	29	2	.....	27
Wage earners (average for the year) <sup>4</sup> .....	421	29	83	308
Distribution.....	38	1	13	24
Construction.....	3	.....	.....	3
Salaries and wages, total <sup>5</sup> .....	\$616,440	\$25,087	\$101,343	\$490,010
Salaried officers <sup>3</sup> .....	82,033	4,300	22,430	55,303
Manufacturing:				
Salaries <sup>3</sup> .....	43,524	1,820	.....	41,704
Wages.....	425,644	18,196	60,117	347,331
Distribution.....	62,417	771	18,796	42,850
Construction.....	2,822	.....	.....	2,822
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	1,118,732	26,551	188,139	904,042
Materials, supplies, and containers.....	1,063,962	23,449	159,004	881,509
Fuel.....	28,408	2,307	10,174	15,927
Purchased electric energy.....	6,337	231	1,603	4,503
Contract work.....	20,025	564	17,358	2,103
Value of products.....	2,334,161	82,954	372,252	1,878,955
Value added by manufacture <sup>6</sup> .....	1,215,429	56,403	184,113	974,913

<sup>1</sup> California, 1 establishment; Illinois, 7; Maryland, 1; Massachusetts, 1; Ohio, 1; Virginia, 1; West Virginia, 1.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937**

**TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937**

No detailed production figures are collected for this industry; therefore, no figures are available for tables 3 and 4.

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[SEE GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939	421	380	366	402	372	360	367	438	428	444	452	513	407
1937	306	300	291	281	285	282	288	299	314	325	332	334	335
1929	317	334	327	330	314	314	302	297	293	312	327	330	324
Illinois	244	210	227	231	207	202	202	265	257	259	273	304	293
New Jersey	29	28	28	26	21	25	25	28	27	32	31	42	40
New York	83	80	78	82	80	69	76	81	80	87	84	101	98

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	24
Reporting expenditures for plant and equipment	9
Value of products:	
Total for the industry	\$2,334,161
Reporting expenditures for plant and equipment	1,737,315
Expenditures for plant and equipment:	
Total for the industry	26,086
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	21,520
Expenditures for new machinery and operating equipment	3,431
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	1,135

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total	\$415,578	\$265,438
Finished products	212,345	121,483
Materials, supplies, etc.	203,233	143,955
End of year, total	446,837	301,629
Finished products	238,710	156,898
Materials, supplies, etc.	208,127	144,731
Value of products for the industry, total	2,334,161	1,689,893
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	2,258,306	1,630,711
Value for establishments not reporting inventories	75,855	59,182

TABLE 8.—POWER—MOTORS AND PURCHASED ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments	24	27
Number of establishments reporting power equipment	24	10
Electric motors, driven by purchased energy:		
Number	83	22
Horsepower	52	53
Electric energy, purchased (kilowatt-hours)	167,384	301,731

## POTTERY PRODUCTS NOT ELSEWHERE CLASSIFIED

[A preliminary report for this industry was issued December 4, 1940]

This industry embraces establishments primarily engaged in the manufacture of pottery not elsewhere classified. Included are porcelain china, bone china, delft and Belleek ware; chemical porcelain; chemical stoneware; etc. Prior to the 1939 census this industry was a part of the former industry entitled "Pottery, including porcelain ware." A special tabulation was made of the 1937 reports to obtain figures comparable with those for 1939.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horsepower of prime movers
1939.....	151	6,054	\$6,398,313	\$3,817,600	\$16,593,344	\$12,775,744	2,501
1937.....	131	5,294	5,740,432	3,234,585	14,569,850	11,335,265	(4)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	New Jersey	New York	North Carolina	Ohio	Pennsylvania	Texas	Washington	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	151	22	10	13	4	5	40	7	6	5	39
Proprietors and firm members.....	105	19	2	4	2	8	20	6	7	4	33
Persons reported by manufacturing establishments, total <sup>3</sup> .....	6,972	726	518	186	41	13	3,038	194	83	15	1,269
Salaried officers of corporations <sup>3</sup> .....	161	5	13	24	6	-----	54	9	2	3	45
Manufacturing:											
Salaried employees <sup>3</sup> .....	450	43	47	83	4	-----	173	25	5	1	69
Wage earners (average for the year) <sup>4</sup> .....	6,054	643	526	826	27	13	2,700	153	71	11	1,185
Distribution.....	286	40	12	53	4	-----	98	7	5	-----	67
Construction.....	16	4	-----	-----	-----	-----	10	-----	-----	-----	2
Other.....	5	1	-----	-----	-----	-----	3	-----	-----	-----	1
Salaries and wages, total <sup>3</sup> .....	\$8,549,161	\$932,350	\$150,553	\$1,243,634	\$81,585	\$7,310	\$3,920,019	\$301,805	\$58,210	\$13,520	\$1,340,135
Salaried officers <sup>3</sup> .....	781,154	19,720	61,480	147,559	34,280	-----	295,263	58,620	8,100	2,623	154,009
Manufacturing:											
Salaries <sup>3</sup> .....	793,839	76,658	76,720	159,663	6,840	-----	315,478	48,433	5,200	1,200	103,677
Wages.....	6,358,313	748,917	476,277	848,277	34,345	7,310	3,067,016	178,816	38,313	9,367	978,655
Distribution.....	547,824	77,068	36,076	88,135	6,120	-----	166,138	15,526	6,017	-----	122,414
Construction.....	22,983	9,106	-----	-----	-----	-----	13,277	-----	-----	-----	600
Other.....	4,248	921	-----	-----	-----	-----	2,047	-----	500	-----	780
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	3,817,600	477,640	411,331	355,187	30,753	10,397	1,772,136	119,896	23,204	7,196	609,400
Materials, supplies, and containers.....	2,800,578	381,699	319,382	262,216	23,166	7,022	1,320,424	68,507	13,731	4,233	399,368
Fuel.....	756,838	66,606	71,818	69,366	6,012	2,955	341,192	38,713	6,608	2,063	151,105
Purchased electric energy.....	239,348	21,731	20,131	24,605	1,575	420	68,584	12,397	2,615	900	56,680
Contract work.....	20,836	7,304	-----	-----	-----	-----	11,126	279	250	-----	1,877
Value of products.....	16,593,344	1,782,651	1,294,826	2,158,174	144,632	34,148	7,603,168	600,711	117,062	37,737	2,899,705
Value added by manufacture <sup>5</sup> .....	12,775,744	1,305,011	883,495	1,803,687	113,879	23,751	5,731,062	500,815	13,858	30,541	2,290,245

<sup>1</sup> Arkansas, 2 establishments; Colorado, 3; Connecticut, 1; District of Columbia, 1; Georgia, 2; Indiana, 1; Kansas, 1; Kentucky, 1; Maryland, 1; Massachusetts, 3; Michigan, 3; Minnesota, 1; Mississippi, 2; Missouri, 2; Nebraska, 1; New Mexico, 1; Oklahoma, 1; Oregon, 1; South Carolina, 1; Tennessee, 2; Virginia, 1; West Virginia, 6; Wisconsin, 1.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

POTTERY PRODUCTS NOT ELSEWHERE CLASSIFIED

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Pottery Products Not Elsewhere Classified industry, all products, total value.....	\$16,593,344	\$14,569,850
Pottery products, not elsewhere classified, made in the industry.....	16,004,263	14,144,688
Receipts for contract and repair work.....	8,435	
Miscellaneous products not specified.....	49,051	425,162
Other products (not classified in this industry).....	1,531,595	
Pottery products, not elsewhere classified, total value.....	17,842,259	16,173,962
Pottery products, not elsewhere classified, made in this industry.....	16,004,263	14,144,688
Pottery products not elsewhere classified, made by establishments with products under \$5,000 in value.....	82,878	57,309
Pottery products, not elsewhere classified, made as secondary products in other industries of the Pottery and Related Products subgroup and in the Structural Clay Products subgroup.....	1,755,118	1,971,965

<sup>1</sup> Includes value of porcelain electrical supplies, floor and wall tile, fire-clay products, bathroom and toilet fixtures, and chinaware.

TABLE 4.—PRODUCTS, BY KIND AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939	1937
Total value.....	\$17,842,259	\$16,173,962
Pyrometric cones.....	99,362	106,285
Red earthenware (flowerpots, etc.).....	2,097,191	1,959,880
Stoneware (except chemical) and yellow and Rockingham ware:		
Stoneware.....	1,574,809	1,889,049
Yellow and Rockingham ware.....	241,320	
Chemical stoneware.....	722,139	876,636
Garden pottery.....	327,277	230,445
Art pottery.....	5,339,936	3,512,281
Gas radiants and backwalls for use in portable stoves.....	873,515	906,350
Saggers (of own make).....	607,502	586,788
Other pottery products.....	15,959,208	6,106,248

<sup>1</sup> Includes \$806,908 produced by plants within the Pottery and Related Products subgroup.

TABLE 5.—PRODUCTS, BY KIND AND VALUE, BY STATES: 1939

	Number of establishments	Value
Total value.....		\$17,842,259
Pyrometric cones:		
Ind., 1 est.; Ohio, 2; W. Va., 1.....	4	99,362
Red earthenware (flowerpots, etc.), total.....	77	2,097,191
California.....	4	190,504
Georgia.....	6	17,175
Illinois.....	4	192,230
Mississippi.....	7	8,060
New Jersey.....	5	95,199
New York.....	4	139,554
Ohio.....	6	141,343
Pennsylvania.....	4	345,115
Texas.....	4	42,752
Washington.....	3	20,648

TABLE 5.—PRODUCTS, BY KIND AND VALUE, BY STATES: 1939—Continued

	Number of establishments	Value
Red earthenware—Continued.		
Ariz., 1 est.; Colo., 1; Utah, 1.....	3	\$14,385
D. C., 1 est.; Md., 1; Va., 1.....	3	42,090
Ind., 2 est.; Ky., 2; Mich., 3.....	7	241,126
Kans., 1 est.; Mo., 2.....	3	54,267
Minn., 1 est.; Nebr., 1; Wis., 1.....	3	110,007
N. C., 2 est.; S. C., 3.....	5	28,470
Other States (Ala., 1 est.; Conn., 1; Mass., 1; Oreg., 1; Tenn., 1; W. Va., 1).....	6	414,266
Stoneware (except chemical) and yellow and Rockingham ware:		
Stoneware, total.....	35	1,574,809
California.....	4	82,139
Ohio.....	4	407,758
Texas.....	6	74,300
Ala., 1 est.; Miss., 2.....	3	9,272
Ark., 1 est.; S. C., 2; Tenn., 1.....	4	10,166
Ill., 4 est.; Ind., 2; Minn., 1.....	7	802,272
Other States (Kans., 1 est.; Ky., 2; Mass., 1; Oreg., 1; Pa., 2).....	7	188,842
Yellow and Rockingham ware (Ky., 1 est.; Ohio, 3).....	4	241,320
Chemical stoneware:		
Mass., 1 est.; Mich., 1; N. J., 1; Ohio, 4.....	7	722,139
Garden pottery, total.....	26	327,277
California.....	4	110,260
Ohio.....	6	156,790
Ala., 3 est.; Ga., 3.....	6	9,798
Other States (Ind., 2 est.; Mich., 1; Miss., 1; N. M., 1; Pa., 1; Tenn., 1; Tex., 1; Wash., 2).....	10	50,429
Art pottery, total.....	80	5,339,936
California.....	18	748,431
North Carolina.....	6	24,686
Ohio.....	19	2,783,299
Ala., 3 est.; Fla., 1; Ga., 1.....	5	8,457
Ark., 2 est.; Okla., 1.....	3	146,282
Ill., 3 est.; Minn., 2.....	5	733,398
Ind., 2 est.; Ky., 2.....	4	7,084
Mass., 1 est.; N. Y., 1; Pa., 3.....	5	34,539
Other States (Colo., 2 est.; Mich., 1; Miss., 2; N. J., 2; S. C., 1; Tenn., 1; Tex., 1; Va., 1; Wash., 1; W. Va., 3).....	15	853,760
Gas radiants and backwalls for use in portable stoves:		
N. J., 2 est.; Ohio, 4.....	6	873,515
Saggers (of own make), total.....	46	607,502
Illinois.....	3	63,608
Ohio.....	15	108,702
Pennsylvania.....	3	21,819
Calif., 4 est.; Colo., 1.....	5	19,143
Ind., 3 est.; W. Va., 7.....	10	312,626
N. J., 3 est.; N. Y., 1.....	4	61,218
Other States (Ark., 1 est.; Ga., 1; Ky., 1; Mich., 2; Tenn., 1).....	6	20,386
Other pottery products, total.....	71	15,959,208
California.....	9	731,800
New Jersey.....	11	1,373,382
Ohio.....	14	2,781,168
Ill., 3 est.; Mich., 2.....	5	224,452
N. Y., 4 est.; Pa., 5.....	9	465,111
Other States (Ala., 2 est.; Ark., 1; Colo., 1; Ga., 6; Ky., 1; Mass., 1; Miss., 1; N. M., 1; N. C., 1; Okla., 1; S. C., 1; Tenn., 2; Va., 1; Wash., 1; W. Va., 2).....	23	383,295

<sup>1</sup> Includes \$806,908 produced by plants within the Pottery and Related Products subgroup.

## CENSUS OF MANUFACTURES: 1939

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	6,054	5,673	5,865	6,124	6,122	6,007	5,938	5,844	5,903	6,095	6,309	6,370	6,395
1937.....	5,294	4,708	4,888	5,355	5,412	5,388	5,304	5,274	5,416	5,558	5,522	5,498	5,143
California.....	643	619	649	657	655	641	644	620	642	624	630	662	671
Colorado.....	163	169	160	161	159	159	167	165	163	160	165	167	167
Illinois.....	526	432	454	473	499	471	466	465	517	585	642	659	652
Massachusetts.....	68	69	67	65	67	68	71	71	67	67	68	66	68
Michigan.....	41	41	40	41	42	39	40	33	42	42	43	43	42
New Jersey.....	826	794	798	807	798	787	812	816	813	846	848	873	914
New York.....	27	25	26	26	26	27	26	26	26	28	28	29	28
North Carolina.....	13	13	13	13	13	13	13	12	12	11	12	13	13
Ohio.....	2,700	2,549	2,622	2,798	2,784	2,724	2,672	2,631	2,616	2,706	2,776	2,764	2,764
Pennsylvania.....	153	115	162	160	161	158	126	126	159	164	168	169	170
Texas.....	71	64	69	68	69	71	70	72	74	74	67	74	75
Washington.....	11	7	11	11	11	11	11	11	13	11	12	11	12
West Virginia.....	331	337	333	348	346	343	329	323	284	299	336	333	357

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	151
Reporting expenditures for plant and equipment.....	93
Value of products:	
Total for the industry.....	\$16,593,344
Reporting expenditures for plant and equipment.....	14,742,352
Expenditures for plant and equipment:	
Total for the industry.....	462,313
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	145,230
Expenditures for new machinery and operating equipment.....	287,607
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	29,428
Expenditures unclassified.....	48

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$3,415,638	\$2,851,266
Finished products.....	2,430,631	1,934,642
Materials, supplies, etc.....	985,007	916,624
End of year, total.....	3,510,573	3,021,002
Finished products.....	2,414,124	2,021,113
Materials, supplies, etc.....	1,096,449	999,889
Value of products for the industry, total.....	16,593,344	14,569,850
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	16,338,397	13,042,712
Value for establishments not reporting inventories.....	254,947	1,527,138

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	151
Number of establishments reporting power equipment.....	151
Prime movers, aggregate:	
Number.....	37
Horsepower.....	2,501
Prime movers, driving generators, total—	
Number.....	9
Horsepower.....	1,204
Steam engines—	
Number.....	8
Horsepower.....	1,004
Diesel and semi-Diesel engines—	
Number.....	1
Horsepower.....	200
Prime movers not driving generators, total—	
Number.....	28
Horsepower.....	1,297
Steam engines—	
Number.....	18
Horsepower.....	1,095
Diesel and semi-Diesel engines—	
Number.....	4
Horsepower.....	105
Other internal-combustion engines <sup>2</sup> —	
Number.....	6
Horsepower.....	97
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	35
Generators, kilowatt rating, total.....	837
Generators, driven by—	
Steam engines, kilowatt rating.....	687
Diesel and semi-Diesel engines, kilowatt rating.....	150
Electric motors, total:	
Number.....	3,161
Horsepower.....	12,091
Driven by purchased energy—	
Number.....	2,860
Horsepower.....	11,149
Driven by energy generated in establishments reporting—	
Number.....	301
Horsepower.....	942
Electric energy (kilowatt-hours):	
Generated in plant.....	99,780
Purchased.....	12,651,155

<sup>1</sup> Comparative data for 1929 not available.<sup>2</sup> Gas, gasoline, etc.

# CONCRETE PRODUCTS

[A preliminary report for this industry was issued December 31, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of concrete building blocks and shapes, pipes, and conduits, and similar products such as poles and piling, vaults, etc., from a combination of stone or gravel, sand, and cement. This industry also includes establishments producing premixed or transit-mixed concrete where there are plant facilities for storage, measuring, and loading trucks. This industry does not include concrete construction work on buildings, bridges, etc.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1904 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horse-power of prime movers
1939	2,040	17,363	\$18,769,873	\$65,684,650	\$130,393,396	\$64,708,746	25,291
1937	1,382	12,840	13,780,699	35,453,152	76,173,865	40,720,713	(5)
1935	1,224	8,399	7,833,753	20,222,550	44,937,302	24,744,752	(5)
1933	766	4,422	3,592,437	9,288,863	20,537,942	11,249,079	(5)
1931	1,432	9,253	10,727,729	22,372,872	53,191,710	30,318,838	(5)
1929	2,438	16,505	22,688,062	34,035,184	92,900,749	58,865,565	6,719
1927	2,330	17,808	24,897,709	33,913,086	93,259,206	59,346,120	7,120
1925	1,666	14,722	20,761,376	27,792,116	75,213,986	47,421,870	6,026
1923	1,123	10,766	14,894,042	20,485,547	53,602,321	33,115,774	5,582
1921	1,123	6,984	8,690,770	13,483,392	31,768,143	18,284,751	(5)
1919	2,785	8,378	9,310,899	13,913,317	33,664,332	19,751,015	10,209
1914	3,548	10,255	6,307,752	8,903,630	21,933,630	13,030,000	14,221
1909	3,439	9,957	5,342,063	7,042,942	18,595,688	11,552,746	9,663
1904 <sup>7</sup>	477	2,506	1,402,858	1,430,238	4,128,221	2,697,983	2,227

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

<sup>7</sup> No comparable data for 1899.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Alabama	Arizona	California	Colorado	Connecticut	Delaware	District of Columbia	Florida	Georgia	Idaho
Number of establishments <sup>1</sup>	2,040	23	5	165	11	29	17	9	63	20	9
Proprietors and firm members	1,398	11	1	143	5	16	15	1	46	8	9
Persons reported by manufacturing establishments, total <sup>2</sup>	22,459	243	44	1,442	119	331	144	341	826	352	67
Salaried officers of corporations <sup>2</sup>	1,033	3	2	42	6	13	4	13	33	14	10
Manufacturing:											
Salaried employees <sup>2</sup>	1,728	21	3	115	8	28	6	23	66	29	7
Wage earners (average for the year) <sup>3</sup>	17,363	216	34	1,099	100	236	107	291	658	289	48
Distribution	2,087	3	2	146	5	52	25	12	66	13	2
Construction	165			9		2	1		3	6	
Other	83		3	31			1	2		1	
Salaries and wages, total <sup>4</sup>	\$28,699,936	\$206,695	\$39,333	\$1,959,620	\$137,077	\$441,617	\$130,517	\$539,993	\$735,896	\$256,808	\$65,544
Salaried officers <sup>2</sup>	3,817,627	7,860	5,840	158,990	15,344	59,024	17,400	86,310	81,722	53,940	10,700
Manufacturing:											
Salaries <sup>2</sup>	2,726,096	35,096	3,890	197,366	13,124	43,743	12,816	45,220	88,314	39,086	7,902
Wages	18,769,873	159,939	29,620	1,294,979	104,043	279,364	70,067	381,947	487,912	139,506	43,842
Distribution	3,064,252	3,800	1,800	241,047	4,566	56,354	27,538	24,116	71,250	19,483	3,100
Construction	228,000			30,126		3,142	1,916		6,659	3,373	
Other	94,088		1,183	37,112			780	2,400		520	
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total	65,684,650	729,179	49,933	3,526,891	328,133	987,779	398,456	2,662,589	1,533,066	584,896	74,530
Materials and supplies	63,177,255	717,362	48,242	3,432,066	314,928	948,633	386,663	2,529,390	1,492,205	570,897	69,058
Fuel	870,467	3,641	96	27,993	7,744	10,508	3,954	6,954	17,564	5,809	1,395
Purchased electric energy	1,045,850	8,176	1,600	56,584	5,461	12,793	7,839	15,874	23,190	7,890	2,929
Contract work	591,078			9,348		15,845		110,371	98	300	1,148
Value of products	130,393,396	1,323,637	121,111	7,145,628	687,979	2,055,281	744,026	4,227,669	3,145,557	1,166,463	201,695
Value added by manufacture <sup>4</sup>	64,708,746	594,458	71,173	3,618,737	359,846	1,067,502	346,870	1,565,080	1,612,491	581,567	127,165

See footnotes at end of table.

## CENSUS OF MANUFACTURES: 1939

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	Illinois	Indiana	Iowa	Kansas	Kentucky	Louisiana	Maryland	Massachusetts	Michigan	Minnesota	Mississippi
Number of establishments <sup>1</sup> .....	116	92	43	24	18	16	41	65	119	86	7
Proprietors and firm members.....	86	76	32	11	10	3	24	31	106	71	2
Persons reported by manufacturing establishments, total <sup>2</sup> .....	961	790	475	241	242	266	556	1,030	1,271	747	120
Salaried officers of corporations <sup>2</sup> .....	44	36	33	8	10	14	21	37	52	33	4
Manufacturing:											
Salaried employees <sup>2</sup> .....	86	67	40	28	17	19	43	74	106	47	6
Wage earners (average for the year) <sup>3</sup> .....	748	637	335	178	170	227	435	799	1,001	573	106
Distribution.....	69	44	63	25	45	6	57	94	107	77	4
Construction.....	2	2	3	2				22	5	16	
Other.....	14	4	1					4		1	
Salaries and wages, total <sup>4</sup> .....	\$1,357,899	\$1,034,395	\$535,362	\$285,888	\$260,678	\$268,472	\$698,650	\$1,560,984	\$1,791,712	\$349,561	\$105,696
Salaried officers <sup>2</sup> .....	128,000	140,119	94,045	27,698	33,920	40,720	145,372	147,118	175,265	116,646	15,642
Manufacturing:											
Salaries <sup>2</sup> .....	148,571	105,562	49,738	39,943	29,312	31,135	76,450	147,200	168,079	65,031	12,566
Wages.....	955,920	731,298	317,906	183,968	146,024	180,937	391,713	1,060,690	1,281,922	574,846	74,380
Distribution.....	114,463	50,310	70,174	32,615	51,422	15,680	85,115	164,684	155,525	86,542	3,108
Construction.....	2,182	2,599	1,664					34,303	10,421	5,681	
Other.....	10,945	4,924	900					6,989	500	815	
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	2,142,274	2,287,349	947,096	726,618	852,866	516,051	1,869,018	3,718,105	3,552,211	1,874,961	185,751
Materials and supplies.....	2,045,341	2,222,119	910,913	713,448	839,982	503,782	1,823,600	3,524,560	3,412,422	1,776,873	178,900
Fuel.....	38,142	35,756	21,173	6,296	4,258	2,130	14,364	90,770	67,127	44,092	2,438
Purchased electric energy.....	45,790	27,941	14,625	6,874	8,626	10,060	31,054	46,775	71,100	36,922	4,413
Contract work.....	13,001	1,533	885			79		56,000	1,562	17,074	
Value of products.....	5,224,842	4,704,198	1,882,530	1,269,432	1,418,162	1,140,146	3,549,564	8,617,486	7,274,105	3,822,708	538,130
Value added by manufacture <sup>4</sup> .....	3,082,568	2,416,849	935,434	542,814	565,296	624,095	1,680,546	4,899,381	3,721,894	1,947,747	352,379

  

ITEM	Missouri	Montana	Nebraska	New Jersey	New York	North Carolina	Ohio	Oklahoma	Oregon	Pennsylvania	Rhode Island
Number of establishments <sup>1</sup> .....	37	6	21	88	174	14	147	21	19	217	10
Proprietors and firm members.....	10	3	15	44	18	5	104	28	9	173	2
Persons reported by manufacturing establishments, total <sup>2</sup> .....	593	49	207	1,205	1,855	285	1,308	263	138	1,804	116
Salaried officers of corporations <sup>2</sup> .....	32		16	58	118	15	71	11	13	74	9
Manufacturing:											
Salaried employees <sup>2</sup> .....	35	9	22	99	133	24	96	23	11	169	7
Wage earners (average for the year) <sup>3</sup> .....	471	35	152	1,043	1,325	227	980	206	108	1,450	91
Distribution.....	53	5	15	95	243	19	155	22	5	201	8
Construction.....	2		2	5	33		4			9	
Other.....				5	1		2	1	1	1	1
Salaries and wages, total <sup>4</sup> .....	\$807,140	\$60,105	\$246,541	\$1,824,106	\$2,872,127	\$262,728	\$1,784,623	\$260,410	\$184,608	\$2,430,196	\$151,972
Salaried officers <sup>2</sup> .....	145,747		45,525	256,467	455,208	40,884	249,636	33,792	29,190	238,243	22,709
Manufacturing:											
Salaries <sup>2</sup> .....	57,810	10,256	32,228	141,117	211,827	32,248	149,573	31,117	14,624	244,819	6,685
Wages.....	601,620	44,000	146,435	1,245,769	1,845,181	155,703	1,109,397	168,110	132,156	1,628,401	110,040
Distribution.....	96,759	5,849	19,821	166,624	328,097	30,446	166,106	28,637	5,163	301,670	12,088
Construction.....	5,804		2,732	6,061	26,714	3,847	9,225		1,700	16,756	
Other.....				7,444	2,000		186	1,174	875	267	450
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	2,012,700	92,584	784,243	3,379,468	7,870,252	446,065	3,616,983	810,103	442,647	6,780,979	384,689
Materials and supplies.....	1,965,060	89,277	768,214	3,228,762	7,648,558	435,974	3,478,513	801,112	431,496	6,276,012	375,614
Fuel.....	17,005	1,585	6,756	65,277	69,267	3,258	66,677	2,141	2,436	105,059	3,222
Purchased electric energy.....	27,868	1,722	9,273	83,378	110,847	6,833	66,062	6,850	8,115	115,907	5,853
Contract work.....	2,707			2,051	41,550		5,731		600	284,001	
Value of products.....	3,408,511	241,282	1,236,562	7,459,608	12,240,862	1,122,901	7,987,401	1,426,766	850,584	13,013,261	716,150
Value added by manufacture <sup>4</sup> .....	1,395,811	148,688	452,319	4,080,140	5,370,610	676,826	4,370,418	616,663	407,937	6,282,282	331,461

See footnotes at end of table.

CONCRETE PRODUCTS

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	South Carolina	South Dakota	Tennessee	Texas	Utah	Vermont	Virginia	Washington	West Virginia	Wisconsin	Other States <sup>1</sup>
Number of establishments <sup>1</sup> .....	12	9	20	60	8	8	35	38	26	76	16
Proprietors and firm members.....	7	3	5	40	11	7	26	8	23	63	7
Persons reported by manufacturing establishments, total <sup>2</sup> .....	197	43	433	736	86	33	606	528	287	618	261
Salaried officers of corporations <sup>2</sup> .....	6	3	18	41	1	4	23	37	7	37	7
Manufacturing:											
Salaried employees <sup>2</sup> .....	10	9	36	33	8	3	33	41	16	52	20
Wage earners (average for the year) <sup>3</sup> .....	164	27	338	587	71	26	498	392	237	457	191
Distribution.....	16	4	37	73	6		52	45	25	65	26
Construction.....	1		3	1				9	2	7	14
Other.....			1	1				4			3
Salaries and wages, total <sup>2</sup> .....	\$160,201	\$50,504	\$428,986	\$786,980	\$89,668	\$22,740	\$656,897	\$848,190	\$318,800	\$957,521	\$231,896
Salaried officers <sup>2</sup> .....	14,381	12,882	71,517	163,019	1,916	3,230	101,328	138,358	39,950	174,972	17,198
Manufacturing:											
Salaries <sup>2</sup> .....	21,794	9,135	52,280	87,514	12,153	2,680	55,227	67,594	26,778	89,770	36,519
Wages.....	103,484	22,283	247,668	476,584	61,749	16,830	407,172	539,865	203,775	572,752	146,176
Distribution.....	19,242	6,204	82,646	89,079	13,850		93,170	83,696	38,059	105,219	18,736
Construction.....	1,300		4,115	1,248				14,777	7,810	14,808	6,467
Other.....			460	536				3,600	2,428		6,810
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	614,104	74,801	1,008,034	1,748,239	98,175	43,422	1,473,799	1,487,775	691,700	1,825,296	450,835
Materials and supplies.....	605,975	71,188	984,678	1,717,711	84,732	42,144	1,415,711	1,450,673	676,661	1,743,791	442,875
Fuel.....	4,056	2,385	21,831	6,948	1,610	547	36,574	7,043	3,643	28,116	4,487
Purchased electric energy.....	4,073	1,268	21,625	23,205	2,683	731	21,514	26,156	11,096	39,793	3,473
Contract work.....				375	7,850			3,873		15,696	
Value of products.....	1,189,892	180,837	1,845,608	3,250,526	299,099	100,185	2,869,494	3,006,631	1,404,683	4,067,174	1,184,420
Value added by manufacture <sup>4</sup> .....	575,788	106,036	837,874	1,501,697	201,524	56,763	1,426,695	1,518,856	712,683	2,241,878	733,585

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>5</sup> Arkansas, 2 establishments; Maine, 3; Nevada, 1; New Hampshire, 2; New Mexico, 2; North Dakota, 4; Wyoming, 2.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939, 1937, AND 1929

	1939	1937	1929
Concrete Products industry, all products, total value.....	\$130,393,396	\$76,173,865	\$92,900,749
Concrete products made in this industry.....	126,865,794	73,430,305	92,244,077
Merchandise bought and resold.....	<sup>1</sup> 1,708,089	( <sup>2</sup> )	( <sup>2</sup> )
Receipts for contract and repair work.....	637,050	1,840,304	172,713
Miscellaneous products not specified.....	312,942		
Other products (not classified in this industry).....	<sup>3</sup> 869,521	897,256	483,959
Concrete products, total value.....	127,532,356	74,267,168	93,256,012
Concrete products made in this industry.....	126,865,794	73,430,305	92,244,077
Concrete products made as secondary products in other industries.....	666,562	830,863	1,011,935

<sup>1</sup> This amount includes products purchased for resale and sand and gravel sold from pits operated in conjunction with the manufacturing plants. A special tabulation shows that \$758,295 of this figure is known to be actually merchandising.  
<sup>2</sup> No data.  
<sup>3</sup> Includes, in order of value, sand-lime brick, metal fittings, plaster and mortar, crushed stone, sand-lime block, and asphalt paving materials.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939, 1937, AND 1929

PRODUCT	1939	1937	1929
Total value.....	<sup>1</sup> \$127,532,356	\$74,267,168	\$93,256,012
Building materials, total value.....	\$31,720,225	\$19,696,800	\$18,070,705
Art marble and Spanish floor tile:			
Tons.....	8,395	21,859	( <sup>2</sup> )
Value.....	\$122,456	\$211,529	\$738,205
Block and tile, except roofing tile:			
Thousands.....	<sup>1</sup> 406,555	( <sup>3</sup> )	( <sup>3</sup> )
Value.....	<sup>1</sup> \$25,515,173	\$14,862,739	\$30,471,526
Brick:			
Tons.....	<sup>4</sup> 146,651	49,384	102,512
Value.....	<sup>4</sup> \$866,478	\$347,900	\$1,004,633
Cast stone:			
Tons.....	<sup>1</sup> 132,447	92,305	332,318
Value.....	<sup>1</sup> \$3,258,452	\$2,260,744	\$12,927,249
Roofing tile:			
Tons.....	70,072	74,108	137,052
Value.....	\$1,764,715	\$1,948,727	\$2,869,092
Squares for walls, ceilings, etc.:			
Tons.....	27,145	6,614	( <sup>2</sup> )
Value.....	\$192,951	\$65,221	

See footnotes at end of table.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939, 1937, AND 1929—Con.

PRODUCT	1939	1937	1929
Circular structures:			
Tons.....	86,923	63,743	213,357
Value.....	\$1,566,056	\$1,519,563	\$2,216,123
Conduits and pipes, total value.....	\$22,238,996	\$15,099,835	\$20,815,006
Culvert pipe:			
Tons.....	4,711,938	572,789	357,587
Value.....	\$8,860,827	\$6,701,367	\$4,379,229
Drain tile:			
Tons.....	82,531	71,059	75,563
Value.....	\$887,689	\$239,477	\$714,879
Electric conduits:			
Tons.....	5,495	1,649	12,578
Value.....	\$98,091	\$31,517	\$295,602
Irrigation pipe:			
Tons.....	158,974	170,737	264,801
Value.....	\$1,881,232	\$2,003,573	\$3,054,609
Sewer pipe:			
Tons.....	890,277	535,190	1,003,673
Value.....	\$10,511,157	\$5,723,901	\$12,370,687
Laundry trays:			
Number.....	207,109	( <sup>2</sup> )	( <sup>3</sup> )
Value.....	\$976,094	\$682,731	\$1,101,829
Vaults:			
Number.....	1,141,654	( <sup>2</sup> )	( <sup>3</sup> )
Value.....	\$5,153,834	\$3,076,445	\$3,270,846
Paving materials:			
Tons.....	200,555	157,460	54,163
Value.....	\$785,330	\$672,935	\$694,793
Poles and posts:			
Tons.....	14,450	15,965	28,203
Value.....	\$438,318	\$493,465	\$1,412,405
Piling:			
Tons.....	4,18,309	16,705	( <sup>4</sup> )
Value.....	\$214,665	\$217,662	
Premixed concrete:			
Cubic yards.....	1,7,772,074	3,684,897	( <sup>2</sup> )
Value.....	\$50,569,291	\$23,434,704	\$7,618,069
Septic tanks:			
Number.....	11,064	( <sup>2</sup> )	( <sup>3</sup> )
Value.....	\$238,579	\$215,005	\$963,183
Other products in which cement is a material, value <sup>7</sup> .....	\$13,630,668	\$8,557,373	\$7,063,023

<sup>1</sup> The total includes \$660,562, value of products made in other industries, \$608,079 of which was distributed as follows: "Block and tile, except roofing tile," 4,712 thousand, valued at \$383,298; "Cast stone," 705 tons, value \$17,928; "Vaults," 1,905, value \$3,903; "Premixed concrete," 7,676 cubic yards, value \$47,959, and "Other products in which cement is a material," \$95,011. The items to which footnote 4 is indexed include small amounts which cannot be given without disclosing production of individual establishments.

<sup>2</sup> No data.  
<sup>3</sup> Quantity given in tons for 1937 and 1929; "Block and tile, except roofing tile," 2,344,310 tons for 1937 and 4,327,452 tons for 1929; "Laundry trays," 29,314 tons for 1937 and 36,430 tons for 1929; "Vaults," 109,636 tons for 1937 and 82,640 tons for 1929; "Septic tanks," 9,046 tons for 1937 and 27,383 tons for 1929.

<sup>4</sup> See footnote 1.  
<sup>5</sup> Included in "Other products in which cement is a material."  
<sup>6</sup> Includes sanitary fittings.  
<sup>7</sup> Pressure pipe, garbage boxes, garden furniture, incinerators, battery wells and boxes, concrete-filled columns, cribbing, fireplaces and mantels, grease traps, meter boxes, monuments and grave markers, terrazzo steps, and well curbing.

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939

KIND AND STATE	Number of establishments	Quantity	Value
Building materials:			
Art marble and Spanish floor tile:		Tons	
Calif., 1 est.; Fla., 1; Ill., 2; Mass., 1; Tex., 2.....	7	8,395	\$122,456
Block and tile, except roofing tile, total.....	933	406,555	25,515,173
California.....	19	2,478	175,308
Connecticut.....	7	1,047	134,586
Delaware.....	10	1,449	184,191
Florida.....	31	16,645	1,420,560
Georgia.....	4	1,167	140,527
Idaho.....	7	342	49,182
Illinois.....	61	8,812	1,186,336
Indiana.....	44	68,959	928,634
Iowa.....	28	4,358	447,869
Kansas.....	7	726	67,027
Kentucky.....	7	976	120,967
Maryland.....	22	10,060	1,114,073
Massachusetts.....	20	4,875	544,120
Michigan.....	80	115,456	3,115,332
Minnesota.....	60	11,290	1,355,923

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Quantity	Value
Building materials—Continued.		Thousands	
Block and tile, except roofing tile—Continued.			
Missouri.....	11	3,403	\$373,291
Nebraska.....	8	1,979	200,288
New Jersey.....	54	20,942	2,292,164
New York.....	92	27,291	2,545,242
Ohio.....	69	14,796	1,505,854
Oregon.....	5	217	23,464
Pennsylvania.....	110	25,104	3,000,842
South Carolina.....	6	304	37,453
Tennessee.....	9	3,019	364,655
Texas.....	12	1,730	108,291
Vermont.....	3	100	12,421
Virginia.....	17	7,941	892,324
Washington.....	20	1,082	97,891
West Virginia.....	19	3,563	445,877
Wisconsin.....	48	10,606	1,376,017
Ala., 4 est.; La., 2; Miss., 1.....	7	2,865	94,000
Ariz., 2 est.; Colo., 3; Utah, 3.....	8	23,171	267,554
Other States (D. C., 3 est.; Maine, 1; N. C., 5; N. Dak., 1; Okla., 3; R. I., 3; S. Dak., 3).....	19	9,832	875,210
Brick, total.....	146	146,651	866,478
Florida.....	13	16,048	117,572
Illinois.....	9	15,785	90,788
Indiana.....	3	2,157	15,184
Iowa.....	4	3,808	21,536
Massachusetts.....	4	7,858	38,703
Michigan.....	15	15,600	107,929
New Jersey.....	7	1,545	10,080
New York.....	8	3,271	12,636
North Carolina.....	4	11,705	67,366
Ohio.....	8	12,003	67,207
Texas.....	7	8,840	53,107
Washington.....	13	3,014	21,064
Wisconsin.....	11	9,256	52,842
Ariz., 1 est.; Calif., 4.....	5	1,177	18,109
Conn., 2 est.; R. I., 2.....	4	2,583	10,251
D. C., 1 est.; Md., 2.....	3	4,600	30,240
Ga., 1 est.; S. C., 1; Va., 3.....	5	16,035	56,013
Kans., 2 est.; Mo., 2.....	4	1,048	6,051
Minn., 6 est.; S. Dak., 1; Utah, 2; Wyo., 1.....	10	9,607	64,704
Other States (Del., 1 est.; Ky., 1; Maine, 1; Nebr., 1; Pa., 3; Vt., 1; W. Va., 1).....	9	621	5,098
Cast stone, total.....	156	132,447	3,258,452
California.....	7	2,253	60,998
Florida.....	8	6,340	108,823
Georgia.....	4	4,747	124,451
Illinois.....	10	4,221	130,421
Massachusetts.....	7	10,340	283,344
Michigan.....	7	1,798	55,543
Missouri.....	4	2,485	32,708
New Jersey.....	5	6,950	122,000
New York.....	20	25,762	694,858
Ohio.....	10	4,690	133,344
Pennsylvania.....	12	8,132	149,317
Texas.....	10	9,260	224,454
Wisconsin.....	5	2,092	53,592
Ala., 2 est.; Ark., 1; La., 2; Miss., 1.....	6	7,390	171,475
Conn., 1 est.; R. I., 2.....	3	6,851	169,744
D. C., 1 est.; Md., 3; Va., 1.....	5	10,555	176,921
Iowa, 4 est.; Minn., 3.....	7	3,992	89,912
Kans., 3 est.; Nebr., 2.....	5	2,020	62,741
Other States (Ariz., 1 est.; Colo., 1; Ind., 3; Ky., 2; Mont., 1; N. C., 2; Okla., 2; Oreg., 1; S. C., 1; Tenn., 1; Utah, 1; Vt., 1; Wash., 3; W. Va., 1).....	21	12,569	353,826
Roofing tile, total.....	37	70,072	1,764,715
Florida.....	9	9,939	199,636
Other States (Ala., 2 est.; Calif., 2; Conn., 1; Ill., 1; Ind., 1; Iowa, 1; Kans., 1; Mich., 1; Mo., 2; N. J., 4; N. C., 1; Ohio, 2; Pa., 4; S. C., 2; Tenn., 1; Wash., 1; W. Va., 1).....	28	60,133	1,565,079
Squares for walls, ceilings, etc., total.....	14	27,145	192,951
Iowa, 1 est.; Minn., 1; Mo., 1.....	3	1,458	12,433
Ohio, 1 est.; Pa., 1; W. Va., 1.....	3	2,884	27,831
Other States (Calif., 2 est.; Ill., 1; La., 1; Md., 1; N. J., 1; Tex., 1; Wash., 1).....	8	22,803	152,687
Circular structures, total.....	42	86,923	1,566,056
Kansas.....	4	7,241	128,673
Minnesota.....	8	13,372	264,161

CONCRETE PRODUCTS

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Quantity	Value
<b>Circular structures—Continued.</b>			
New York	3	Tons 17,638	\$257,285
Calif., 2 est.; Wash., 3	5	1,655	15,218
Conn., 1 est.; Md., 1; N. J., 2	4	18,864	341,124
Iowa, 3 est.; Mich., 2; Wis., 4	9	14,698	291,332
Ohio, 2 est.; Pa., 2	4	9,707	198,381
Other States (Colo., 1 est.; Ill., 1; Ind., 1; Mo., 1; Vt., 1)	5	3,748	69,982
<b>Conduits and pipes:</b>			
Culvert pipe, total	302	711,938	8,860,827
Alabama	6	15,503	145,638
California	21	39,307	740,025
Georgia	3	13,451	138,658
Illinois	12	22,787	260,483
Iowa	17	41,817	479,733
Kansas	5	3,113	38,810
Louisiana	7	20,826	292,158
Massachusetts	5	25,033	341,878
Michigan	12	29,724	308,179
Minnesota	23	40,313	604,711
Missouri	7	15,122	143,159
Nebraska	4	3,881	46,007
New York	19	28,649	434,097
Ohio	11	29,799	348,221
Oklahoma	5	8,014	75,121
Oregon	12	15,653	175,047
South Carolina	5	41,270	362,415
South Dakota	6	7,628	107,400
Tennessee	5	31,805	341,957
Texas	16	29,912	394,915
Vermont	4	2,861	46,042
Virginia	6	20,759	257,649
Washington	22	17,292	239,169
Wisconsin	6	14,645	200,415
Ark., 1 est.; Miss., 3	4	20,203	226,048
Colo., 1 est.; N. Mex., 1; Utah, 3	5	7,334	113,398
Conn., 2 est.; N. J., 2; R. I., 1	5	33,438	386,186
Del., 2 est.; Md., 2; Pa., 9	13	59,818	753,152
Idaho, 4 est.; Mont., 4	8	7,457	128,873
Ind., 3 est.; Ky., 6	9	15,625	165,814
N. C., 6 est.; W. Va., 2	8	33,376	381,866
Other States (Ariz., 1 est.; Fla., 3; Maine, 1; N. H., 2; N. Dak., 4)	11	17,483	223,103
<b>Drain tile, total</b>			
California	22	8,578	96,091
Florida	8	488	7,041
Indiana	7	9,422	98,884
Iowa	10	13,542	109,658
Michigan	10	4,035	38,443
Minnesota	16	11,295	109,948
New York	3	205	3,623
North Carolina	5	300	2,528
Ohio	8	4,976	50,734
Oregon	8	1,577	19,130
South Carolina	4	907	7,705
Texas	12	3,096	40,461
Virginia	5	3,161	40,268
Washington	12	2,201	27,338
Wisconsin	6	6,470	61,181
Colo., 1 est.; Idaho, 1; Utah, 3	5	2,431	34,816
Ill., 9 est.; Ky., 3	12	4,409	62,373
La., 1 est.; Miss., 1; Tenn., 2	4	2,681	33,038
Other States (Ala., 2 est.; Conn., 2; Md., 1; Mo., 1; Nebr., 1; N. J., 1; S. Dak., 1)	9	2,947	44,429
<b>Electric conduits:</b>			
Calif., 3 est.; Ill., 1; La., 1; Miss., 1; Mo., 1; Ohio, 1	8	5,495	98,091

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Quantity	Value
<b>Conduits and pipes—Continued.</b>			
Irrigation pipe, total	109	Tons 168,974	\$1,881,232
California	71	107,714	1,230,229
Oregon	10	3,623	38,521
Idaho, 4 est.; Wash., 6	10	12,324	167,106
Other States (Ariz., 2 est.; Colo., 1; Ind., 1; Mich., 1; Mont., 3; Tex., 6; Utah, 3; Wyo., 1)	18	35,308	445,376
<b>Sewer pipe, total</b>			
Alabama	5	6,148	67,559
California	19	8,303	150,803
Georgia	5	20,525	226,298
Illinois	10	61,129	686,465
Indiana	10	56,231	756,472
Louisiana	6	27,259	341,157
Michigan	12	45,088	397,379
Minnesota	10	13,516	230,836
Missouri	6	33,449	285,747
New Jersey	6	101,865	1,155,986
New York	14	94,046	1,103,370
Ohio	13	83,261	1,134,184
Oklahoma	6	7,599	47,684
Oregon	12	8,671	91,335
Texas	14	35,154	444,590
Virginia	5	27,851	365,648
Washington	22	16,419	242,895
Wisconsin	5	47,830	616,893
Ariz., 2 est.; Colo., 2; Utah, 2	6	7,422	96,918
Ark., 1 est.; Miss., 3	4	15,603	177,656
Conn., 2 est.; Mass., 5; N. H., 1; R. I., 1	9	48,492	673,693
Idaho, 2 est.; Mont., 4	6	8,135	135,994
Iowa, 3 est.; Kans., 2; Nebr., 4	9	15,529	194,533
Ky., 4 est.; Tenn., 5	9	17,299	180,402
Md., 2 est.; Pa., 7	9	28,868	368,995
N. C., 4 est.; S. C., 2	6	21,177	180,104
Other States (Fla., 3 est.; S. Dak., 2; W. Va., 3)	8	12,813	158,729
<b>Laundry trays, total</b>			
California	13	47,183	161,487
Illinois	4	38,224	190,541
Ohio	5	23,709	119,944
Mich., 2 est.; Minn., 2	4	21,276	131,516
N. J., 1 est.; N. Y., 2; Pa., 3	6	34,784	173,621
Oreg., 2 est.; Wash., 1	3	10,443	43,480
Other States (Colo., 1 est.; Conn., 1; Fla., 2; Kans., 1; La., 2; Ind., 2; Mass., 2)	11	31,490	155,505
<b>Vaults, total</b>			
Alabama	4	1,038	46,310
California	12	3,926	132,900
Connecticut	9	4,832	157,164
Delaware	4	892	24,394
Georgia	4	748	34,028
Illinois	29	24,751	1,094,152
Indiana	31	8,876	261,224
Iowa	9	1,944	86,812
Kansas	3	458	26,488
Maryland	9	3,811	147,753
Massachusetts	10	5,580	174,473
Michigan	23	7,907	246,882
Missouri	11	5,894	176,436
Nebraska	5	1,253	58,152
New Jersey	7	5,943	306,640
New York	21	10,509	527,441
Ohio	42	23,753	646,518
Pennsylvania	52	19,517	653,781
Vermont	4	107	4,570
Virginia	4	1,085	46,054
Washington	5	1,192	36,028

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Quantity	Value
Vaults—Continued.		<i>Number</i>	
Wisconsin.....	10	2,399	\$86,635
Colo., 1 est.; Oreg., 1; Utah, 1.....	3	993	31,950
Ky., 2 est.; W. Va., 4.....	6	2,002	41,217
La., 1 est.; Okla., 1; Tex., 1.....	3	267	13,703
Other States (Fla., 3 est.; Me., 1; Minn., 2; Mont., 1; N. C., 2; S. Dak., 1).....	10	1,977	92,129
Paving materials, total.....	21	<i>Tons</i> 200,555	785,330
New Jersey.....	3	22,148	209,220
Ill., 1 est.; Ohio, 1; Pa., 3.....	5	28,810	147,320
Other States (Calif., 3 est.; D. C., 1; Fla., 1; Ga., 1; Iowa, 1; Miss., 1; Mo., 1; Okla., 1; Oreg., 1; Wash., 1; Wis., 1).....	13	149,597	428,790
Poles and posts, total.....	53	14,450	438,318
New York.....	7	941	15,276
Washington.....	9	1,535	25,183
Other States (Ala., 2 est.; Calif., 3; Del., 1; Fla., 1; Ga., 1; Ill., 5; Ind., 1; Iowa, 2; La., 2; Md., 1; Mass., 1; Mich., 3; Minn., 1; Mo., 1; Nebr., 1; N. J., 3; N. Dak., 1; Ohio, 2; R. I., 1; Va., 2; Wis., 2).....	37	11,974	397,859
Piling, total.....	13	18,309	214,665
Ill., 1 est.; Iowa, 1; Kans., 1; Mo., 1; Nebr., 1.....	5	5,584	63,451
Other States (Conn., 1 est.; Mass., 1; Minn., 1; N. J., 1; N. Dak., 1; Oreg., 1; Pa., 1; Wis., 1).....	8	12,725	151,214
Premixed concrete, total.....	379	<i>Cubic yards</i> 7,772,074	50,569,291
Alabama.....	6	128,239	690,899
California.....	28	445,293	2,693,792
Connecticut.....	8	156,830	1,084,123
District of Columbia.....	4	534,692	3,436,373
Florida.....	7	103,350	811,271
Georgia.....	5	42,637	317,028
Illinois.....	8	53,724	373,040
Indiana.....	14	300,120	1,938,509
Iowa.....	9	76,714	483,416
Kansas.....	6	126,165	784,390
Kentucky.....	6	145,178	915,439
Massachusetts.....	11	324,675	2,084,998
Michigan.....	12	199,911	1,068,714
Minnesota.....	7	144,632	1,038,551
Missouri.....	8	308,342	2,186,514
Nebraska.....	8	127,792	786,812
New Jersey.....	11	225,770	1,460,569
New York.....	22	1,157,820	7,281,023
Ohio.....	35	494,448	2,930,206
Oklahoma.....	13	178,214	1,173,693
Pennsylvania.....	61	830,353	6,231,005
Tennessee.....	6	114,900	860,500
Texas.....	11	226,503	1,501,892
Virginia.....	8	181,081	1,123,497
Washington.....	18	216,932	1,259,418
West Virginia.....	6	81,264	591,210
Wisconsin.....	11	170,563	1,030,670

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Quantity	Value
Premixed concrete—Continued.		<i>Cubic yards</i>	
Ark., 1 est.; La., 2; Miss., 1.....	4	88,128	\$487,934
Colo., 2 est.; N. Mex., 1.....	3	49,834	331,724
Del., 2 est.; Md., 7.....	9	306,160	1,976,291
Idaho, 1 est.; Nev., 1; Oreg., 3.....	5	88,936	542,633
N. C., 1 est.; S. C., 4.....	5	98,836	744,371
Other States (R. I., 2 est.; S. Dak., 1; Utah, 1).....	4	46,038	348,781
Septic tanks, total.....	114	<i>Number</i> 11,064	238,879
California.....	17	1,591	25,145
Florida.....	6	639	24,538
Michigan.....	14	1,182	41,628
New York.....	5	125	2,984
Ohio.....	4	110	1,960
Texas.....	7	2,086	26,186
Washington.....	17	819	14,911
Ill., 2 est.; Ind., 4; Ky., 1.....	7	718	16,065
Iowa, 2 est.; Mo., 2.....	4	365	5,765
N. J., 1 est.; Pa., 8.....	9	869	32,785
N. C., 2 est.; S. C., 1; Tenn., 2.....	5	636	15,400
Other States (Ala., 1 est.; Colo., 1; Conn., 2; Del., 1; Ga., 1; Idaho, 1; La., 2; Md., 1; Mass., 2; Oreg., 4; Va., 2; Wis., 1).....	19	1,974	31,514
Other products in which cement is a material, total.....	342		13,630,668
Alabama.....	5		90,841
California.....	49		968,087
Florida.....	14		169,192
Illinois.....	24		853,922
Indiana.....	13		153,508
Iowa.....	8		35,643
Kansas.....	6		66,642
Kentucky.....	3		5,781
Louisiana.....	5		18,871
Maryland.....	7		79,235
Michigan.....	15		1,679,588
Minnesota.....	14		40,371
Missouri.....	8		84,571
Nebraska.....	3		19,065
New Jersey.....	11		381,622
New York.....	17		362,142
Ohio.....	18		426,571
Oregon.....	4		10,764
South Dakota.....	4		5,916
Texas.....	16		89,896
Other States (Ariz., 1 est.; Colo., 3; Conn., 2; Del., 2; Ga., 5; Idaho, 3; Me., 1; Mass., 22; Miss., 1; N. C., 1; N. Dak., 1; Okla., 2; Pa., 15; R. I., 2; Tenn., 2; Utah, 1; Vt., 3; Va., 4; Wash., 17; W. Va., 2; Wis., 8).....	98		8,090,610

<sup>1</sup> Pressure pipe, garbage boxes, garden furniture, incinerators, battery wells and boxes, concrete-filled columns, cribbing, fireplaces and mantels, grease traps, meter boxes, monuments and grave markers, terazzo steps, and well curbing.

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**TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
<b>United States:</b>													
1939.....	17,363	14,390	14,494	15,823	17,279	18,309	18,852	18,963	19,158	18,560	18,077	17,664	16,782
1937.....	12,840	10,854	10,994	11,935	13,183	13,985	14,191	14,165	14,239	14,147	13,205	12,293	10,891
1929.....	16,505	13,399	13,502	14,780	16,939	17,832	18,175	18,292	18,491	18,506	17,776	16,034	14,330
Alabama.....	216	168	166	220	202	197	207	208	214	198	268	268	276
Arizona.....	34	39	41	44	35	37	30	31	29	26	35	30	28
California.....	1,099	1,206	1,164	1,162	1,156	1,117	1,051	1,009	1,015	1,044	1,075	1,084	1,108
Colorado.....	100	82	90	109	131	99	107	92	99	99	100	95	92
Connecticut.....	236	201	205	208	214	246	258	254	260	244	242	256	247
Delaware.....	107	99	97	102	110	104	113	113	115	100	113	104	111
District of Columbia.....	291	245	246	269	306	300	297	303	308	305	291	306	312
Florida.....	658	545	546	586	592	633	686	755	728	751	728	760	774
Georgia.....	289	193	214	241	250	267	290	318	323	300	306	394	377
Idaho.....	48	27	30	48	52	60	54	58	58	51	49	60	41
Illinois.....	748	635	608	704	767	799	844	830	816	808	797	707	665
Indiana.....	637	466	490	556	582	686	681	672	700	700	717	704	691
Iowa.....	335	204	202	246	311	348	420	448	408	408	399	350	274
Kansas.....	178	162	140	180	175	191	197	200	209	210	178	157	141
Kentucky.....	170	145	151	169	171	176	174	172	182	187	180	171	156
Louisiana.....	227	245	246	239	243	248	214	241	218	207	210	213	201
Maine.....	85	96	105	104	115	122	125	110	126	72	30	6	6
Maryland.....	435	300	332	381	417	464	491	484	504	493	467	451	440
Massachusetts.....	799	454	603	700	758	969	955	943	895	894	863	845	769
Michigan.....	1,001	784	750	840	939	980	1,037	1,087	1,206	1,104	1,107	1,062	1,051
Minnesota.....	573	338	338	391	500	697	754	747	764	695	600	513	445
Mississippi.....	106	98	99	103	101	110	111	106	111	114	106	110	109
Missouri.....	471	446	454	452	494	499	509	493	490	464	423	471	461
Montana.....	35	30	21	37	42	40	38	44	42	42	31	31	19
Nebraska.....	152	129	123	127	147	159	165	171	165	165	180	159	138
New Jersey.....	1,043	843	835	947	1,063	1,103	1,155	1,169	1,195	1,139	1,053	1,046	971
New York.....	1,325	1,096	1,062	1,167	1,318	1,399	1,425	1,445	1,478	1,445	1,425	1,367	1,270
North Carolina.....	227	210	210	212	218	226	255	235	236	237	228	227	232
Ohio.....	980	918	898	930	969	1,038	1,042	1,043	1,051	1,016	966	963	926
Oklahoma.....	206	217	222	228	220	204	205	193	199	199	193	183	200
Oregon.....	108	100	101	122	113	102	107	110	106	108	121	103	97
Pennsylvania.....	1,450	1,102	1,115	1,191	1,306	1,454	1,571	1,624	1,655	1,645	1,621	1,581	1,530
Rhode Island.....	91	60	50	72	88	93	94	118	126	116	98	91	82
South Carolina.....	164	166	170	178	157	152	156	159	149	156	177	179	163
South Dakota.....	27	10	5	5	16	35	39	42	46	32	39	34	23
Tennessee.....	338	261	262	303	343	364	367	382	400	375	346	342	307
Texas.....	587	553	553	623	693	675	677	653	587	536	492	515	487
Utah.....	71	54	54	70	97	87	83	59	68	65	69	71	72
Vermont.....	26	28	13	15	27	30	35	32	26	24	28	20	23
Virginia.....	498	450	439	467	537	508	522	528	515	514	521	505	472
Washington.....	392	303	363	429	490	513	505	474	390	351	328	291	267
West Virginia.....	237	198	209	224	222	244	239	240	260	244	248	242	235
Wisconsin.....	457	408	407	392	430	470	498	509	519	504	471	452	427

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	2,040
Reporting expenditures for plant and equipment.....	1,221
Value of products:	
Total for the industry.....	\$130,393,396
Reporting expenditures for plant and equipment.....	91,329,903
Expenditures for plant and equipment:	
Total for the industry.....	6,466,815
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	1,831,098
Expenditures for new machinery and operating equipment.....	3,976,772
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	568,606
Expenditures unclassified.....	90,339

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$9,537,973	\$7,107,947
Finished products.....	6,503,899	5,094,030
Materials, supplies, etc.....	3,034,074	2,013,917
End of year, total.....	10,236,471	7,915,542
Finished products.....	6,898,507	5,755,926
Materials, supplies, etc.....	3,337,964	2,159,616
Value of products for the industry, total.....	130,393,396	76,173,865
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	111,709,403	70,516,226
Value for establishments not reporting inventories.....	18,683,993	5,657,639

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments.....	2,040	2,438
Number of establishments reporting power equipment.....	2,015	2,194
Prime movers, aggregate:		
Number.....	666	561
Horsepower.....	25,291	6,719
Prime movers, driving generators, total—		
Number.....	15	1,561
Horsepower.....	582	16,719
Steam engines—		
Number.....		171
Horsepower.....		12,232

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929—Continued

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators—Continued.		
Diesel and semi-Diesel engines—		
Number.....	4	
Horsepower.....	465	1,488
Other internal-combustion engines <sup>2</sup> —		
Number.....	11	14,462
Horsepower.....	117	
Hydroturbines and water wheels—		
Number.....		12
Horsepower.....		125
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	20	
Prime movers not driving generators, total—		
Number.....	651	
Horsepower.....	24,709	
Steam engines—		
Number.....	93	
Horsepower.....	3,632	
Steam turbines—		
Number.....	1	( <sup>3</sup> )
Horsepower.....	10	
Diesel and semi-Diesel engines—		
Number.....	20	
Horsepower.....	1,412	
Other internal-combustion engines <sup>2</sup> —		
Number.....	527	
Horsepower.....	19,038	
Hydroturbines and water wheels—		
Number.....	10	
Horsepower.....	617	
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	4,935	
Generators, kilowatt rating, total.....	336	18
Generators, driven by—		
Diesel and semi-Diesel engines, kilowatt rating.....	251	( <sup>3</sup> )
Other internal-combustion engines, <sup>3</sup> kilowatt rating.....	85	
Generators, ordinarily idle (included above), kilowatt rating.....	12	( <sup>4</sup> )
Electric motors, total:		
Number.....	9,757	7,326
Horsepower.....	84,699	60,945
Driven by purchased energy—		
Number.....	9,670	7,322
Horsepower.....	83,778	60,932
Driven by energy generated in establishments reporting—		
Number.....	87	4
Horsepower.....	921	13
Electric energy (kilowatt-hours):		
Generated in plant.....	270,207	( <sup>4</sup> )
Purchased.....	34,601,475	21,008,462

<sup>1</sup> Includes data for prime movers not driving generators.<sup>2</sup> Gas, gasoline, etc.<sup>3</sup> Not called for on schedule.<sup>4</sup> Data not available.

## GYPSUM PRODUCTS

[A preliminary report for this industry was issued December 4, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of plaster, plasterboard, and other products composed wholly or chiefly of gypsum.

No detailed production figures are compiled by the

Bureau of the Census. Table 4 gives the production of gypsum products sold or used in the United States as shown in the Minerals Yearbook, published annually by the Bureau of Mines, Department of the Interior.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939, 1937, AND 1935**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horsepower of prime movers
1939.....	68	4,936	\$6,665,759	\$16,694,454	\$46,241,980	\$29,547,526	13,911
1937.....	79	5,207	6,590,983	16,681,193	42,616,511	25,935,318	(4)
1935.....	72	3,382	3,444,495	8,920,649	26,288,219	17,367,570	(9)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>4</sup> Not called for on schedule.

<sup>5</sup> No comparable data for years prior to 1935.

<sup>6</sup> Data not available.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Iowa	Michigan	New York	Texas	Utah	Wisconsin	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	68	6	5	9	9	5	4	3	27
Proprietors and firm members.....	1					1			
Persons reported by manufacturing establishments, total <sup>3</sup> .....	5,863	444	535	613	1,494	398	99	36	2,245
Salaried officers of corporations <sup>3</sup> .....	25	4	5	2			6	4	4
Manufacturing:									
Salaried employees <sup>3</sup> .....	667	54	64	71	163	41	9	10	255
Wage earners (average for the year) <sup>4</sup> .....	4,936	379	451	510	1,314	326	69	16	1,872
Distribution.....	82	2	7	15	2	28	3	6	19
Construction.....	132	5	8	15	15	3	7	6	79
Other.....	21						5		16
Salaries and wages, total <sup>5</sup> .....	\$8,540,550	\$749,338	\$761,597	\$923,475	\$2,297,179	\$511,223	\$107,228	\$36,428	\$3,154,082
Salaried officers <sup>3</sup> .....	101,040	23,280	11,240	21,500			15,800	9,420	19,800
Manufacturing:									
Salaries <sup>3</sup> .....	1,365,079	115,058	133,900	151,488	302,302	91,575	13,920	9,760	547,076
Wages.....	6,665,759	598,029	598,096	685,141	1,925,484	347,767	60,401	11,619	2,439,222
Distribution.....	173,179	3,546	11,315	39,974	3,680	68,356	8,500	5,629	32,179
Construction.....	216,833	9,425	7,046	25,372	65,713	3,525	5,409		100,343
Other.....	18,660						3,198		15,462
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	16,694,454	2,250,526	1,234,973	1,649,314	4,475,776	856,326	71,540	81,689	6,074,301
Materials, supplies, and containers.....	13,966,634	2,068,654	951,261	1,289,654	3,737,801	682,686	59,738	77,975	5,098,865
Fuel.....	1,444,346	141,151	138,642	175,692	322,686	69,222	11,235	1,330	584,388
Purchased electric energy.....	1,283,054	40,721	145,070	183,968	414,869	104,418	576	2,384	391,048
Contract work.....	420				420				
Value of products.....	46,241,980	4,566,531	4,534,370	4,922,319	11,498,503	3,226,112	285,748	190,164	17,018,233
Value added by manufacture <sup>5</sup> .....	29,547,526	2,316,005	3,299,397	3,273,005	7,022,727	2,369,786	214,199	108,475	10,943,932

<sup>1</sup> Arizona, 1 establishment; Colorado, 1; Connecticut, 1; Florida, 1; Georgia, 1; Indiana, 1; Kansas, 2; Kentucky, 1; Massachusetts, 1; Montana, 1; Nevada, 1; New Hampshire, 1; New Jersey, 2; Ohio, 5; Oklahoma, 1; Pennsylvania, 1; South Dakota, 1; Virginia, 2; Washington, 1; Wyoming, 1.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937**

No detailed production figures are compiled by the Bureau of the Census for this industry. Production figures published by the Bureau of Mines are given in table 4.

TABLE 4.—GYPSUM PRODUCTS (MADE FROM DOMESTIC, IMPORTED, AND BYPRODUCT CRUDE GYPSUM) BY QUANTITY AND VALUE, SOLD OR USED IN THE UNITED STATES, BY USES: 1939 AND 1937

[Data from annual reports of the Bureau of Mines, Department of the Interior]

	1939		1937	
	Tons (2,000 lbs.)	Value	Tons (2,000 lbs.)	Value
Uncalcined:				
Portland-cement retarder.....	774, 982	\$1, 406, 129	770, 004	\$1, 462, 469
Agricultural gypsum.....	75, 091	364, 711	74, 932	332, 248
Other uses <sup>1</sup> .....	17, 709	156, 575	15, 889	125, 989
Total uncalcined.....	867, 782	1, 927, 415	860, 825	1, 920, 706
Calcined:				
For building uses—				
Plasters—				
Base-coat.....	1, 413, 291	12, 768, 526	1, 288, 539	11, 621, 507
Sanded.....	116, 459	662, 211	129, 029	748, 553
To mixing plants.....	19, 485	119, 391	24, 532	144, 565
Gaging and molding.....	150, 175	1, 923, 109	123, 292	1, 527, 764
Prepared finishes.....	14, 136	491, 788	20, 291	568, 404
Insulating and roof-deck.....	24, 798	214, 397	24, 658	215, 419
Other <sup>2</sup> .....	14, 169	486, 710	15, 549	653, 179
Keene's cement.....	27, 191	424, 341	<sup>3</sup> 34, 260	<sup>3</sup> 530, 863
Lath <sup>4</sup> .....	850, 768	14, 598, 868	469, 970	9, 604, 372
Wallboard <sup>5</sup> .....	308, 569	8, 871, 833	241, 096	8, 349, 810
Tile <sup>6</sup> .....	174, 780	2, 066, 086	137, 006	1, 552, 248
Total for building uses.....	3, 113, 821	42, 627, 260	<sup>3</sup> 2, 517, 222	<sup>3</sup> 35, 516, 684
For industrial uses—				
To plate-glass and terra-cotta works.....	35, 777	242, 671	60, 620	466, 803
To pottery works.....	18, 121	234, 725	19, 415	254, 532
Orthopedic and dental plasters.....	9, 586	313, 930	45, 818	641, 795
Other industrial uses <sup>7</sup> .....	46, 911	582, 238		
Total for industrial uses.....	110, 395	1, 373, 564	125, 853	1, 363, 130
Total calcined.....	3, 224, 216	44, 000, 824	<sup>3</sup> 2, 643, 075	<sup>3</sup> 36, 879, 814
Grand total, value.....		45, 928, 239		<sup>3</sup> 38, 800, 520

<sup>1</sup> Includes uncalcined gypsum sold for use as filler and rock dust in paint manufacturing, and for minor purposes.

<sup>2</sup> Includes joint filler, patching and painters' plaster, and unclassified building plasters.

<sup>3</sup> Revised.

<sup>4</sup> 1939: 1,137,415 M square feet; 1937: 738,929 M square feet.

<sup>5</sup> 1939: 410,876 M square feet; 1937: 385,307 M square feet.

<sup>6</sup> 1939: 30,191 M square feet; 1937: 23,820 M square feet.

<sup>7</sup> Includes statuary, industrial casting and molding plasters, dead-burned fillers, and miscellaneous sales.

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	4, 936	4, 155	4, 209	4, 344	4, 627	4, 662	5, 136	5, 394	5, 532	5, 453	5, 401	5, 246	5, 070
1937.....	5, 207	4, 827	4, 856	5, 150	5, 355	5, 576	5, 580	5, 691	5, 611	5, 520	5, 221	4, 816	4, 286
California.....	379	358	365	372	369	387	380	377	407	388	401	376	364
Iowa.....	451	380	380	387	443	445	486	494	489	486	496	475	445
Michigan.....	510	408	403	427	467	486	524	577	568	555	565	578	557
New York.....	1, 314	1, 100	1, 111	1, 151	1, 242	1, 171	1, 362	1, 463	1, 532	1, 493	1, 428	1, 385	1, 330
Ohio.....	451	402	402	414	434	435	459	452	468	486	488	497	477
Texas.....	326	283	279	290	300	334	342	333	350	349	354	352	342
Utah.....	69	59	63	64	69	69	74	69	71	73	71	73	72
Wisconsin.....	16	18	16	16	14	16	16	16	16	17	17	17	16

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	68
Reporting expenditures for plant and equipment.....	54
Value of products:	
Total for the industry.....	\$46,241,980
Reporting expenditures for plant and equipment.....	45,034,084
Expenditures for plant and equipment:	
Total for the industry.....	5,340,182
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	2,110,213
Expenditures for new machinery and operating equipment.....	2,748,611
Expenditures for plant and equipment acquired in a "used" condition from other owners, and expenditures for land.....	481,358

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$4,348,738	\$4,262,584
Finished products.....	1,666,267	1,385,461
Materials, supplies, etc.....	2,682,471	2,877,123
End of year, total.....	4,760,585	5,020,080
Finished products.....	1,749,322	1,493,312
Materials, supplies, etc.....	3,011,263	3,526,768
Value of products for the industry, total.....	46,241,980	42,616,511
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	45,474,780	42,596,160
Value for establishments not reporting inventories.....	767,200	20,351

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	68
Number of establishments reporting power equipment.....	66
Prime movers, aggregate:	
Number.....	61
Horsepower.....	13,911
Prime movers, driving generators, total—	
Number.....	23
Horsepower.....	10,626

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>—Continued

	1939
Prime movers—Continued.	
Prime movers, driving generators—Continued.	
Steam engines—	
Number.....	6
Horsepower.....	1,865
Steam turbines—	
Number.....	4
Horsepower.....	2,440
Diesel and semi-Diesel engines—	
Number.....	10
Horsepower.....	5,686
Other internal-combustion engines <sup>2</sup> —	
Number.....	1
Horsepower.....	450
Hydroturbines and water wheels—	
Number.....	2
Horsepower.....	235
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	250
Prime movers not driving generators, total—	
Number.....	38
Horsepower.....	3,285
Steam engines—	
Number.....	16
Horsepower.....	1,811
Diesel and semi-Diesel engines—	
Number.....	6
Horsepower.....	559
Other internal-combustion engines <sup>2</sup> —	
Number.....	16
Horsepower.....	915
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	495
Generators, kilowatt rating, total.....	7,970
Generators, driven by—	
Steam engines, kilowatt rating.....	1,510
Steam turbines, kilowatt rating.....	1,695
Diesel and semi-Diesel engines, kilowatt rating.....	4,845
Other internal-combustion engines, <sup>2</sup> kilowatt rating.....	300
Hydroturbines and water wheels, kilowatt rating.....	120
Generators, ordinarily idle (included above), kilowatt rating.....	190
Electric motors, total:	
Number.....	7,205
Horsepower.....	122,065
Driven by purchased energy—	
Number.....	6,186
Horsepower.....	108,154
Driven by energy generated in establishments reporting—	
Number.....	1,019
Horsepower.....	13,911
Electric energy (kilowatt-hours):	
Generated in plant.....	18,091,184
Sold.....	119,949
Purchased.....	114,938,913

<sup>1</sup> Comparable data for 1929 not available.  
<sup>2</sup> Gas, gasoline, etc.

# MINERAL WOOL

[ A preliminary report for this industry was issued December 6, 1940 ]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of mineral wool for insulation made from such materials as rock, slag, etc. It also includes establishments making insulation from vermiculite ore.

Prior to the 1939 census this industry was a part of the industry entitled "Wallboard and plaster (except gypsum), building insulation, and floor composition." A special tabulation was made of the 1937 census reports to obtain figures comparable with those for 1939. There are no comparable figures for earlier years.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	58	1,885	\$1,820,727	\$3,534,865	\$3,237,553	\$4,702,688	1,295
1937 <sup>4</sup> .....	32	1,701	1,834,623	3,128,947	7,459,112	4,330,165	( <sup>5</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> No comparable data for years prior to 1937.  
<sup>5</sup> Not called for on schedule.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Illinois	Indiana	Michigan	New Jersey	Ohio	Texas	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	58	5	14	4	4	5	4	22
Proprietors and firm members.....	15	1						14
Persons reported by manufacturing establishments, total <sup>3</sup> .....	2,297	78	1,079	122	222	188	44	564
Salaried officers of corporations <sup>3</sup> .....	49	3	18	3	3	6	2	14
Manufacturing:								
Salaried employees <sup>3</sup> .....	215	6	109	16	19	13	4	48
Wage earners (average for the year) <sup>4</sup> .....	1,885	65	892	92	184	165	30	457
Distribution.....	87	4	24	8	8	2	8	33
Construction.....	31		36	3	8	2		12
Other.....								
Salaries and wages, total <sup>3</sup> .....	\$2,001,506	\$96,877	\$1,229,571	\$161,196	\$269,335	\$247,463	\$32,074	\$564,990
Salaried officers <sup>3</sup> .....	198,839	13,475	61,726	15,913	16,050	48,366	6,978	36,331
Manufacturing:								
Salaries <sup>3</sup> .....	383,391	11,614	177,191	28,839	34,662	32,784	3,243	95,058
Wages.....	1,820,727	66,868	922,367	81,642	192,384	161,398	14,307	381,761
Distribution.....	131,918	4,920	34,533	29,545	13,877	1,260	7,546	40,237
Construction.....	66,631		33,754	5,257	12,362	3,655		11,603
Other.....								
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	3,534,865	130,122	1,516,053	230,886	474,022	335,795	36,333	811,654
Materials, supplies, and containers.....	2,712,034	87,753	1,165,075	177,453	402,296	262,066	21,905	595,486
Fuel.....	664,867	35,423	276,387	39,967	55,703	64,052	12,100	181,235
Purchased electric energy.....	157,964	6,946	74,591	13,466	16,023	9,677	2,328	34,933
Contract work.....								
Value of products.....	3,237,553	285,430	3,886,326	490,638	964,928	660,013	81,261	1,868,957
Value added by manufacture <sup>5</sup> .....	4,702,688	155,308	2,370,273	259,752	490,906	324,218	44,928	1,057,303

<sup>1</sup> California, 1 establishment; District of Columbia, 1; Iowa, 1; Kansas, 1; Kentucky, 1; Minnesota, 2; Missouri, 4; Montana, 1; Nebraska, 1; Pennsylvania, 2; Tennessee, 2; Utah, 2; West Virginia, 1; Wisconsin, 2.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937**

	1939	1937
Mineral Wool industry, all products, total value.....	\$8,237,553	\$7,459,112
Mineral wool, value.....	8,139,490	6,653,856
Other products (not classified in this industry).....	98,063	805,256
Mineral wool, total value.....	10,794,262	8,502,159
Mineral wool made in this industry.....	8,139,490	6,653,856
Mineral wool made as secondary products in other industries.....	2,654,772	1,848,303

<sup>1</sup> Includes value of wall plaster, insulating cement, etc.

**TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937**

PRODUCT	1939	1937
Mineral wool, total value.....	\$10,794,262	\$8,502,159
Rock wool:		
Tons.....	166,161	141,262
Value.....	\$4,878,390	\$5,525,628
Slag wool:		
Tons.....	166,631	155,180
Value.....	\$5,386,593	\$2,514,854
Other, including expanded vermiculite, value.....	\$529,279	\$461,677

<sup>1</sup> Revised.

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**TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939**

KIND AND STATE	1939	
	Tons	Value
Rock wool, total.....	166,161	\$4,878,390
Indiana.....	76,612	1,774,443
Ohio.....	7,108	233,247
Texas.....	1,912	81,261
Other States (Calif., Ill., Iowa, Kans., Ky., Mich., Minn., Mo., N. J., Pa., Tenn., Wis.).....	80,529	2,789,439
Slag wool, total.....	166,631	5,386,593
Illinois.....	12,536	808,853
New Jersey.....	22,352	632,668
Ohio.....	19,510	614,637
Other States (Calif., Ind., Mo., Pa., Tenn., Utah, W. Va., Wis.).....	112,233	3,330,435
Other, including expanded vermiculite (Calif., D. C., Ill., Kans., Mich., Minn., Mo., Mont., Nebr., Ohio).....		529,279

**TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States: 1939.....	1,885	1,566	1,662	1,660	1,879	1,921	2,008	2,062	1,935	2,076	2,098	1,874	1,882
1937.....	1,701	1,710	1,762	1,696	1,733	1,743	1,797	1,918	1,732	1,686	1,616	1,593	1,431
Illinois.....	65	64	59	57	59	61	61	73	72	71	67	68	70
Indiana.....	892	806	830	884	938	940	942	973	873	989	1,012	786	732
Michigan.....	92	94	86	85	92	99	95	95	93	97	93	86	85
Missouri.....	133	68	92	91	108	138	144	151	154	160	161	164	169
New Jersey.....	184	156	160	129	154	159	195	210	197	208	212	218	213
Ohio.....	165	139	151	136	168	167	169	167	159	151	186	191	199
Texas.....	30	33	28	31	29	31	26	29	28	28	33	33	27

**TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939**

	1939
Number of establishments: Total for the industry.....	58
Reporting expenditures for plant and equipment.....	42
Value of products: Total for the industry.....	\$8,237,553
Reporting expenditures for plant and equipment.....	7,455,433
Expenditures for plant and equipment: Total for the industry.....	616,850
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	163,333
Expenditures for new machinery and operating equipment.....	371,601
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	81,916

**TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937**

	1939	1937
Inventories: Beginning of year, total.....	\$671,067	\$473,126
Finished products.....	255,525	178,094
Materials, supplies, etc.....	415,542	294,132
End of year, total.....	883,948	879,167
Finished products.....	313,277	332,556
Materials, supplies, etc.....	570,671	546,611
Value of products for the industry, total.....	8,237,553	7,459,112
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	8,201,528	7,405,816
Value for establishments not reporting inventories.....	36,025	53,296

**TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>**

	1939
Number of establishments.....	58
Number of establishments reporting power equipment.....	58
Prime movers, aggregate: Number.....	13
Horsepower.....	1,295
Prime movers, steam engines, driving generators— Number.....	5
Horsepower.....	1,050
Prime movers not driving generators, total— Number.....	8
Horsepower.....	245
Steam engines— Number.....	2
Horsepower.....	118
Steam turbines— Number.....	6
Horsepower.....	127
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	27
Generators, driven by steam engines, kilowatt rating.....	325
Electric motors, total: Number.....	1,663
Horsepower.....	7,101
Driven by purchased energy— Number.....	1,541
Horsepower.....	7,070
Driven by energy generated in establishments reporting— Number.....	122
Horsepower.....	31
Electric energy (kilowatt-hours): Generated in plant.....	2,847,000
Purchased.....	9,554,980

<sup>1</sup> Comparable data for 1929 not available.

# WALLBOARD AND WALL PLASTER (EXCEPT GYPSUM), BUILDING INSULATION (EXCEPT MINERAL WOOL), AND FLOOR COMPOSITION

[A preliminary report for this industry was issued December 12, 1940]

**Description of the industry.**—This industry embraces establishments engaged primarily in the manufacture of wall and insulating boards (other than gypsum), non-rigid thermal insulation (except mineral wool), and floor composition (except linoleum and rubber flooring). The exceptions mentioned are included, however, in other industry classifications. The manufacture of wallboard or insulating board on paper machines without further processing is included in the Paperboard industry and therefore no data for such establishments are included except in tables 3, 4, and 5.

This industry prior to 1939 included the manufacture of mineral wool. A special tabulation was made of the 1937 census reports excluding manufacturers of mineral wool in order to obtain figures comparable with those

for 1939. There are no comparable figures for earlier years.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939 AND 1937

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	124	6,227	\$6,268,111	\$14,804,368	\$35,753,840	\$20,949,472	5,839
1937 <sup>4</sup> .....	82	4,682	4,856,859	12,522,918	33,590,310	21,067,392	( <sup>5</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>4</sup> No comparable figures for years prior to 1937.

<sup>5</sup> Revised.

<sup>6</sup> Not called for on schedule.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	Michigan	Missouri	New Jersey	New York	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	124	25	14	5	8	10	17	7	38
Proprietors and firm members.....	38	17	2	1	2	-----	4	2	10
Persons reported by manufacturing establishments, total <sup>3</sup> .....	7,734	187	704	121	54	448	451	173	5,626
Salaried officers of corporations <sup>3</sup> .....	125	11	20	2	8	23	50	9	32
Manufacturing:									
Salaried employees <sup>3</sup> .....	849	25	67	5	4	50	41	12	645
Wage earners (average for the year) <sup>4</sup> .....	6,227	122	571	100	30	288	284	69	4,763
Distribution.....	435	29	41	13	12	68	69	82	121
Construction.....	77	-----	5	-----	-----	5	6	1	60
Other.....	21	-----	-----	1	-----	14	1	-----	5
Salaries and wages, total <sup>5</sup> .....	\$9,169,656	\$291,502	\$1,052,791	\$131,664	\$60,219	\$731,039	\$640,736	\$223,457	\$6,068,548
Salaried officers <sup>3</sup> .....	613,561	29,739	125,641	7,227	12,460	108,988	114,446	36,594	178,466
Manufacturing:									
Salaries <sup>3</sup> .....	1,410,947	44,615	91,431	12,336	7,003	95,424	73,122	25,960	1,061,056
Wages.....	6,268,111	161,979	713,547	91,653	28,500	365,481	323,057	53,905	4,549,959
Distribution.....	743,812	55,169	112,183	18,948	12,256	124,351	118,727	105,793	196,355
Construction.....	119,462	-----	9,989	-----	-----	19,204	9,421	1,205	79,643
Other.....	24,063	-----	-----	1,500	-----	17,591	1,963	-----	3,009
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	14,804,368	746,766	1,842,251	248,434	116,334	1,262,054	1,645,601	241,613	8,701,315
Materials, supplies, and containers.....	12,342,484	725,066	1,745,106	235,758	110,922	1,111,352	1,552,153	239,014	6,623,113
Fuel.....	1,126,819	3,963	37,653	7,369	717	103,367	12,194	575	960,981
Purchased electric energy.....	1,329,440	17,737	59,492	5,292	4,695	47,035	79,436	2,024	1,113,729
Contract work.....	5,625	-----	-----	15	-----	300	1,818	-----	3,492
Value of products.....	35,753,840	1,241,220	3,914,810	443,177	200,929	2,447,224	2,883,825	637,890	23,984,755
Value added by manufacture <sup>6</sup> .....	20,949,472	494,464	2,072,559	194,743	84,595	1,185,170	1,238,224	390,277	15,283,440

<sup>1</sup> Alabama, 1 establishment; Colorado, 2; Florida, 2; Georgia, 1; Iowa, 2; Kentucky, 2; Louisiana, 2; Maryland, 1; Massachusetts, 1; Minnesota, 3; Mississippi, 1; Nebraska, 2; North Carolina, 1; Ohio, 5; Oklahoma, 1; Texas, 3; Utah, 2; Virginia, 1; Washington, 2; West Virginia, 1; Wisconsin, 2.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Wallboard and wall plaster (except gypsum), building insulation (except mineral wool), and floor composition industry, all products, total value.....	\$35,753,840	\$33,590,310
Wallboard, wall plaster, building insulation, and floor composition, value.....	34,894,284	33,079,794
Miscellaneous products not specified, value.....	246,234	510,516
Other products (not classified in this industry), value.....	2,399,218	
Merchandising, value.....	214,104	
Wallboard and wall plaster (except gypsum), building insulation (except mineral wool), and floor composition, total value.....	43,034,488	40,668,622
Wallboard and wall plaster, building insulation, and floor composition made in this industry, value.....	34,894,284	33,079,794
Wallboard and wall plaster, building insulation, and floor composition made as secondary products in other industries, value.....	8,140,204	7,588,828

<sup>1</sup> Revised.  
<sup>2</sup> Chiefly value of mineral wool, plastic paint pigments, building paper, commercial refrigerators, and store and lunchroom fixtures.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939	1937
Total value.....	\$43,034,488	\$40,668,622
Wallboard, total value.....	\$9,866,542	\$11,821,903
Fiber board made of wood or other vegetable pulp; laminated lumber with paper liners:		
Reported in—		
Tons.....	37,483	70,844
Value.....	\$2,048,260	\$3,958,929
Reported in—		
Square feet.....	275,710,819	283,547,064
Value.....	\$4,711,160	\$7,862,974
Decorated wallboard (purchased board, painted or otherwise decorated):		
Square feet.....	18,782,444	( <sup>3</sup> )
Value.....	\$3,107,122	( <sup>3</sup> )
Insulation, total value.....	\$24,768,902	\$21,785,578
Board or rigid form of fiber composition, not less than 3/16" thick:		
Wallboard—		
Reported in—		
Tons.....	51,214	20,185
Value.....	\$3,317,532	\$1,549,977
Reported in—		
Square feet.....	719,277,179	733,969,968
Value.....	\$16,726,202	\$20,235,601
Lath—		
Square feet.....	98,204,917	( <sup>4</sup> )
Value.....	\$2,118,819	( <sup>4</sup> )
Cellular fiber composition:		
Tons.....	33,584	( <sup>4</sup> )
Value.....	\$2,606,349	( <sup>4</sup> )
Plasters, total value.....	\$1,912,791	\$1,490,206
Exterior:		
Magnesite stucco and Portland-cement stucco—		
Tons.....	10,150	20,349
Value.....	\$279,510	\$322,439

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937—Continued

PRODUCT	1939	1937
Plasters—Continued.		
Exterior—Continued.		
All other, value.....	\$359,901	
Interior:		
Coatings, finishes, acoustical, etc.—		
Tons.....	88,229	\$1,167,767
Value.....	\$1,273,380	
Floor composition, total value.....	\$883,047	\$509,441
Magnesite—		
Tons.....	8,881	5,378
Value.....	\$664,768	\$409,852
All other, value.....	\$218,279	\$99,589
Asphalt floor tile:		
Square feet.....	44,395,495	34,883,472
Value.....	\$3,633,043	\$3,313,848
Other products, value.....	\$1,970,163	\$1,747,646

<sup>1</sup> Includes an indeterminate amount of duplication due to the further processing of this board by establishments reporting "Decorated wallboard," etc.  
<sup>2</sup> Revised.  
<sup>3</sup> Not reported separately for 1937.  
<sup>4</sup> Not called for separately for 1937.  
<sup>5</sup> Figures for "Wallboard" for 1937 include those for "Cellular fiber composition."

TABLE 5.—PRINCIPAL PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939

KIND AND STATE	1939	
	Quantity	Value
Wallboard, fiber board made of wood or other vegetable pulp; laminated lumber with paper liners, reported in square feet:		
New York.....	49,977,907	\$1,176,061
Other States (Fla., Ga., Minn., Miss., N. J., Wash.).....	227,732,822	3,535,099
Plasters:		
Exterior—		
Magnesite stucco and Portland-cement stucco, total.....	10,150	279,510
California.....	6,072	163,339
New York.....	1,475	46,383
Other States (Ill., Ky., La., Mass., Mo., Nebr., N. J., Ohio, Pa., Utah).....	2,003	69,788
All other, total.....		359,901
California.....		267,551
Other States (Mass., Mo., N. Y., Pa., Tex., Utah).....		92,350
Interior—coatings, finishes, acoustical, etc., total.....	88,229	1,273,380
California.....	16,244	338,339
New York.....	2,913	94,025
Other States (Colo., Ill., Ky., La., Mass., Mich., Mo., Nebr., N. J., Ohio, Pa., Tex., Utah, W. Va., Wis.).....	69,072	820,966
Floor composition, magnesite, total.....	8,881	664,768
Illinois.....	1,630	176,717
New York.....	1,202	134,365
Other States (Calif., N. J., Ohio, Pa.).....	6,049	353,686

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	6,227	5,423	5,672	5,830	6,066	6,225	6,524	6,419	6,325	6,374	6,821	6,717	6,327
1937.....	4,682	4,556	4,964	4,715	5,003	4,932	5,090	4,863	4,760	4,467	4,429	4,241	4,164
California.....	122	136	128	123	123	130	118	116	116	115	124	120	117
Illinois.....	571	557	572	587	575	552	543	528	535	540	609	621	635
Michigan.....	100	75	92	124	122	120	101	97	90	93	95	98	99
Minnesota.....	752	630	678	723	744	747	759	765	776	820	832	845	709
Missouri.....	30	29	23	21	29	31	31	30	35	32	29	35	30
New Jersey.....	283	298	306	294	273	277	290	304	286	291	288	281	263
New York.....	284	314	326	335	338	347	352	280	246	220	213	216	216
Ohio.....	97	101	101	98	33	105	104	105	110	100	109	97	97
Pennsylvania.....	69	67	72	67	70	76	71	71	72	71	58	66	68
Texas.....	63	56	56	62	58	60	61	58	61	79	68	66	67

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	124
Reporting expenditures for plant and equipment.....	69
Value of products:	
Total for the industry.....	\$35,753,840
Reporting expenditures for plant and equipment.....	33,399,883
Expenditures for plant and equipment:	
Total for the industry.....	1,611,186
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	258,065
Expenditures for new machinery and operating equipment.....	1,042,636
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	310,485

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$5,349,091	\$3,223,820
Finished products.....	2,485,004	1,514,930
Materials, supplies, etc.....	2,864,087	1,708,890
End of year, total.....	5,958,195	4,417,837
Finished products.....	2,384,792	2,077,864
Materials, supplies, etc.....	3,573,403	2,339,973
Value of products for the industry, total.....	35,753,840	33,590,310
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	35,312,900	33,126,675
Value for establishments not reporting inventories.....	440,940	463,635

<sup>1</sup> Revised.TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939		1939
Number of establishments.....	124	Prime movers—Continued.	
Number of establishments reporting power equipment.....	123	Prime movers not driving generators—Continued.	
Prime movers, aggregate:		Steam turbines—	
Number.....	23	Number.....	12
Horsepower.....	5,839	Horsepower.....	689
Prime movers, driving generators, total—		Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—	
Number.....	7	Number.....	4
Horsepower.....	4,985	Horsepower.....	80
Steam engines—		Prime movers not driving generators, ordinarily idle (included above), horsepower.....	190
Number.....	5	Generators, kilowatt rating, total.....	3,634
Horsepower.....	1,185	Generators, driven by—	
Steam turbines—		Steam engines, kilowatt rating.....	784
Number.....	2	Steam turbines, kilowatt rating.....	2,850
Horsepower.....	3,800	Generators, ordinarily idle (included above), kilowatt rating.....	850
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	435	Electric motors, total:	
Prime movers not driving generators, total—		Number.....	5,543
Number.....	21	Horsepower.....	89,979
Horsepower.....	854	Driven by purchased energy—	
Steam engines—		Number.....	4,423
Number.....	5	Horsepower.....	69,205
Horsepower.....	85	Driven by energy generated in establishments reporting—	
		Number.....	1,120
		Horsepower.....	20,774
		Electric energy (kilowatt-hours):	
		Generated in plant.....	10,943,328
		Purchased.....	197,482,127

<sup>1</sup> Comparable data for 1929 not available.<sup>2</sup> Gas, gasoline, etc.

# LIME

[A preliminary report for this industry was issued December 17, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of lime, chiefly from limestone and to a small extent from shells and other substances. The quarrying and the burning of limestone are usually carried on by the same establishments, and for such establishments the statistics given cover both branches of the work. (Establishments engaged exclusively in the quarrying of limestone are not covered by the Census of Manufactures.)

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1904 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horse-power of prime movers
1939	269	9,458	\$9,068,627	\$13,705,840	\$30,971,171	\$23,265,331	19,672
1937	203	9,751	9,610,096	13,286,679	35,021,600	21,735,281	(9)
1935	189	7,497	6,052,109	8,940,359	23,322,071	14,351,712	(9)
1933	167	5,972	4,079,429	6,543,163	10,200,313	9,057,150	(9)
1931	203	6,706	6,012,411	8,895,504	22,199,792	13,304,288	(9)
1929	237	8,554	9,476,314	13,907,760	35,815,658	21,907,898	13,523
1927	260	10,903	12,190,918	17,269,467	41,587,458	24,317,991	16,561
1925	283	12,095	14,002,128	20,049,363	50,736,499	30,637,136	24,073
1923	301	12,290	13,522,069	19,700,191	47,243,756	27,543,565	22,825
1921	292	10,345	9,801,651	14,214,205	31,015,487	16,801,282	(9)
1919	476	11,405	10,869,196	14,296,925	33,970,463	19,673,538	23,140
1914	627	12,429	6,039,608	7,557,676	18,390,805	10,833,135	27,826
1909	853	13,897	5,950,174	6,730,906	17,951,987	11,221,081	26,174
1904 <sup>7</sup>	526	11,152	4,597,113	5,437,150	14,751,170	9,314,020	17,683

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figure for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

<sup>7</sup> No comparable data for years prior to 1904.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Alabama	Arizona	California	Connecticut	Florida	Illinois	Indiana	Maryland	Massachusetts	Missouri
Number of establishments <sup>1</sup>	269	9	4	9	3	9	13	6	8	5	12
Proprietors and firm members	109	2	9			4	8	1	7	1	3
Persons reported by manufacturing establishments, total <sup>2</sup>	10,917	512	118	303	69	244	283	242	258	250	817
Salaried officers of corporations <sup>2</sup>	184	6		8		10	2		7	2	6
Manufacturing:											
Salaried employees <sup>2</sup>	750	19	7	26	3	18	22	13	12	27	52
Wage earners (average for the year) <sup>2</sup>	9,458	475	103	250	66	209	255	225	226	218	704
Distribution	302	12		18		7	3	2	13	3	16
Construction	205		2	1			1	2			39
Other	18		6								
Salaries and wages, total <sup>2</sup>	\$11,916,480	\$401,160	\$142,944	\$430,746	\$78,033	\$170,579	\$339,854	\$228,147	\$203,139	\$300,754	\$993,408
Salaried officers <sup>2</sup>	672,438	34,609		15,154		24,600	13,000		14,858	7,350	65,709
Manufacturing:											
Salaries <sup>2</sup>	1,361,167	29,534	13,975	58,087	8,460	23,916	42,879	23,705	17,631	44,072	118,851
Wages	9,068,627	324,115	99,010	327,643	68,223	111,823	280,798	193,463	157,719	237,118	744,969
Distribution	527,470	12,902	3,169	28,024		10,240	3,035	4,333	12,931	4,320	29,795
Construction	244,634		2,161	1,838	1,350		142	6,646		7,894	33,907
Other	42,144		24,629								177
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	13,705,840	609,379	184,350	419,468	103,974	108,714	577,421	239,781	279,648	378,572	941,602
Materials, supplies, and containers	7,208,218	322,399	67,772	265,392	64,140	60,941	324,493	69,979	175,689	188,626	403,356
Fuel	5,033,194	249,885	109,746	124,794	16,140	38,137	171,700	129,882	74,097	142,251	449,811
Purchased electric energy	1,443,490	37,095	6,832	29,282	23,694	6,986	81,228	39,920	29,862	47,695	88,142
Contract work	20,938					2,650					293
Value of products	36,971,171	1,155,633	490,271	1,047,068	292,049	442,172	1,517,827	600,597	711,153	961,418	2,788,990
Value added by manufacture <sup>4</sup>	23,265,331	546,254	305,921	627,600	188,075	333,458	940,406	420,816	431,505	582,846	1,847,388

See footnotes at end of table.

## CENSUS OF MANUFACTURES: 1939

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	New York	Ohio	Pennsylvania	Tennessee	Texas	Utah	Vermont	Virginia	West Virginia	Wisconsin	Other States <sup>1</sup>
Number of establishments <sup>1</sup> .....	9	20	51	15	7	5	7	26	10	11	30
Proprietors and firm members.....	1	5	41	6	1	3	3	6	2	1	5
Persons reported by manufacturing establishments, total <sup>2</sup> .....	165	1,767	2,089	654	221	72	186	1,079	382	194	1,011
Salaried officers of corporations <sup>2</sup> .....	5	13	26	16	10	1	4	26	6	7	29
Manufacturing:											
Salaried employees <sup>2</sup> .....	20	96	171	40	16	4	14	64	29	16	81
Wage earners (average for the year) <sup>3</sup> .....	137	1,574	1,798	584	181	65	160	916	312	169	830
Distribution.....	3	47	58	11	14		8	35		2	50
Construction.....		37	24	3		2		38			21
Other.....			12								
Salaries and wages, total <sup>2</sup> .....	\$235,732	\$2,412,095	\$2,429,965	\$468,624	\$187,988	\$95,451	\$187,301	\$794,391	\$381,939	\$189,723	\$1,244,507
Salaried officers <sup>2</sup> .....	21,007	75,442	95,928	61,910	26,362	3,160	6,967	74,513	10,369	21,128	100,372
Manufacturing:											
Salaries <sup>2</sup> .....	42,946	199,258	324,396	65,177	23,980	9,335	18,611	79,770	44,042	21,740	150,802
Wages.....	168,379	1,960,336	1,849,380	321,739	120,452	79,956	154,765	581,657	290,406	144,453	852,223
Distribution.....	3,400	116,658	114,047	17,251	17,194		6,540	37,070		2,402	104,149
Construction.....		60,401	28,876	2,537		3,000	418	21,381	37,122		36,961
Other.....			17,388								
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	373,489	2,729,730	2,152,754	353,224	221,305	155,178	260,484	1,021,233	918,829	268,575	1,408,130
Materials, supplies, and containers.....	213,880	1,467,121	947,682	158,881	143,079	103,149	95,627	679,001	518,863	115,582	822,566
Fuel.....	86,050	965,352	846,372	163,942	64,615	44,402	135,087	249,967	333,400	130,619	506,945
Purchased electric energy.....	72,709	290,089	355,474	30,401	13,611	7,627	28,294	92,265	66,566	19,002	76,716
Contract work.....	850	7,168	3,226				1,476			3,372	1,903
Value of products.....	853,343	8,663,450	6,909,138	1,986,567	530,614	304,131	609,766	2,162,657	1,751,737	620,678	3,411,912
Value added by manufacture <sup>4</sup> .....	479,854	5,933,720	4,756,384	733,343	309,309	148,953	349,282	1,141,424	832,908	352,103	2,003,782

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>5</sup> Arkansas, 2 establishments; Colorado, 1; Georgia, 1; Idaho, 1; Kansas, 1; Kentucky, 1; Maine, 1; Michigan, 4; Minnesota, 2; Montana, 2; Nevada, 2; New Jersey, 3; Oklahoma, 1; Rhode Island, 1; South Carolina, 1; South Dakota, 1; Washington, 5.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939, 1937, AND 1929

	1939	1937	1929
Lime industry, all products, total value.....	\$36,971,171	\$35,021,960	\$35,815,658
Lime made in this industry.....	27,406,694	25,500,417	29,095,064
Miscellaneous products not specified.....	4,316,187		
Other products (not classified in this industry).....	5,248,310	9,221,543	6,720,594
Lime, total value.....	28,718,970	26,739,911	29,627,681
Lime made in this industry.....	27,406,694	25,500,417	29,095,064
Lime made as secondary products in other industries.....	1,312,276	939,494	\$532,617

<sup>1</sup> Includes in order of value, crushed stone, dead-burned dolomite, masonry mortar, rock wool, paving material, and concrete products.<sup>2</sup> Includes ground limestone valued at \$1,220,630.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939, 1937, and 1929

	1939	1937	1929
Lime, all kinds:			
Total tons.....	14,518,770	3,659,648	4,011,686
Total value.....	\$28,718,970	\$26,739,911	\$29,627,681
Quicklime:			
Tons.....	2,281,528	2,143,517	1,948,812
Value.....	\$14,995,144	\$14,847,633	\$15,709,849
Hydrated lime:			
Tons.....	1,251,144	1,119,437	1,307,192
Value.....	\$10,267,459	\$9,698,984	\$11,383,781
Agricultural lime:			
Tons.....	1,986,098	396,694	755,682
Value.....	\$3,456,367	\$2,193,294	\$2,482,238
Not distributed by kind, value.....			\$51,813

<sup>1</sup> Includes 634,165 tons of ground limestone valued at \$1,220,630.

TABLE 5.—PRINCIPAL PRODUCTS, BY NUMBER OF ESTABLISHMENTS, KIND, QUANTITY, AND VALUE, BY STATES: 1939

KIND AND STATE	Number of establishments	Quantity	Value	KIND AND STATE	Number of establishments	Quantity	Value
Quicklime, total.....	177	2,281,528	\$14,995,144	Hydrated lime, total.....	153	1,251,144	\$10,267,459
Alabama.....	8	165,200	892,157	Alabama.....	8	29,795	237,732
Arizona.....	4	55,461	410,859	California.....	8	19,144	225,244
California.....	8	51,851	549,606	Florida.....	5	12,175	122,592
Florida.....	3	10,477	95,922	Indiana.....	5	31,605	216,916
Indiana.....	5	62,696	337,315	Maryland.....	4	20,142	148,379
Massachusetts.....	4	44,921	438,249	Michigan.....	3	9,721	76,522
Missouri.....	9	335,908	1,783,392	Missouri.....	9	24,126	856,173
Ohio.....	16	249,285	1,619,725	New York.....	3	11,331	93,806
Pennsylvania.....	22	422,957	3,000,088	Ohio.....	15	461,964	4,182,583
Tennessee.....	11	122,806	600,131	Pennsylvania.....	21	144,506	1,111,941
Texas.....	8	32,823	275,664	Tennessee.....	8	41,417	302,924
Vermont.....	5	44,861	342,294	Texas.....	6	24,126	258,990
Virginia.....	15	84,296	478,096	Virginia.....	16	81,284	684,182
Wisconsin.....	10	55,665	444,187	Ark., 2 est.; Okla., 1; Ky., 1.....	3	12,965	103,455
Ark., 2 est.; Okla., 1; Ky., 1.....	4	31,219	201,903	Conn., 1 est.; Mass., 4.....	5	28,904	244,008
Colo., 1 est.; Nev., 1; Utah, 4.....	6	54,458	375,169	Ill., 4 est.; Wis., 6.....	10	36,701	309,147
Ill., 5 est.; Mich., 4.....	9	122,225	836,210	Me., 2 est.; Vt., 2.....	4	15,865	118,620
Md., 4 est.; W. Va., 8.....	12	205,351	1,094,211	Nev., 2 est.; Utah, 2.....	4	36,144	254,804
Minn., 2 est.; Mont., 3; S. Dak., 1.....	6	36,215	271,223	Other States (Ariz., 1 est.; Colo., 1; Ga., 1; Minn., 2; Mont., 1; N. J., 2; R. I., 1; Wash., 2; W. Va., 5).....	16	96,395	719,432
Other States (Conn., 1 est.; Ga., 1; Me., 2; N. J., 1; N. Y., 2; R. I., 1; Wash., 4).....	12	92,853	948,743				

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	9,458	8,204	8,361	8,903	9,439	9,813	9,704	9,578	9,743	10,038	10,148	10,031	9,537
1937.....	9,751	8,838	9,203	9,752	10,303	10,575	10,476	10,132	10,362	10,187	9,812	9,001	8,371
1929.....	8,554	7,938	7,994	8,744	9,177	9,237	9,010	9,025	8,920	8,720	8,452	8,039	7,394
Alabama.....	475	448	451	464	496	499	492	491	493	491	435	474	469
Arizona.....	103	118	112	91	111	92	89	91	91	97	98	103	144
California.....	250	151	154	152	160	195	275	304	360	370	366	326	188
Connecticut.....	66	47	47	49	69	94	59	56	82	81	71	65	66
Florida.....	209	200	213	188	174	182	194	235	217	190	221	259	239
Illinois.....	255	243	242	246	250	253	220	243	257	293	273	272	271
Indiana.....	225	215	210	221	228	230	222	222	231	238	233	227	228
Maryland.....	226	184	170	199	256	201	262	245	246	246	233	207	204
Massachusetts.....	218	128	156	220	264	315	263	232	210	212	231	220	162
Michigan.....	50	43	45	45	52	56	60	48	44	54	51	54	45
Missouri.....	704	649	644	688	667	684	701	714	709	698	720	792	783
New Jersey.....	71	69	53	76	76	79	73	73	72	72	71	71	70
New York.....	137	112	99	128	132	147	133	129	132	130	181	167	157
Ohio.....	1,574	1,389	1,424	1,425	1,516	1,551	1,555	1,619	1,693	1,690	1,691	1,685	1,650
Pennsylvania.....	1,798	1,553	1,577	1,710	1,799	1,918	1,831	1,773	1,821	1,890	1,927	1,941	1,833
Tennessee.....	584	571	553	577	566	570	582	579	545	549	682	645	595
Texas.....	181	159	172	170	188	188	186	184	199	187	176	182	184
Utah.....	65	55	56	70	66	57	59	53	54	77	80	86	69
Vermont.....	160	106	101	132	169	206	235	176	162	167	161	158	153
Virginia.....	916	797	812	908	1,011	1,009	947	895	904	889	993	930	892
Washington.....	151	121	152	154	146	147	146	125	126	163	165	166	167
West Virginia.....	312	278	297	323	333	309	331	327	317	314	326	304	279
Wisconsin.....	169	137	138	163	171	172	176	182	181	187	182	171	164

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	269
Reporting expenditures for plant and equipment.....	186
Value of products:	
Total for the industry.....	\$36,971,171
Reporting expenditures for plant and equipment.....	32,232,437
Expenditures for plant and equipment:	
Total for the industry.....	1,940,145
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	711,554
Expenditures for new machinery and operating equipment.....	1,015,093
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	199,912
Expenditures unclassified.....	13,586

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$3,363,934	\$2,953,819
Finished products.....	1,166,260	888,517
Materials, supplies, etc.....	2,197,674	2,065,302
End of year, total.....	3,791,800	3,522,147
Finished products.....	1,188,188	1,037,016
Materials, supplies, etc.....	2,603,612	2,485,131
Value of products for the industry, total.....	36,971,171	35,021,960
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	34,541,488	34,235,969
Value for establishments not reporting inventories.....	2,429,683	785,991

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments.....	269	237
Number of establishments reporting power equipment.....	264	218
Prime movers, aggregate:		
Number.....	319	241
Horsepower.....	19,672	13,523
Prime movers, driving generators, total—		
Number.....	30	1 241
Horsepower.....	6,592	1 13,523
Steam engines—		
Number.....	6	1 115
Horsepower.....	1,282	1 6,829

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929—Continued

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators—Continued.		
Steam turbines—		
Number.....		1 5
Horsepower.....		1 1,250
Diesel and semi-Diesel engines—		
Number.....	17	
Horsepower.....	4,315	1 119
Other internal-combustion engines <sup>2</sup> —		
Number.....	6	14,919
Horsepower.....	325	
Hydroturbines and water wheels—		
Number.....	1	1 2
Horsepower.....	670	1 525
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	715	
Prime movers not driving generators, total—		
Number.....	289	
Horsepower.....	13,080	
Steam engines—		
Number.....	71	
Horsepower.....	3,561	
Steam turbines—		
Number.....	3	( <sup>3</sup> )
Horsepower.....	75	
Diesel and semi-Diesel engines—		
Number.....	30	
Horsepower.....	2,006	
Other internal-combustion engines <sup>2</sup> —		
Number.....	183	
Horsepower.....	7,213	
Hydroturbines and water wheels—		
Number.....	2	
Horsepower.....	225	
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	788	
Generators, kilowatt rating, total.....	4,478	3,317
Generators, driven by—		
Steam engines, kilowatt rating.....	874	
Diesel and semi-Diesel engines, kilowatt rating.....	2,909	( <sup>3</sup> )
Other internal-combustion engines, <sup>2</sup> kilowatt rating.....	195	
Hydroturbines and water wheels, kilowatt rating.....	500	
Generators, ordinarily idle (included above), kilowatt rating.....	545	( <sup>4</sup> )
Electric motors, total:		
Number.....	6,202	4,038
Horsepower.....	123,291	80,503
Driven by purchased energy—		
Number.....	5,834	3,832
Horsepower.....	117,549	76,753
Driven by energy generated in establishments reporting—		
Number.....	368	206
Horsepower.....	5,742	3,750
Electric energy (kilowatt-hours):		
Generated in plant.....	9,004,875	( <sup>4</sup> )
Purchased.....	97,824,648	62,574,070

<sup>1</sup> Includes data for prime movers not driving generators.

<sup>2</sup> Gas, gasoline, etc.

<sup>3</sup> Not called for on schedule.

<sup>4</sup> Data not available.

## MONUMENTS, TOMBSTONES, CUT-STONE, AND STONE PRODUCTS NOT ELSEWHERE CLASSIFIED

[A preliminary report for this industry was issued December 30, 1940]

**Description of the industry.**—This industry embraces establishments engaged primarily in cutting, shaping, and finishing marble, granite, and other stone for building and miscellaneous uses, such as monuments and tombstones, stone furniture, and slate blackboards, etc., usually quarried by the same establishments engaged in cutting the stone to dimension. Establishments buying and selling finished or partly finished monuments and tombstones, but doing no work on the stone other than lettering and finishing to custom order are not considered a part of the manufacturing industries. The cutting of grindstones, pulpstones, and whetstones in the quarry is not included in the manufacturing industries.

**Inclusion of data for quarrying.**—The quarrying and the finishing of stone are carried on to some extent by the same establishments. In such cases the returns cover both quarrying and manufacturing operations. As the returns that covered quarrying activities included data for number and compensation of wage earners employed in the quarries, and as the establishments making these returns reported only the cost of materials used in the quarries, the industry figures overstate somewhat the number and compensation of the wage earners employed in *manufacturing* and understate somewhat the cost of materials used in *manufacturing*, i. e., the cost of the rough stone delivered at the finishing plants, while the "Value added by manufacture" is correspondingly overstated.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1904 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1939	1,244	18,516	\$21,999,696	\$25,286,612	\$75,811,785	\$50,525,173	41,156
1937	1,403	20,816	24,881,321	27,349,256	79,006,196	51,656,940	( <sup>5</sup> )
1935	1,404	15,224	16,192,407	18,755,798	56,477,701	37,721,903	( <sup>5</sup> )
1933	1,129	16,541	16,759,965	17,776,609	55,040,674	37,264,065	( <sup>5</sup> )
1931	1,588	27,700	41,650,574	34,405,109	119,395,105	84,989,996	( <sup>5</sup> )
1929	1,881	37,817	63,040,864	57,637,838	192,163,916	134,526,078	55,267
1927	1,978	40,474	68,490,655	66,328,248	201,181,281	134,853,033	61,532
1925	2,356	36,575	59,592,678	66,976,305	193,046,836	126,070,531	64,065
1923	2,691	40,056	61,599,519	66,882,788	191,537,444	124,654,656	77,071
1921	2,925	30,260	44,135,464	53,067,050	137,241,121	84,174,071	( <sup>5</sup> )
1919	4,240	32,768	38,354,822	49,524,341	129,164,653	79,640,312	75,149
1914	4,901	54,891	37,950,517	37,802,335	107,054,593	69,252,258	139,118
1909	4,964	65,603	42,546,384	37,397,134	113,092,967	75,695,833	155,624
1904 <sup>7</sup>	2,608	51,110	31,899,300	26,565,526	84,343,934	58,275,408	96,049

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Date not available.

<sup>7</sup> No comparable data for 1899.

## CENSUS OF MANUFACTURES: 1939

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Alabama	California	Colorado	Connecticut	Florida	Georgia	Illinois	Indiana	Iowa
Number of establishments <sup>1</sup> .....	1,244	13	46	10	13	8	44	51	51	7
Proprietors and firm members.....	974	9	48	6	14	2	33	29	16	8
Persons reported by manufacturing establishments, total <sup>2</sup> .....	22,827	414	460	101	240	87	1,821	522	2,200	65
Salaried officers of corporations <sup>2</sup> .....	910	9	24	5	13	9	54	48	56	3
Manufacturing:										
Salaried employees <sup>2</sup> .....	1,816	43	27	11	16	9	118	58	163	9
Wage earners (average for the year) <sup>3</sup> .....	18,516	348	348	79	174	62	1,530	364	1,936	43
Distribution.....	1,474	14	61	6	36	6	118	49	43	10
Construction.....	55					1				
Other.....	56				1			3	2	
Salaries and wages, total <sup>2</sup> .....	\$20,893,711	\$463,872	\$703,436	\$118,305	\$338,483	\$87,067	\$2,063,402	\$774,471	\$3,207,437	\$77,846
Salaried officers <sup>2</sup> .....	2,701,488	33,865	68,751	9,798	40,760	19,480	204,211	114,981	206,133	8,228
Manufacturing:										
Salaries <sup>2</sup> .....	2,922,537	63,094	45,348	15,476	26,204	12,960	172,598	98,411	342,003	11,469
Wages.....	21,999,696	340,294	489,043	85,149	228,636	47,858	1,500,697	464,464	2,561,432	46,036
Distribution.....	2,134,597	26,049	99,694	7,972	42,285	4,749	184,789	92,407	67,813	12,123
Construction.....	60,830					2,000	1,078	782		
Other.....	55,063				598		29	3,426	56	
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	25,286,612	339,655	540,964	83,042	286,976	61,650	1,201,833	865,340	2,210,423	87,321
Materials and supplies.....	21,733,201	282,567	490,099	75,641	262,135	53,793	947,287	781,002	1,872,690	72,232
Fuel.....	547,380	2,003	2,942	1,654	11,484	128	19,122	6,927	20,388	860
Purchased electric energy.....	2,292,889	46,530	36,738	5,747	13,357	7,729	147,651	66,311	290,066	7,934
Contract work.....	773,642	7,955	11,185				87,773	11,100	27,279	6,265
Value of products.....	75,811,785	1,097,104	1,778,924	309,382	721,155	180,271	4,427,412	2,130,926	7,838,825	237,661
Value added by manufacture <sup>4</sup> .....	50,525,173	757,449	1,237,960	226,340	434,179	118,621	3,225,579	1,265,586	5,628,402	150,370

  

ITEM	Kansas	Kentucky	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota	Mississippi	Missouri
Number of establishments <sup>1</sup> .....	9	12	9	17	34	98	21	47	6	28
Proprietors and firm members.....	9	8	9	11	29	60	6	38	6	20
Persons reported by manufacturing establishments, total <sup>2</sup> .....	101	131	90	504	231	1,083	292	1,384	97	543
Salaried officers of corporations <sup>2</sup> .....	3	12	6	6	20	72	26	46		23
Manufacturing:										
Salaried employees <sup>2</sup> .....	10	14	8	33	28	114	30	105	7	35
Wage earners (average for the year) <sup>3</sup> .....	70	89	62	458	170	846	188	1,056	74	437
Distribution.....	16	16	14	7	13	47	48	151	16	48
Construction.....						3		19		
Other.....	2					1		7		
Salaries and wages, total <sup>2</sup> .....	\$128,167	\$180,254	\$105,544	\$594,408	\$298,679	\$1,595,987	\$493,578	\$1,813,543	\$92,613	\$637,094
Salaried officers <sup>2</sup> .....	10,708	34,798	20,820	29,950	60,402	209,840	85,779	164,594		57,681
Manufacturing:										
Salaries <sup>2</sup> .....	10,705	21,752	8,020	56,451	52,683	177,834	51,497	184,776	10,508	51,398
Wages.....	88,746	109,455	59,505	496,739	169,846	1,124,136	275,134	1,223,637	60,195	471,642
Distribution.....	16,208	14,249	17,199	11,268	15,748	81,613	81,168	205,049	21,910	56,373
Construction.....						2,221		26,058		
Other.....	1,800					343		9,429		
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	132,837	167,478	133,481	230,846	347,221	1,069,625	508,114	1,608,585	138,189	503,179
Materials and supplies.....	121,934	152,884	125,440	173,083	318,279	857,754	467,549	1,328,039	130,045	430,258
Fuel.....	1,613	2,078	1,446	28,136	2,688	53,552	5,655	29,103	488	7,706
Purchased electric energy.....	9,290	12,395	6,595	29,627	26,254	99,982	26,293	232,875	7,656	47,300
Contract work.....		121				58,357	8,617	18,568		17,915
Value of products.....	368,908	451,728	348,875	1,211,722	929,771	3,580,699	1,325,919	4,966,007	364,964	1,565,244
Value added by manufacture <sup>4</sup> .....	236,071	284,250	215,394	980,876	582,550	2,511,074	817,805	3,357,422	226,775	1,062,065

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	Montana	Nebraska	New Hampshire	New Jersey	New York	North Carolina	Ohio	Oklahoma	Oregon	Pennsylvania
Number of establishments <sup>1</sup> .....	6	5	7	23	150	23	44	8	9	113
Proprietors and firm members.....	2	3	8	8	81	15	20	7	10	110
Persons reported by manufacturing establishments, total <sup>2</sup> .....	39	79	153	221	1,587	610	705	92	72	1,930
Salaried officers of corporations <sup>2</sup> .....	5	7	8	26	146	18	46	3	2	69
Manufacturing:										
Salaried employees <sup>2</sup> .....	5	8	12	27	121	41	55	9	8	129
Wage earners (average for the year) <sup>3</sup> .....	22	56	132	147	1,116	500	632	77	44	1,614
Distribution.....	6	8	1	18	187	49	58	3	18	116
Construction.....	1				3		2			2
Other.....				3	14		2			
Salaries and wages, total <sup>2</sup> .....	\$44,907	\$105,117	\$216,768	\$352,225	\$2,765,107	\$612,992	\$1,024,103	\$99,717	\$95,188	\$2,330,655
Salaried officers <sup>2</sup> .....	11,474	19,674	17,117	62,427	415,594	55,926	125,299	7,351	9,600	167,738
Manufacturing:										
Salaries <sup>2</sup> .....	4,595	10,546	24,560	45,516	204,811	60,816	91,400	12,565	10,000	195,548
Wages.....	23,824	61,127	169,591	205,841	1,822,702	457,655	717,752	77,894	56,566	1,809,042
Distribution.....	4,907	13,770	5,500	36,859	302,140	34,995	84,098	1,907	18,996	155,087
Construction.....					2,664	3,600	2,554			3,240
Other.....				1,582	17,196		3,000		26	
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	15,330	106,027	71,844	487,431	3,372,562	448,282	944,239	106,095	89,464	1,573,815
Materials and supplies.....	12,444	96,363	41,872	406,781	3,015,487	386,249	844,718	97,306	82,417	1,351,623
Fuel.....	766	1,600	6,973	3,752	23,073	8,498	34,393	2,265	1,187	60,101
Purchased electric energy.....	2,090	8,064	18,172	23,715	194,119	45,990	58,763	6,524	5,800	148,743
Contract work.....			4,827	53,183	139,883	7,545	6,365			13,348
Value of products.....	85,590	320,653	420,969	1,065,871	8,450,536	1,501,824	2,704,453	278,884	270,917	4,998,023
Value added by manufacture <sup>4</sup> .....	70,260	214,626	349,125	578,440	5,077,974	1,053,542	1,760,214	172,789	181,453	3,424,208

  

ITEM	Rhode Island	South Carolina	Tennessee	Texas	Utah	Vermont	Virginia	Washington	Wisconsin	Other States <sup>5</sup>
Number of establishments <sup>1</sup> .....	10	11	22	65		148	17	8	29	13
Proprietors and firm members.....	8	15	18	78		182	14	2	19	8
Persons reported by manufacturing establishments, total <sup>2</sup> .....	132	157	1,464	605	11	3,203	616	122	393	175
Salaried officers of corporations <sup>2</sup> .....	12	6	17	8		41	14	7	23	17
Manufacturing:										
Salaried employees <sup>2</sup> .....	15	13	103	32	2	303	46	4	39	6
Wage earners (average for the year) <sup>3</sup> .....	94	120	1,276	510	8	2,763	541	94	310	121
Distribution.....	11	18	62	51	1	80	14	17	21	16
Construction.....			6			15				
Other.....				4		1	1			15
Salaries and wages, total <sup>2</sup> .....	\$200,572	\$166,170	\$1,420,613	\$688,143	\$15,740	\$4,444,872	\$582,501	\$187,307	\$530,920	\$235,768
Salaried officers <sup>2</sup> .....	26,945	24,096	71,170	18,114		97,369	57,560	17,975	71,505	43,775
Manufacturing:										
Salaries <sup>2</sup> .....	20,310	24,448	147,034	65,948	5,400	451,504	56,428	7,621	60,548	9,772
Wages.....	133,614	109,271	1,083,084	544,697	9,540	3,740,763	440,085	139,546	369,049	154,409
Distribution.....	19,703	8,355	111,045	57,820	800	126,610	27,563	22,225	29,818	13,133
Construction.....			8,280			27,846				
Other.....				1,264		780	865			14,609
Cost of materials, supplies, fuel, purchased electric energy, and contract work, total.....	134,937	152,428	1,453,447	638,723	25,779	4,138,525	278,683	140,838	448,460	142,944
Materials and supplies.....	113,437	130,645	1,273,405	555,110	19,252	3,499,201	217,926	129,725	387,242	120,287
Fuel.....	1,199	1,444	71,873	13,214	246	77,762	20,375	1,772	14,037	4,217
Purchased electric energy.....	19,286	11,339	101,627	50,695	6,281	301,450	40,382	9,341	42,608	17,030
Contract work.....	1,015		6,542	19,704		260,112			4,573	1,410
Value of products.....	393,117	435,754	4,229,081	2,147,958	47,214	11,054,897	1,170,353	499,973	1,356,978	543,213
Value added by manufacture <sup>4</sup> .....	258,180	283,326	2,775,634	1,509,235	21,435	6,916,372	891,070	359,135	908,518	400,269

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Arkansas, 4 establishments; Delaware, 1; District of Columbia, 2; Idaho, 1; North Dakota, 1; South Dakota, 2; West Virginia, 2.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939, 1937, AND 1929

	1939	1937	1929
Monuments, Tombstones, Cut-Stone, and Stone Products Not Elsewhere Classified industry, all products, total value.....	\$75,811,785	\$79,006,196	\$192,163,916
Marble, granite, slate, and other stone products made in this industry.....	74,601,088	77,628,985	190,444,408
Merchandise bought and resold.....	199,697	( <sup>1</sup> )	( <sup>1</sup> )
Receipts for contract and repair work.....	549,060	534,885	878,627
Miscellaneous products not specified.....	188,186	842,326	840,881
Other products (not classified in this industry).....	2,273,754		
Marble, granite, slate, and other stone products, total value.....	74,678,013	77,694,731	190,622,554
Marble, granite, slate, and other stone products made in this industry.....	74,601,088	77,628,985	190,444,408
Marble, granite, slate, and other stone products made as secondary products in other industries.....	76,925	65,746	178,146

<sup>1</sup> No data.  
<sup>2</sup> Includes, in order of value, crushed granite, concrete burial vaults and other concrete products, and aluminum frames for slate products.

TABLE 4.—PRODUCTS, BY KIND AND VALUE, FOR THE UNITED STATES: 1939, 1937, AND 1929

PRODUCT	1939	1937	1929
Total value.....	\$74,678,013	\$77,694,731	\$190,622,554
Building stone, total.....	34,911,025	28,156,582	115,417,806
Marble, total.....	10,751,742	9,873,955	41,524,569
For exterior use.....	3,005,250	1,987,076	6,217,315
For interior use.....	7,746,492	7,886,879	35,307,244
Granite, for exterior use.....	4,205,891	4,300,851	11,422,148
Limestone, total.....	14,043,472	9,845,389	51,301,968
For exterior use.....	13,542,830	9,413,970	50,447,014
For interior use.....	500,642	431,419	854,954
Slate, total.....	2,903,241	2,872,364	6,691,540
For roofing.....	2,479,470	2,157,354	5,207,711
Structural and sanitary.....	423,771	415,010	1,483,829
Other building stone (sandstone, bluestone, soapstone, etc.), total.....	3,006,679	1,564,023	4,477,591
For exterior use.....	2,730,531	1,252,241	3,148,522
For interior use.....	276,148	311,782	1,329,069
Monumental stones (monuments, tombstones, and other stone articles for cemetery use), total.....	32,806,133	41,297,993	60,173,889
Marble.....	3,879,849	5,476,838	9,825,606
Granite.....	28,887,725	35,720,549	49,634,342
Limestone.....	15,103	56,562	713,941
Other monumental stones.....	23,456	44,044	
Stones for ornamental and miscellaneous uses, total.....	6,960,855	8,240,156	13,199,387
Marble, total.....	1,076,532	980,268	1,684,359
Statuary and pedestals.....	47,321	28,166	( <sup>1</sup> )
Table tops.....	132,176	162,821	493,247
Church furniture, altars, etc.....	166,484	49,680	( <sup>2</sup> )
Terrazzo chips.....	129,114	181,579	( <sup>2</sup> )
Other.....	611,437	508,022	1,191,112
Granite, total.....	1,745,141	2,517,339	5,835,617
Paving blocks.....	226,639	829,971	2,641,241
Curbing.....	685,777	868,593	1,547,165
Rubble.....	65,450	84,583	( <sup>3</sup> )
Riprap.....	96,414	734,192	( <sup>3</sup> )
Other.....	670,861		
Slate, total.....	1,307,460	1,174,300	3,345,761
Blackboards and bulletin boards.....	759,997	577,869	( <sup>3</sup> )
School slates.....	64,634	53,731	( <sup>3</sup> )
Flagstones, walkways, etc.....	130,532	138,453	( <sup>3</sup> )
Switchboard panels and other electrical insulation.....	269,595	404,247	1,099,631
Other.....	82,702		
Limestone.....	186,713	123,007	2,246,130
Other stones (sandstone, bluestone, onyx, etc.), total.....	2,645,009	3,495,242	2,050,610
Curbing, flagging, and paving blocks.....	801,688	524,121	2,050,610
Other uses.....	1,843,321	2,971,121	
Stone not reported in detail.....			1,831,472

<sup>1</sup> Included in "Other" for "Marble." <sup>2</sup> No data. <sup>3</sup> Included in "Other" for "Slate."

TABLE 5.—PRODUCTS, BY KIND AND VALUE, BY STATES: 1939

KIND AND STATE	Number of establishments	Value
<b>BUILDING STONE</b>		
<b>MARBLE</b>		
For exterior use, total.....	71	\$3,005,250
Alabama.....	3	\$ 6,980
California.....	8	136,643
New York.....	13	221,600
Ohio.....	4	14,800
Pennsylvania.....	7	28,626
Tennessee.....	3	1,192,015
Conn., 2 est.; Mass., 2.....	4	6,880
Ill., 2 est.; Ind., 1.....	3	4,373
Other States (Colo., 2 est.; Fla., 1; Ga., 1; Maine, 1; Md., 2; Mich., 1; Mo., 4; N. J., 4; N. C., 1; Oreg., 1; Vt., 2; Va., 1; Wash., 3; W. Va., 1; Wis., 1).....	26	1,393,333
For interior use, total.....	139	7,746,492
California.....	16	521,318
Illinois.....	11	387,704
Massachusetts.....	4	103,520
Michigan.....	4	241,040
Minnesota.....	4	222,153
Missouri.....	11	754,707
New Jersey.....	5	36,020
New York.....	32	1,038,418
Ohio.....	6	177,372
Pennsylvania.....	6	144,925
Tennessee.....	5	1,791,337
Ala., 3 est.; Fla., 2; Ga., 1; N. C., 2.....	8	541,915
Md., 2 est.; Va., 2.....	4	144,450
Okla., 2 est.; Tex., 3.....	5	326,738
Other States (Colo., 2 est.; Conn., 1; Del., 1; Ind., 1; Iowa, 1; Ky., 1; Nebr., 1; Oreg., 2; Vt., 2; Wash., 3; Wis., 3).....	18	1,314,875
<b>GRANITE</b>		
For exterior use, total.....	92	4,205,891
California.....	5	132,846
Connecticut.....	7	83,680
Minnesota.....	5	887,204
New York.....	13	681,023
Pennsylvania.....	4	25,990
Rhode Island.....	3	115,781
Texas.....	4	65,485
Del., 1 est.; D. C., 1; Md., 2.....	4	27,201
Ga., 3 est.; N. C., 4.....	7	347,679
Ill., 1 est.; Mo., 2.....	3	18,335
Ind., 1 est.; Mich., 2.....	3	4,499
Maine, 4 est.; N. H., 4.....	8	851,066
Mass., 11 est.; Vt., 4.....	15	868,591
Oreg., 1 est.; Wash., 2.....	3	18,074
Other States (Colo., 2 est.; La., 1; Mont., 1; N. J., 2; Ohio, 1; Wis., 1).....	8	78,437
<b>LIMESTONE</b>		
For exterior use, total.....	184	13,542,830
Alabama.....	4	226,170
California.....	3	22,463
Connecticut.....	3	196,945
Illinois.....	17	781,429
Indiana.....	37	7,339,089
Kansas.....	5	133,532
Kentucky.....	5	178,789
Maryland.....	3	152,633
Michigan.....	7	654,076
Minnesota.....	6	365,984
Missouri.....	8	158,489
New Jersey.....	6	166,899
New York.....	23	917,456
Ohio.....	8	236,267
Pennsylvania.....	10	146,980
Wisconsin.....	9	297,657
Ark., 2 est.; La., 1; Okla., 1; Tex., 8.....	12	1,019,862
Iowa, 3 est.; Nebr., 3.....	6	190,280
N. C., 1 est.; Tenn., 3.....	4	177,456
Other States (Colo., 2 est.; Del., 1; D. C., 2; Mass., 2; W. Va., 1).....	8	180,374
For interior use, total.....	18	500,642
Ill., 1 est.; Iowa, 1; Mo., 1.....	3	18,380
Minn., 3 est.; Wis., 2.....	5	25,460
Other States (Ala., 2 est.; Ind., 1; Ky., 1; Mass., 1; N. Y., 1; Pa., 2; Vt., 1; Va., 1).....	10	456,802
<b>SLATE</b>		
For roofing, total.....	58	2,479,470
Pennsylvania.....	24	1,485,131
Vermont.....	26	815,451

TABLE 5.—PRODUCTS, BY KIND AND VALUE, BY STATES:  
1939—Continued

KIND AND STATE	Number of establishments	Value
<b>BUILDING STONE—Continued</b>		
<b>SLATE—continued</b>		
Other States (Maine, 3 est.; Mich., 1; N. Y., 3; Va., 1).....	8	\$178,888
Structural and sanitary, total.....	38	423,771
New York.....	6	34,134
Pennsylvania.....	19	297,225
Mass., 2 est.; Vt., 3.....	5	83,796
Other States (Ala., 1 est.; Conn., 1; Maine, 1; Md., 1; Mich., 1; Mo., 1; Nebr., 1; Ohio, 1).....	8	8,617
<b>OTHER BUILDING STONE (SANDSTONE, BLUESTONE, SOAPSTONE, ETC.)</b>		
For exterior use, total.....	55	2,730,531
New York.....	15	1,088,962
Ohio.....	10	771,710
Pennsylvania.....	6	46,207
Conn., 1 est.; Mass., 2; R. I., 1.....	4	146,868
Mich., 2 est.; Minn., 3; Wis., 1.....	6	27,190
N. C., 1 est.; Va., 2.....	3	210,155
Other States (Fla., 1 est.; Ind., 3; Ky., 1; Md., 1; Oreg., 1; Tex., 1; Wash., 2; W. Va., 1).....	11	439,439
For interior use, total.....	13	276,148
New York.....	5	56,006
Other States (Fla., 1 est.; Ind., 1; Ky., 1; Ohio, 1; Pa., 1; Va., 2; Wis., 1).....	8	220,142
<b>MONUMENTAL STONES (MONUMENTS, TOMBSTONES, AND OTHER STONE ARTICLES FOR CEMETERY USE)</b>		
Marble, total.....	340	3,879,849
Alabama.....	10	139,652
California.....	11	38,188
Florida.....	6	61,226
Georgia.....	22	1,229,313
Indiana.....	5	22,417
Kentucky.....	4	10,983
Louisiana.....	6	42,817
Maine.....	7	29,762
Maryland.....	22	94,078
Massachusetts.....	24	270,544
Michigan.....	8	29,361
Mississippi.....	6	181,811
New Jersey.....	7	49,054
New York.....	17	118,727
North Carolina.....	16	211,456
Ohio.....	13	48,353
Pennsylvania.....	45	136,051
South Carolina.....	7	70,898
Tennessee.....	16	88,906
Texas.....	36	69,581
Virginia.....	11	64,606
Colo., 3 est.; Kans., 2.....	5	41,800
Ill., 6 est.; Mo., 5.....	11	116,536
Oreg., 3 est.; Wash., 3.....	6	28,175
Other States (Ark., 1 est.; Idaho, 1; Minn., 4; Mont., 1; Nebr., 1; N. Dak., 1; Okla., 3; Vt., 4; Wis., 3).....	19	685,554
Granite, total.....	759	28,887,725
Alabama.....	7	101,254
California.....	27	504,656
Colorado.....	7	127,496
Connecticut.....	13	264,002
Florida.....	5	41,756
Georgia.....	37	2,260,843
Illinois.....	17	586,315
Indiana.....	6	205,000
Iowa.....	4	132,478
Kansas.....	5	227,674
Kentucky.....	7	192,698
Louisiana.....	8	228,488
Maine.....	10	114,197
Maryland.....	30	476,932
Massachusetts.....	74	1,527,951
Michigan.....	7	194,541
Minnesota.....	36	3,125,508
Missouri.....	11	243,770
Montana.....	6	83,983
New Hampshire.....	7	64,357
New Jersey.....	11	448,104
New York.....	63	3,168,859
North Carolina.....	22	667,089
Ohio.....	23	705,898
Oklahoma.....	6	94,788

TABLE 5.—PRODUCTS, BY KIND AND VALUE, BY STATES:  
1939—Continued

KIND AND STATE	Number of establishments	Value
<b>MONUMENTAL STONES—Continued</b>		
<b>Granite—Continued.</b>		
Oregon.....	7	\$168,076
Pennsylvania.....	66	1,691,831
Rhode Island.....	8	266,297
South Carolina.....	11	363,856
Tennessee.....	13	282,482
Texas.....	55	902,784
Utah.....	4	47,214
Vermont.....	100	7,600,476
Virginia.....	12	213,556
Washington.....	5	120,980
Wisconsin.....	17	797,544
Ark., 1 est.; Miss., 5.....	6	218,173
Nebr., 1 est.; S. Dak., 2.....	3	394,606
Other States (Del., 1 est.; Idaho, 1; N. Dak., 1; W. Va., 1).....	4	25,218
Limestone, total.....	21	15,103
Ill., 2 est.; Ind., 2.....	4	3,810
La., 2 est.; Okla., 1; Tex., 3.....	6	1,851
Other States (Iowa, 1 est.; Ky., 1; Md., 1; Mich., 1; Mo., 1; N. J., 1; N. Y., 3; Ohio, 1; Tenn., 1).....	11	9,442
Other monumental stones, total.....	11	23,456
Conn., 1 est.; Mass., 2; N. Y., 1; Pa., 1.....	5	10,699
Other States (Ill., 1 est.; Ky., 1; Maine, 1; Mich., 1; N. C., 1; Tex., 1).....	6	12,757
<b>STONES FOR ORNAMENTAL AND MISCELLANEOUS USES</b>		
<b>MARBLE</b>		
Statuary and pedestals, total.....	16	47,321
Pennsylvania.....	5	2,486
Other States (Calif., 3 est.; Ky., 1; Md., 1; Mo., 1; N. Y., 2; Oreg., 1; Vt., 1; Va., 1).....	11	44,835
Table tops, total.....	26	132,176
N. Y., 5 est.; Pa., 2.....	7	43,917
Other States (Calif., 4 est.; Fla., 2; Ill., 2; Mass., 1; Minn., 1; Mo., 1; Nebr., 1; N. J., 1; N. C., 1; Tex., 1; Vt., 2; Va., 1; Wis., 1).....	19	88,259
Church furniture, altars, etc., total.....	19	156,494
California.....	4	6,009
Ill., 1 est.; Mo., 1; Wis., 1.....	3	35,969
Mass., 2 est.; Vt., 2.....	4	107,255
Other States (Md., 1 est.; Minn., 1; N. J., 1; N. Y., 2; Pa., 2; Va., 1).....	8	7,161
Terazzo chips, total.....	18	129,114
New York.....	3	29,412
Md., 1 est.; Tenn., 2; Va., 1.....	4	56,274
Mass., 1 est.; Vt., 2.....	3	11,204
Other States (Ala., 1 est.; Calif., 1; Conn., 1; Minn., 1; Tex., 1; Wash., 2; Wis., 1).....	8	32,134
Other, total.....	20	611,437
New York.....	5	135,469
Other States (Ala., 1 est.; Calif., 3; Conn., 1; Fla., 1; Ga., 1; Ill., 2; Mass., 1; Mo., 1; N. J., 1; N. C., 1; Tenn., 1; Wash., 1).....	15	475,978
<b>GRANITE</b>		
Paving blocks, total.....	8	226,639
Maine.....	3	176,746
Other States (Mass., 2 est.; Mich., 1; N. J., 1; Wis., 1).....	5	49,893
Curbing, total.....	36	685,777
Massachusetts.....	11	316,834
New Hampshire.....	3	13,291
New York.....	5	150,526
Ga., 4 est.; N. C., 2.....	6	173,204
Other States (Calif., 2 est.; Conn., 2; Maine, 3; Okla., 1; Pa., 2; Tex., 1).....	11	31,922
Rubble, total.....	16	65,450
Georgia.....	7	21,518
Maine, 1 est.; Mass., 1; N. H., 2.....	4	20,792
Other States (Conn., 1 est.; N. Y., 1; N. C., 2; Okla., 1).....	5	23,140
Riprap:		
Calif., 1 est.; Conn., 1; Mass., 5; Mo., 1; N. H., 2; N. J., 1; N. Y., 1; N. C., 2; R. I., 1; Tex., 1; Wis., 3.....	19	96,414
Other, total.....	38	670,861
Wisconsin.....	3	1,515
Conn., 2 est.; Mass., 6.....	8	57,934

CENSUS OF MANUFACTURES: 1939

TABLE 5.—PRODUCTS, BY KIND AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Value
STONES FOR ORNAMENTAL AND MISCELLANEOUS USES—CON.		
GRANITE—continued		
Other—Continued.		
Ga., 3 est.; N. C., 1.....	4	\$150,059
Maine, 4 est.; N. H., 2.....	6	124,951
N. Y., 4 est.; Pa., 2.....	6	63,490
Other States (Calif., 1 est.; Del., 1; Minn., 3; Mo., 1; Oreg., 1; S. C., 1; Tex., 1; Vt., 2).....	11	272,912
SLATE		
Blackboards and bulletin boards:		
Colo., 1 est.; Mass., 1; N. J., 1; Pa., 22; Wis., 1.....	26	759,997
School slates:		
Mass., 1 est.; Minn., 1; Pa., 10.....	12	64,634
Flagstones, walkways, etc., total.....		
	38	130,532
New York.....	8	25,379
Vermont.....	9	32,563
Del., 1 est.; Pa., 9.....	10	40,866
Other States (Calif., 2 est.; Conn., 1; D. C., 1; Maine, 1; Mass., 1; Mich., 2; N. J., 2; N. C., 1).....	11	31,724
Switchboard panels and other electrical insulation, total.....		
	24	269,595
Pennsylvania.....	12	20,344
Vermont.....	4	44,466
Maine, 2 est.; Mass., 1.....	3	195,292
Other States (Conn., 2 est.; Fla., 1; Mich., 1; N. Y., 1).....	5	9,493

TABLE 5.—PRODUCTS, BY KIND AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	Number of establishments	Value
STONES FOR ORNAMENTAL AND MISCELLANEOUS USES—CON.		
SLATE—continued		
Other, total.....	25	\$82,702
Pennsylvania.....		
Mass., 3 est.; Vt., 2.....	8	57,430
Other States (Calif., 1 est.; Ill., 1; Maine, 2; Md., 1; N. Y., 3; Ohio, 1; Okla., 1; R. I., 1; Va., 1).....	5	13,408
Limestone, total.....	12	11,804
	20	186,713
Indiana.....	10	24,922
Other States (Ala., 2 est.; Ky., 1; Mich., 2; Mo., 1; N. J., 1; Ohio, 1; Vt., 1; Va., 1).....	10	161,791
OTHER STONES (SANDSTONE, BLUESTONE, ONYX, ETC.)		
Curbing, flagging, and paving blocks, total.....	28	801,688
New York.....	11	361,164
Mich., 2 est.; Ohio, 6; Pa., 2.....	10	420,810
Other States (Fla., 1 est.; Minn., 1; Mo., 1; Oreg., 1; Tex., 1; Va., 1; Wash., 1).....	7	19,714
Other uses, total.....	42	1,843,321
Illinois.....	4	205,471
New York.....	9	118,462
Ohio.....	4	344,567
Conn., 1 est.; Mass., 1; Vt., 1.....	3	18,965
Ky., 1 est.; Ind., 1; W. Va., 1.....	3	79,189
Other States (Ala., 1; Calif., 3; Colo., 2; Fla., 2; Minn., 2; Nebr., 1; Oreg., 1; Pa., 2; Tenn., 1; Va., 2; Wash., 1; Wis., 1).....	19	1,076,607

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	18,516	15,508	15,102	17,397	18,962	19,929	19,565	20,382	20,355	19,665	19,321	18,462	17,338
1937.....	20,816	18,167	18,566	19,906	21,229	21,853	21,822	22,234	22,329	22,268	21,423	20,543	19,448
1929.....	37,817	34,626	34,881	36,937	38,394	39,068	39,475	39,143	39,751	39,528	38,908	37,462	35,631
Alabama.....	348	306	304	323	336	342	354	362	368	386	370	367	360
Arkansas.....	29	21	22	23	35	37	44	42	32	30	29	23	14
California.....	348	321	341	357	335	382	355	353	353	343	351	347	341
Colorado.....	79	96	78	88	80	83	80	79	79	78	74	67	74
Connecticut.....	174	160	184	196	203	206	194	181	147	165	151	165	131
Florida.....	62	60	56	55	58	58	58	59	59	66	74	70	74
Georgia.....	1,530	1,447	1,472	1,533	1,558	1,580	1,543	1,539	1,527	1,568	1,550	1,529	1,519
Illinois.....	364	331	322	301	332	359	378	365	404	415	392	390	354
Indiana.....	1,930	1,655	780	1,835	2,190	2,366	2,087	2,296	2,381	2,455	2,097	1,699	1,341
Iowa.....	43	42	40	42	50	52	50	45	45	40	42	39	33
Kansas.....	70	50	59	62	69	81	70	81	75	74	78	71	71
Kentucky.....	89	95	82	87	97	95	88	93	87	94	89	79	84
Louisiana.....	62	60	60	54	62	65	63	64	60	65	63	66	64
Maine.....	468	318	258	232	345	395	357	387	930	476	452	426	391
Maryland.....	170	148	151	163	164	174	158	166	173	180	202	204	159
Massachusetts.....	846	574	548	721	845	969	1,034	1,028	962	930	967	812	768
Michigan.....	188	151	158	173	189	180	213	223	220	219	184	183	160
Minnesota.....	1,056	890	919	1,015	1,094	1,141	1,105	1,097	1,094	1,090	1,126	1,073	1,023
Mississippi.....	74	70	72	73	73	71	73	72	75	73	78	79	78
Missouri.....	437	380	430	453	482	479	486	465	431	429	405	411	393
Montana.....	22	15	18	26	36	35	26	19	18	17	17	19	16
Nebraska.....	56	47	44	46	54	46	56	60	63	60	65	65	56
New Hampshire.....	132	134	91	96	144	161	148	146	143	123	150	130	121
New Jersey.....	147	131	171	192	176	144	123	131	121	123	136	170	143
New York.....	1,116	795	757	979	1,261	1,236	1,234	1,241	1,259	1,291	1,166	1,142	1,036
North Carolina.....	500	490	529	529	524	540	557	529	501	506	474	394	422
Ohio.....	632	469	494	572	616	668	697	714	697	672	669	679	632
Oklahoma.....	77	73	75	81	82	92	78	76	73	72	67	76	81
Oregon.....	44	37	45	56	50	51	45	41	42	41	41	40	41
Pennsylvania.....	1,614	1,301	1,283	1,498	1,617	1,690	1,697	1,726	1,749	1,740	1,732	1,709	1,627
Rhode Island.....	94	82	76	91	109	113	112	77	80	92	108	92	95
South Carolina.....	120	104	110	118	117	121	122	125	128	126	126	125	124
Tennessee.....	1,276	1,191	1,149	1,174	1,227	1,278	1,299	1,356	1,351	1,382	1,373	1,322	1,213
Texas.....	510	471	473	498	517	523	523	550	529	527	502	503	508
Utah.....	8	8	8	8	8	8	8	8	8	8	8	8	8
Vermont.....	2,763	2,111	2,505	2,666	2,812	2,998	2,927	2,932	2,957	2,811	2,860	2,835	2,751
Virginia.....	541	487	489	437	498	519	529	578	593	593	580	597	596
Washington.....	94	47	90	106	109	118	116	107	110	98	78	77	70
Wisconsin.....	310	252	268	299	313	360	356	348	344	312	305	295	274

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	1,244
Reporting expenditures for plant and equipment.....	514
Value of products:	
Total for the industry.....	\$75,811,785
Reporting expenditures for plant and equipment.....	42,573,240
Expenditures for plant and equipment:	
Total for the industry.....	1,215,084
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	324,379
Expenditures for new machinery and operating equipment.....	573,305
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	267,380
Expenditures unclassified.....	50,020

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$14,088,044	\$16,454,783
Finished products.....	6,585,404	8,351,472
Materials, supplies, etc.....	7,502,550	8,103,311
End of year, total.....	14,019,443	17,420,597
Finished products.....	6,635,825	8,742,182
Materials, supplies, etc.....	7,383,618	8,678,415
Value of products for the industry, total.....	75,811,785	79,006,196
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	68,678,969	72,216,226
Value for establishments not reporting inventories.....	7,132,816	6,789,970

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments.....	1,244	1,881
Number of establishments reporting power equipment.....	1,224	1,826
Prime movers, aggregate:		
Number.....	395	692
Horsepower.....	41,156	55,267
Prime movers, driving generators, total—		
Number.....	70	1,692
Horsepower.....	22,585	1,55,267
Steam engines—		
Number.....	13	1,496
Horsepower.....	2,835	1,32,320

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929—Continued

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators—Continued.		
Steam turbines—		
Number.....	3	15
Horsepower.....	1,832	1,993
Diesel and semi-Diesel engines—		
Number.....	28	1,155
Horsepower.....	4,086	
Other internal-combustion engines <sup>2</sup> —		
Number.....	5	1,673
Horsepower.....	112	
Hydroturbines and water wheels—		
Number.....	21	136
Horsepower.....	13,720	15,218
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	3,087	
Prime movers not driving generators, total—		
Number.....	325	
Horsepower.....	18,571	
Steam engines—		
Number.....	147	
Horsepower.....	10,874	
Steam turbines—		
Number.....	2	( <sup>3</sup> )
Horsepower.....	32	
Diesel and semi-Diesel engines—		
Number.....	52	
Horsepower.....	3,344	
Other internal-combustion engines <sup>2</sup> —		
Number.....	121	
Horsepower.....	3,928	
Hydroturbines and water wheels—		
Number.....	3	
Horsepower.....	393	
Prime movers not driving generators, ordinarily idle (included above), horsepower.....	2,564	
Generators, kilowatt rating, total.....	14,274	21,062
Generators, driven by—		
Steam engines, kilowatt rating.....	1,960	
Steam turbines, kilowatt rating.....	1,248	
Diesel and semi-Diesel engines, kilowatt rating.....	2,589	( <sup>3</sup> )
Other internal-combustion engines, <sup>2</sup> kilowatt rating.....	73	
Hydroturbines and water wheels, kilowatt rating.....	8,404	
Generators, ordinarily idle (included above), kilowatt rating.....	2,058	( <sup>4</sup> )
Electric motors, total:		
Number.....	14,470	16,266
Horsepower.....	243,492	277,224
Driven by purchased energy—		
Number.....	12,887	14,678
Horsepower.....	210,605	250,648
Driven by energy generated in establishments reporting—		
Number.....	1,583	1,583
Horsepower.....	32,887	26,576
Electric energy (kilowatt-hours):		
Generated in plant.....	23,492,351	( <sup>4</sup> )
Sold.....	41,036	( <sup>3</sup> )
Purchased.....	117,269,770	151,906,038

<sup>1</sup> Includes data for prime movers not driving generators. <sup>2</sup> Gas, gasoline, etc. <sup>3</sup> Not called for on schedule. <sup>4</sup> Data not available.

# ABRASIVE WHEELS, STONES, PAPER, CLOTH, AND RELATED PRODUCTS

[A preliminary report for this industry was issued December 14, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of abrasive grinding wheels of emery, corundum, and other materials, natural or artificial; abrasive sticks, stones, bricks, paper, and cloths; buffing and polishing wheels and abrasive grains. The cutting of grindstones, pulpstones, and whetstones in the quarry is not included in the manufacturing industries.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1931 TO 1939**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1939.....	124	7,734	\$10,683,071	\$26,505,999	\$71,271,168	\$44,765,169	3,872
1937.....	103	9,670	14,249,652	29,338,748	77,953,930	48,615,182	( <sup>5</sup> )
1935.....	94	6,776	8,350,730	20,734,283	53,867,448	33,133,165	( <sup>5</sup> )
1933.....	77	4,890	4,980,561	11,348,697	30,158,941	18,810,244	( <sup>5</sup> )
1931 <sup>7</sup> .....	73	4,614	5,540,243	11,727,464	31,646,800	19,919,336	( <sup>5</sup> )

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

<sup>7</sup> No comparable data for years prior to 1931.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Connecticut	Illinois	Michigan	New York	Ohio	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	124	6	17	9	25	18	15	34
Proprietors and firm members.....	31	1	5	2	7	4	1	11
Persons reported by manufacturing establishments, total <sup>3</sup> .....	11,321	141	594	628	3,846	648	791	4,673
Salaried officers of corporations <sup>3</sup> .....	205	13	19	12	36	26	28	71
Manufacturing:								
Salaried employees <sup>3</sup> .....	1,646	17	43	49	741	71	116	609
Wage earners (average for the year) <sup>4</sup> .....	7,734	103	465	451	2,555	457	529	3,174
Distribution.....	1,120	8	65	115	323	52	94	463
Construction.....	392		2	1	191	16	4	178
Other.....	224					26	20	178
Salaries and wages, total <sup>5</sup> .....	\$20,490,903	\$200,864	\$895,336	\$1,022,019	\$7,174,778	\$896,882	\$1,475,562	\$8,825,462
Salaried officers <sup>3</sup> .....	1,744,548	55,400	166,523	99,023	320,160	148,393	158,307	796,742
Manufacturing:								
Salaries <sup>3</sup> .....	3,699,072	28,512	84,576	113,660	1,635,509	136,496	246,855	1,453,464
Wages.....	10,683,071	102,211	482,741	532,266	3,463,117	449,804	756,681	4,896,251
Distribution.....	3,215,465	14,741	157,196	275,570	1,239,869	136,137	281,051	1,110,901
Construction.....	742,843		4,300	1,500	516,123	1,747	7,080	212,118
Other.....	405,899					24,305	25,608	355,986
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	26,505,999	300,982	1,544,067	1,537,172	9,762,400	1,565,098	1,387,525	10,408,755
Materials, supplies, and containers.....	25,030,578	288,229	1,509,985	1,459,664	9,255,797	1,462,753	1,281,472	9,772,678
Fuel.....	743,975	6,406	18,472	34,086	196,935	61,124	74,671	352,281
Purchased electric energy.....	709,879	6,347	15,610	43,422	296,366	39,373	30,682	278,079
Contract work.....	21,567				13,302	1,848	700	5,717
Value of products.....	71,271,168	680,899	3,501,449	3,572,268	23,364,695	3,236,843	4,178,614	32,736,400
Value added by manufacture <sup>6</sup> .....	44,765,169	379,917	1,957,382	2,035,096	13,602,295	1,671,745	2,791,089	22,327,645

<sup>1</sup> California, 1 establishment; Indiana, 3; Kentucky, 1; Massachusetts, 18; Minnesota, 1; Missouri, 1; New Hampshire, 2; New Jersey, 3; Rhode Island, 2; Washington, 1; Wisconsin, 1.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

ABRASIVE WHEELS, STONES, PAPER, ETC.

TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

	1939	1937
Abrasive Wheels, Stones, Paper, Cloth, and Related Products industry, all products, total value.....	\$71,271,168	\$77,953,930
Abrasive wheels, stones, paper, and cloth, and related products made in this industry.....	67,789,075	73,602,382
Merchandise bought and resold.....	249,978	(2)
Miscellaneous products not specified.....	1,079,690	(3)
Receipts for contract and commission work.....	85,585	31,991
Other products (not classified in this industry).....	4,206,840	4,319,557
Abrasive wheels, stones, paper, and cloth, and related products, total value.....	71,519,177	75,861,311
Abrasive wheels, stones, paper, etc., made in the industry.....	67,789,075	73,602,382
Abrasive wheels, stones, paper, etc., made as secondary products in other industries.....	3,730,102	2,258,929

1 Revised.  
 2 No data.  
 3 Included in "Other products (not classified in this industry)."  
 4 Includes value of buffing, polishing, and grinding compounds; nonclay refractories; plating, polishing, and grinding machinery and equipment; and carbon electrical products.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

PRODUCT	1939	1937
Total value.....	\$71,519,177	\$75,861,311
Abrasive grinding wheels, total value.....	\$20,436,500	\$35,100,774
Dental.....	\$388,338	
Other than dental.....	\$20,048,162	\$35,100,774
Oilstones, scythestones, whetstones, hones, and other rubbing stones, value.....	\$454,154	\$572,341
Abrasive paper:		
Reams.....	1,038,038	1,899,746
Value.....	\$9,028,252	\$9,299,564
Abrasive cloth:		
Reams.....	279,673	1,293,515
Value.....	\$7,427,431	\$7,780,403
Buffing and polishing wheels, value.....	4,385,158	4,671,662
Steel wool, value.....	1,053,930	1,134,527
Abrasive grains, value.....	8,744,055	7,981,104
Steel and iron shot and grit, value.....	1,758,200	1,450,732
Other abrasive products not listed above, value <sup>2</sup> .....	9,231,497	8,020,204

1 Revised.  
 2 Includes value of masking tape; artificial abrasive sticks, stones, bricks, and other metal abrasives.

TABLE 5.—NUMBER OF ESTABLISHMENTS AND PRODUCTS BY KIND AND VALUE, BY STATES: 1939

KIND AND STATE	Number of establishments	Value
Abrasive grinding wheels:		
Dental (Calif., 1 est.; Ill., 1; Mich., 1; N. Y., 1; Pa., 2)	6	\$388,338
Other than dental, total.....	45	29,048,162
Connecticut.....	4	261,111
Illinois.....	6	739,363
Michigan.....	5	2,029,829
Ohio.....	3	1,209,396
Pennsylvania.....	8	3,458,370
Mass., 10 est.; N. J., 2; N. Y., 3	15	21,038,522
Other States (Calif., 1 est.; R. I., 1; Wash., 1; Wis., 1).....	4	311,571
Oilstones, scythestones, whetstones, hones, and other rubbing stones (Ill., 5 est.; Ind., 1; Mass., 2; Mich., 1; N. H., 1; N. Y., 1; Ohio, 1; Wis., 1)	13	454,154
Abrasive paper (Conn., 1 est.; Ill., 1; Mass., 2; Mich., 1; Minn., 1; N. Y., 6)	12	9,028,252
Abrasive cloth (Conn., 1 est.; Ill., 1; Mass., 2; Mich., 1; Minn., 1; N. Y., 5)	11	7,427,431
Buffing and polishing wheels, total.....	41	4,385,158
Illinois.....	5	840,473
Michigan.....	4	682,948
New York.....	13	1,111,118
Ohio.....	6	347,555
Conn., 2 est.; Mass., 3; N. J., 3	8	1,026,276
Other States (Ind., 2 est.; Mo., 1; Pa., 1; Wis., 1).....	5	376,788
Steel wool (Ill., 1 est.; N. Y., 1; Ohio, 2)	4	1,053,930
Abrasive grains, total.....	18	8,744,055
Massachusetts.....	4	3,156,444
New York.....	3	5,044,206
Pennsylvania.....	6	412,685
Other States (Ill., 1 est.; Ind., 1; R. I., 1; Va., 1; Wis., 1)	5	130,720
Steel and iron shot and grit (Mass., 1 est.; N. H., 1; Ohio, 4; Pa., 2)	8	1,758,200
Other abrasive products not listed above, total <sup>2</sup> .....	32	9,231,497
Illinois.....	5	114,192
Ohio.....	4	130,694
Other States (Iowa, 1 est.; Kans., 1; Ky., 1; La., 1; Mass., 5; Minn., 1; Mo., 1; N. J., 2; N. Y., 7; Pa., 3)	23	8,986,611

1 Quantity reported, 1,038,038 reams of abrasive paper.  
 2 Quantity reported, 279,673 reams of abrasive cloth.  
 3 Includes value of masking tape; artificial abrasive sticks, stones, bricks, and other metal abrasives.

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	7,734	7,027	7,131	7,171	7,300	7,291	7,287	7,336	7,405	7,881	8,610	9,177	9,186
1937.....	9,670	9,098	9,273	9,580	9,799	10,002	10,108	10,015	9,962	9,888	9,755	9,600	8,977
Connecticut.....	103	101	103	98	100	97	100	97	93	103	112	116	118
Illinois.....	465	441	434	441	439	445	434	427	428	484	517	541	548
Indiana.....	23	21	19	20	22	21	20	20	19	21	31	33	32
Massachusetts.....	2,019	1,882	1,912	1,887	1,922	1,910	1,926	1,906	1,913	2,014	2,211	2,359	2,386
Michigan.....	451	431	424	418	417	411	405	421	424	469	541	558	495
New Jersey.....	95	107	105	97	100	86	82	79	85	97	95	102	105
New York.....	2,555	2,214	2,240	2,296	2,381	2,396	2,402	2,448	2,507	2,583	2,862	3,162	3,167
Ohio.....	457	426	439	433	431	426	414	408	437	475	504	534	556
Pennsylvania.....	529	481	513	519	511	513	508	511	510	514	562	596	606

## CENSUS OF MANUFACTURES: 1939

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	124
Reporting expenditures for plant and equipment.....	87
Value of products:	
Total for the industry.....	\$71,271,168
Reporting expenditures for plant and equipment.....	67,935,526
Expenditures for plant and equipment:	
Total for the industry.....	2,756,378
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	1,291,916
Expenditures for new machinery and operating equipment.....	1,390,093
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	74,369

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$19,306,802	\$18,503,770
Finished products.....	8,138,151	8,821,638
Materials, supplies, etc.....	11,168,651	9,682,132
End of year, total.....	20,167,743	22,124,782
Finished products.....	8,415,703	10,416,423
Materials, supplies, etc.....	11,752,040	11,708,359
Value of products for the industry, total.....	71,271,168	77,953,930
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	70,095,553	77,186,731
Value for establishments not reporting inventories.....	1,175,615	767,199

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929		1939	1929
Number of establishments.....	124	84	Prime movers—Continued.		
Number of establishments reporting power equipment.....	123	81	Prime movers not driving generators—Continued.		
Prime movers, aggregate:			Diesel and semi-Diesel engines—		
Number.....	27	32	Number.....	3	
Horsepower.....	3,872	5,666	Horsepower.....	60	
Prime movers, driving generators, total—			Other internal-combustion engines <sup>1</sup> —		
Number.....	7	132	Number.....	7	( <sup>2</sup> )
Horsepower.....	2,962	15,666	Horsepower.....	165	
Steam engines—			Hydroturbines and water wheels—		
Number.....	4	126	Number.....	2	
Horsepower.....	985	13,830	Horsepower.....	100	
Steam turbines—			Generators, kilowatt rating, total.....	2,050	2,302
Number.....	3	13	Generators, driven by—		
Horsepower.....	1,977	11,726	Steam engines, kilowatt rating.....	725	
Hydroturbines and water wheels—			Steam turbines, kilowatt rating.....	1,325	( <sup>2</sup> )
Number.....		13	Electric motors, total:		
Horsepower.....		110	Number.....	8,251	2,622
Prime movers not driving generators, total—			Horsepower.....	43,622	22,665
Number.....	20		Driven by purchased energy—		
Horsepower.....	910		Number.....	6,579	2,450
Steam engines—			Horsepower.....	32,199	20,224
Number.....	7	( <sup>2</sup> )	Driven by energy generated in establishments reporting—		
Horsepower.....	535		Number.....	1,672	172
Steam turbines—			Horsepower.....	11,423	2,441
Number.....	1		Electric energy (kilowatt-hours):		
Horsepower.....	50		Generated in plant.....	2,792,870	( <sup>4</sup> )
			Purchased.....	108,853,122	21,299,001

<sup>1</sup> Includes data for prime movers not driving generators.  
<sup>2</sup> Not called for on schedule.

<sup>3</sup> Gas, gasoline, etc.  
<sup>4</sup> Data not available.

# ASBESTOS PRODUCTS (EXCEPT STEAM PACKING AND PIPE AND BOILER COVERING) STEAM AND OTHER PACKING; PIPE AND BOILER COVERING

[Preliminary reports for these industries were issued on December 12, 1940, and subsequent dates]

**Description of the industries.**—The "Asbestos products (except steam packing and pipe and boiler covering)" industry embraces establishments primarily engaged in the manufacture of asbestos textiles, asbestos building materials, and other commodities composed wholly or chiefly of asbestos, except steam and other packing, pipe and boiler covering and gaskets.

The "Steam and other packing, pipe and boiler covering" industry embraces establishments primarily engaged in the manufacture of packing for steam, water, and other pipe joints and for engines, air compressors,

etc.; insulating materials for covering boilers and pipes; and gaskets made of fiber, paper, or any combination of materials. Manufacturers whose principal products are (a) cork gaskets, or (b) rubber gaskets, or (c) leather gaskets, are classified elsewhere, but an establishment that makes two or more classes of gaskets is assigned to this industry.

Products of these industries are so closely related that the production statistics are combined in one table; otherwise figures for each industry are shown separately.

TABLE 1.—SUMMARY FOR THE INDUSTRIES FOR THE UNITED STATES: 1929 TO 1939 <sup>1</sup>

CENSUS YEAR	Number of establishments <sup>2</sup>	Wage earners (average for the year) <sup>3</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>4</sup>	Value of products	Value added by manufacture <sup>5</sup>	Horsepower of prime movers
<b>TOTAL FOR THE INDUSTRIES</b>							
1939.....	213	15,886	\$18,769,047	\$41,536,300	\$97,944,735	\$56,408,345	33,188
1937.....	198	18,957	21,087,014	44,541,892	96,347,670	51,805,078	( <sup>6</sup> )
1935.....	196	14,396	14,035,406	28,945,583	62,420,944	33,475,361	( <sup>6</sup> )
1933.....	176	10,369	8,859,158	19,516,999	44,644,270	25,127,271	( <sup>6</sup> )
1931.....	198	10,129	10,996,567	24,090,421	57,820,637	33,730,216	( <sup>6</sup> )
1929.....	230	14,569	19,522,982	46,010,485	99,219,847	53,209,362	26,294
<b>ASBESTOS PRODUCTS (EXCEPT STEAM PACKING AND PIPE AND BOILER COVERING)</b>							
1939.....	79	9,979	11,578,739	23,928,040	60,774,252	36,846,212	21,290
1937.....	73	13,023	14,157,450	29,493,630	69,793,752	34,300,122	( <sup>6</sup> )
1935.....	72	9,622	9,293,419	17,177,937	38,162,687	20,984,650	( <sup>6</sup> )
1933.....	58	6,084	5,074,645	10,788,515	25,254,604	14,466,089	( <sup>6</sup> )
1931.....	67	6,009	6,451,954	13,837,404	35,174,002	21,336,598	( <sup>6</sup> )
1929.....	67	8,092	10,776,712	25,408,002	56,104,036	30,756,034	11,945
1927.....	62	6,337	8,375,502	21,517,740	44,156,388	22,638,648	9,555
1925.....	49	6,129	7,691,801	19,225,002	36,273,797	17,048,795	9,091
1923.....	56	6,078	6,640,022	20,026,265	36,820,444	16,794,179	9,956
1921.....	40	2,020	1,947,698	6,076,000	13,030,440	6,854,440	( <sup>6</sup> )
1919.....	46	3,654	3,731,974	12,947,702	28,977,557	11,029,855	4,212
1914 <sup>7</sup> .....	32	962	483,736	1,360,185	2,813,578	1,453,393	1,456
<b>STEAM AND OTHER PACKING; PIPE AND BOILER COVERING</b>							
1939.....	134	5,907	7,190,308	17,608,360	37,170,483	19,562,133	11,898
1937.....	125	6,934	6,929,564	15,048,262	32,553,818	17,505,556	( <sup>6</sup> )
1935.....	124	4,774	4,741,987	11,767,646	24,258,357	12,490,711	( <sup>6</sup> )
1933.....	118	4,285	3,794,513	8,728,484	19,389,666	10,661,182	( <sup>6</sup> )
1931.....	131	4,120	4,544,613	10,283,017	22,646,635	12,393,618	( <sup>6</sup> )
1929 <sup>8,9</sup> .....	163	6,477	8,746,270	20,602,483	43,055,811	22,453,328	14,349

<sup>1</sup> The "Asbestos products" industry presents statistics for years 1914 to 1927 in addition to those for 1929 to 1939.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>4</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>5</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>6</sup> Not called for on schedule.

<sup>7</sup> Data not available.

<sup>8</sup> No comparable data for years prior to 1914.

<sup>9</sup> Revised.

<sup>10</sup> No comparable data for years prior to 1929.

## CENSUS OF MANUFACTURES: 1939

TABLE 2.—ASBESTOS PRODUCTS (EXCEPT STEAM PACKING AND PIPE AND BOILER COVERING)—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Indiana	New Jersey	New York	Pennsylvania	Massachusetts	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	79	6	5	-7	5	9	6	41
Proprietors and firm members.....	12	2				1	2	7
Persons reported by manufacturing establishments, total <sup>3</sup> .....	12,216	252	585	2,788	174	1,994	185	6,238
Salaried officers of corporations <sup>4</sup> .....	90	3	9	7	5	13	1	52
Manufacturing:								
Salaried employees <sup>5</sup> .....	1,184	23	49	263	22	141	16	670
Wage earners (average for the year) <sup>6</sup> .....	9,979	185	516	2,333	126	1,665	162	4,992
Distribution.....	725	25	11	59	16	175	1	438
Construction.....	232	16		120	5		5	86
Other.....	6			6				
Salaries and wages, total <sup>7</sup> .....	\$16,291,196	\$298,130	\$644,858	\$3,890,135	\$336,545	\$2,653,718	\$182,453	\$8,285,357
Salaried officers <sup>8</sup> .....	592,635	11,487	44,529	50,012	37,931	96,723	2,665	349,288
Manufacturing:								
Salaries <sup>9</sup> .....	2,363,697	43,169	92,225	563,940	45,803	254,719	28,731	1,335,110
Wages.....	11,578,739	193,873	477,738	3,035,206	199,585	1,810,087	143,632	5,718,618
Distribution.....	1,401,248	29,776	30,366	43,277	47,108	492,189	3,151	755,381
Construction.....	349,763	19,825		192,586	6,118		4,274	128,960
Other.....	5,114			5,114				
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	23,928,040	478,030	1,000,473	6,168,559	256,814	3,597,191	416,725	12,010,248
Materials, supplies, and containers.....	22,292,026	426,291	917,665	5,768,544	238,618	3,449,947	388,770	11,102,191
Fuel.....	915,943	20,943	29,544	334,307	6,833	69,843	11,932	442,641
Purchased electric energy.....	709,266	30,424	51,875	65,329	11,363	77,401	16,023	450,851
Contract work.....	10,805	372	1,389	379				8,665
Value of products.....	60,774,252	1,151,473	2,068,817	18,709,840	834,774	8,207,173	869,770	28,932,405
Value added by manufacture <sup>10</sup> .....	36,846,212	673,443	1,068,344	12,541,281	577,960	4,609,982	453,045	16,922,157

<sup>1</sup> Alabama, 1 establishment; Colorado, 1; Connecticut, 3; Georgia, 1; Illinois, 9; Louisiana, 2; Maryland, 1; Michigan, 3; Missouri, 6; New Hampshire, 1; North Carolina, 3; Ohio, 5; Oregon, 1; South Carolina, 1; Texas, 2; Washington, 1.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—STEAM AND OTHER PACKING; PIPE AND BOILER COVERING INDUSTRY—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	Massachusetts	Michigan	New Jersey	New York	Ohio	Pennsylvania	Washington	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	134	11	16	9	9	13	27	9	22	3	15
Proprietors and firm members.....	49	7	5	3	1	2	14	3	7	2	5
Persons reported by manufacturing establishments, total <sup>3</sup> .....	7,531	334	1,640	204	1,189	236	1,049	249	1,746	13	871
Salaried officers of corporations <sup>4</sup> .....	161	2	25	8	18	20	22	3	39		24
Manufacturing:											
Salaried employees <sup>5</sup> .....	719	44	127	43	77	24	112	21	163	1	107
Wage earners (average for the year) <sup>6</sup> .....	5,907	277	1,186	141	1,044	150	862	222	1,324	10	691
Distribution.....	673	7	284	11	39	41	33	3	208	2	45
Construction.....	53	4	18		4	1	20		4		2
Other.....	18			1	7				8		2
Salaries and wages, total <sup>7</sup> .....	\$11,168,780	\$484,606	\$2,302,025	\$373,329	\$1,997,846	\$405,189	\$1,513,358	\$254,433	\$2,661,816	\$17,521	\$1,158,657
Salaried officers <sup>8</sup> .....	1,001,276	4,800	238,581	37,840	123,461	94,831	122,006	11,200	242,401		126,156
Manufacturing:											
Salaries <sup>9</sup> .....	1,482,976	85,589	260,181	111,110	217,788	48,985	222,837	35,291	324,624	900	175,671
Wages.....	7,190,308	373,694	1,291,380	155,740	1,549,214	178,691	1,057,526	201,395	1,652,443	14,071	716,154
Distribution.....	1,386,533	13,356	481,952	68,195	92,088	82,551	80,989	6,547	422,752	2,550	135,553
Construction.....	86,842	7,167	29,931		7,662	131	30,000		8,827		3,124
Other.....	20,845			444	7,633				10,769		1,999
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	17,608,350	916,435	3,298,546	713,008	3,569,738	447,692	2,497,568	636,766	3,763,637	18,915	1,746,045
Materials, supplies, and containers.....	16,628,640	853,910	3,218,085	686,965	3,502,499	429,859	2,388,491	623,515	3,231,090	18,205	1,675,721
Fuel.....	697,983	27,953	39,966	12,212	21,960	7,277	74,098	8,370	470,964	213	34,970
Purchased electric energy.....	269,681	31,422	40,495	8,264	45,279	9,547	34,979	4,681	60,819	497	33,798
Contract work.....	12,046	3,150	5,567		5,567	1,009			764		1,556
Value of products.....	37,170,483	2,191,568	7,019,474	1,178,938	7,279,323	992,528	5,025,187	1,254,903	8,636,749	59,942	3,531,871
Value added by manufacture <sup>10</sup> .....	19,562,133	1,275,133	3,720,928	465,930	3,709,555	544,836	2,527,619	618,137	4,873,112	41,027	1,785,826

<sup>1</sup> Alabama, 2 establishments; Colorado, 1; Connecticut, 1; Kentucky, 1; Maryland, 1; Minnesota, 2; Missouri, 2; Nebraska, 1; Oklahoma, 1; Texas, 1; Wisconsin, 2.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 4.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939, 1937, AND 1929

	1939	1937	1929
The "Asbestos Products (Except Steam Packing and Pipe and Boiler Covering)" and "Steam and Other Packing; Pipe and Boiler Covering" industries, all products, total value.....	\$97,944,735	\$96,347,570	\$99,219,847
Asbestos products, steam and other packing, pipe and boiler covering, and gaskets, value.....	89,765,366	88,080,441	94,543,376
Miscellaneous products not specified, value.....	3,889,226		
Other products not classified in these industries, value.....	1,037,953	8,267,129	4,517,364
Scrap and salable refuse, value.....	553,799		
Receipts for contract and commission work, value.....	28,229		159,107
Merchandise bought and resold, value.....	670,162	( <sup>2</sup> )	( <sup>2</sup> )
Asbestos products, steam and other packing, pipe and boiler covering, and gaskets, aggregate value.....	101,818,963	\$97,508,766	104,983,778
Asbestos products, steam and other packing, pipe and boiler covering, and gaskets made in these industries, value.....	89,765,366	88,080,441	94,543,376
Asbestos products, steam and other packing, pipe and boiler covering, and gaskets made as secondary products in other industries, value.....	12,053,597	\$9,428,325	10,440,402

<sup>1</sup> Chiefly value of mineral wool, magnesium carbonate, roofing and flooring materials.  
<sup>2</sup> No data.  
<sup>3</sup> Revised.

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939, 1937, AND 1929

	1939	1937	1929
Asbestos products, steam and other packing, pipe and boiler covering, and gaskets, aggregate value.....	\$101,818,963	\$97,508,766	\$104,983,778
Asbestos textiles, total value.....	\$21,108,422	\$22,306,367	\$36,161,993
Yarn:			
Pounds.....	7,922,729	13,966,596	15,378,407
Value.....	\$2,682,826	\$3,457,083	\$5,173,568
Cloth:			
Pounds.....	5,262,966	7,806,764	6,666,589
Value.....	\$1,812,795	\$2,189,484	\$2,787,049
Tape, listings, and tubular lagging:			
Pounds.....	2,211,805	3,270,753	2,225,852
Value.....	\$1,173,695	\$1,322,965	\$1,202,231
Brake lining, not molded (see "Molded asbestos brake lining," below):			
Feet.....	28,570,312	46,454,639	110,246,479
Value.....	\$6,051,005	\$6,314,011	\$16,447,438
Clutch facings, not molded:			
Pieces.....	9,083,974	15,093,540	\$38,096,113
Value.....	\$2,445,652	\$3,449,948	\$3,910,727
Packings:			
Total pounds.....	9,797,274	9,750,756	8,623,281
Total value.....	\$3,246,165	\$3,085,807	\$3,845,710
Compressed sheet—			
Pounds.....	5,447,877	5,617,323	3,430,525
Value.....	\$1,204,593	\$1,170,443	\$787,116
Flat fabric—			
Pounds.....	1,655,814	862,498	1,676,301
Value.....	\$517,806	\$259,853	\$692,369
Woven and molded to special sections (with or without other materials)—			
Pounds.....	2,693,583	3,270,935	3,516,455
Value.....	\$1,523,766	\$1,655,571	\$2,366,225
Gaskets:			
Pounds.....	1,329,517	1,543,657	3,012,335
Value.....	\$681,476	\$857,090	\$1,726,804
Roving:			
Pounds.....	4,437,011	4,776,688	( <sup>3</sup> )
Value.....	\$1,017,959	\$810,713	
Other asbestos textiles, value.....	\$1,996,939	\$819,206	\$1,088,466

TABLE 5.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939, 1937, AND 1929—Continued

	1939	1937	1929
Asbestos building materials, total value....	\$16,650,887	\$18,228,544	\$10,423,618
Asbestos roofing shingles:			
Squares.....	663,514	2,100,364	894,164
Value.....	\$4,599,405	\$11,519,411	\$5,277,305
Asbestos lumber (plain):			
Square feet.....	( <sup>4</sup> )	{ 22,349,813	{ 16,770,928
Value.....		{ \$1,780,026	{ \$1,638,687
Asbestos lumber (corrugated):			
Square feet.....	7,551,117	12,537,346	18,624,266
Value.....	\$844,874	\$1,035,788	\$1,455,739
Other asbestos building materials, value.....	\$11,206,608	\$3,893,319	\$2,051,884
Asbestos products other than textiles and building materials, total value.....	\$36,598,668	\$31,950,531	\$27,931,157
Millboard:			
Pounds.....	18,274,470	17,182,492	7,280,221
Value.....	\$897,302	\$846,458	\$345,375
Molded asbestos brake lining (see "Brake lining, not molded," above):			
Feet.....	32,242,734	59,950,369	22,410,872
Value.....	\$5,265,318	\$8,222,239	\$2,534,646
Brake lining, quantity or kind not reported, i. e., molded or not molded (see "Brake lining, not molded" and "Molded asbestos brake lining," above), value.....	\$3,061,070	\$615,648	\$5,484,654
Molded clutch facings:			
Pieces.....	( <sup>5</sup> )	{ 40,202,265	{ ( <sup>6</sup> )
Value.....		{ \$3,224,002	
Molded asbestos blocks:			
Board feet.....	3,008,657	3,185,277	
Value.....	\$1,354,648	\$815,008	
Molded 85 percent magnesia blocks:			
Board feet.....	20,077,451	21,384,746	21,479,103
Value.....	\$2,020,778	\$1,952,803	\$2,457,337
Pipe and boiler covering, aircell asbestos:			
Linear feet.....	37,347,902	31,132,243	67,331,323
Value.....	\$2,914,106	\$2,011,317	\$4,657,066
Pipe and boiler covering, asbestos, other than aircell:			
Linear feet.....	12,417,543	16,189,378	27,086,503
Value.....	\$2,060,148	\$2,281,338	\$2,516,009
Pipe and boiler covering, 85 percent magnesia:			
Linear feet.....	18,687,492	22,325,857	23,959,209
Value.....	\$3,331,957	\$3,133,637	\$3,045,324
Asbestos insulating cement:			
Pounds.....	52,846,933	39,698,757	68,472,386
Value.....	\$766,490	\$681,380	\$917,846
85 percent magnesia cement:			
Pounds.....	2,278,081	3,474,907	2,725,244
Value.....	\$117,611	\$153,304	\$100,118
Table mats and protectors:			
Pounds.....	1,578,865	898,043	1,615,631
Value.....	\$592,895	\$456,873	\$766,222
Other asbestos products, value.....	\$14,216,345	\$7,556,624	\$6,105,960
Gaskets other than asbestos-textile and cork, value.....	\$16,579,840	\$11,408,346	\$15,741,964
Metallic and semimetallic packing, value.....	\$3,106,271	\$5,330,976	\$3,066,578
Packing (for steam-pipe joints, air compressors, etc.) other than metallic, semimetallic, and packings listed under "Asbestos textiles," value.....	\$7,774,875	\$8,284,002	\$11,658,468

<sup>1</sup> Revised.  
<sup>2</sup> Includes an indeterminable amount of molded clutch facings because the 1929 schedule did not call for this item separately.  
<sup>3</sup> No data.  
<sup>4</sup> Withheld to avoid disclosing approximations of data for individual establishments. Value included in "Other asbestos building materials."  
<sup>5</sup> Includes, in order of value, other asbestos siding, including siding shingles; plain asbestos lumber; and asbestos flexible roofing.  
<sup>6</sup> Withheld to avoid disclosing approximations of data for individual establishments. Value included in "Other asbestos products."  
<sup>7</sup> Includes the value of an indeterminate quantity of "Pipe and boiler covering" reported as other than asbestos or magnesia.  
<sup>8</sup> Includes, in order of value, conduits and ducts (asbestos compositions), molded clutch facings, paper, and high temperature cements.  
<sup>9</sup> In addition, cork gaskets valued at \$2,275,959 for 1939 and \$813,711 for 1937 were reported by manufacturers classified in the "Cork products" industry. No data available for 1929.  
<sup>10</sup> Figures include value of leather packing made by establishments classified in the "Industrial leather: belting and packing leather" industry, as follows: 1939, \$4,172,317; 1937, \$4,300,685; and 1929, \$3,725,710.

TABLE 6.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939

KIND AND STATE	1939	
	Quantity	Value
Asbestos textiles:		
Yarn (Ill., Mass., N. J., N. Y., N. C., Pa., and S. C.).....	<i>Pounds</i> 7,922,729	\$2,632,826
Cloth, total.....	5,262,966	1,812,795
Pennsylvania.....	623,635	214,167
Other States (Calif., Ga., Ill., Ind., Mass., N. J., N. Y., N. C., Ohio, S. C., and Tex.).....	4,639,331	1,598,628
Tape, listings, and tubular lagging, total.....	2,211,805	1,173,605
Pennsylvania.....	454,373	331,192
Other States (Calif., Ill., Ind., Mass., N. J., N. C., and S. C.).....	1,757,432	842,413
Brake linings (not molded), total.....	<i>Linear feet</i> 28,570,312	6,051,005
Illinois.....	676,700	141,594
New Jersey.....	5,752,846	1,399,144
North Carolina.....	2,315,761	282,888
Other States (Calif., Conn., Ind., Mass., Mich., N. Y., Oreg., Pa., and S. C.).....	19,825,005	4,227,379
Clutch facings (not molded) (Calif., Conn., Ind., Mass., N. J., Oreg., and Pa.).....	<i>Pieces</i> 9,083,974	2,445,652
Packing, compressed sheet (Conn., Ga., Ill., Mass., N. J., N. Y., Ohio, Pa., and Tex.).....	<i>Pounds</i> 5,447,877	1,204,593
Packing, fabric, flat (Ga., Ill., N. J., Ohio, Pa., S. C., and Tex.).....	1,655,814	517,806
Packing, woven and molded to special sections (with or without other materials), total.....	2,693,583	1,523,766
California.....	17,432	9,094
Pennsylvania.....	899,719	410,838
Other States (Ala., Colo., Ga., Ill., Mass., Mich., N. J., N. Y., N. C., Ohio, and S. C.).....	1,776,432	1,103,834
Gaskets, total.....	1,320,517	681,476
California.....	96,811	48,497
Illinois.....	104,031	62,873
Pennsylvania.....	383,760	205,354
Other States (Ala., Colo., Conn., Ind., Mass., Mich., Minn., Mo., N. J., N. Y., Ohio, Okla., S. C., Tex., and Wis.).....	744,855	364,752
Roving (Calif., Mass., N. J., N. C., Pa., and S. C.).....	4,437,011	1,017,959
Other asbestos textiles (Calif., Mass., N. J., N. Y., N. C., Ohio, Pa., and S. C.).....	1,996,939	1,996,939
Asbestos building materials:		
Asbestos roofing shingles (Ala., Calif., Ill., Ind., La., Mo., N. J., N. Y., Ohio, and Pa.).....	<i>Squares</i> 663,514	4,599,405
Asbestos lumber (corrugated) (Ill., La., Mo., N. J., Ohio, and Pa.).....	<i>Square feet</i> 7,551,117	844,874
Other asbestos building materials, total.....	111,206,608	3,545,486
New Jersey.....	7,661,122	7,661,122
Other States (Ala., Calif., Conn., Ill., Ind., La., Mass., Mo., N. H., Ohio, and Pa.).....		
Asbestos products other than textiles and building materials:		
Millboard, total.....	<i>Pounds</i> 18,274,470	867,302
Pennsylvania.....	7,604,739	387,392
Other States (Conn., Ill., Mich., Ohio, and Tex.).....	10,669,731	479,910
Molded asbestos brake lining, total.....	<i>Linear feet</i> 32,242,734	5,265,318
Indiana.....	4,168,198	530,584
Other States (Calif., Conn., Ill., Mass., N. J., N. Y., Oreg., and Pa.).....	28,074,536	4,734,734
Brake lining, quantity or kind not reported, i. e., molded or not molded (Calif., Conn., N. J., Ohio, Oreg., and Pa.).....		3,061,070
Molded asbestos blocks (Calif., Ill., Mo., N. J., and Pa.).....	<i>Board feet</i> 3,008,657	1,354,648

TABLE 6.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY STATES: 1939—Continued

KIND AND STATE	1939	
	Quantity	Value
Asbestos products other than textiles and building materials—Continued.		
Molded 85 percent magnesia blocks (Calif., Ill., N. J., Ohio, and Pa.).....	<i>Board feet</i> 20,077,451	\$2,020,778
Pipe and boiler covering, aircell asbestos, total.....	<i>Linear feet</i> 37,347,902	2,914,106
New Jersey.....	7,351,014	582,814
Pennsylvania.....	11,280,091	901,843
Other States (Calif., Ill., Mass., Mich., Minn., Mo., N. Y., Ohio, Wash., and Wis.).....	18,716,797	1,429,449
Pipe and boiler covering, asbestos other than aircell, total.....	12,417,543	2,090,148
Illinois.....	5,481,337	1,251,717
Other States (Calif., Mass., Minn., Mo., N. J., N. Y., Ohio, Pa., Wash., and Wis.).....	6,936,206	838,431
Pipe and boiler covering, 85 percent magnesia (Calif., Ill., N. J., Ohio, Pa., and Vt.).....	18,687,492	2,331,957
Asbestos insulating cements, total.....	<i>Pounds</i> 52,846,933	766,490
Pennsylvania.....	6,760,967	186,391
Other States (Calif., Ill., Md., Minn., Mo., N. J., N. Y., and Ohio).....	46,085,966	580,099
85 percent magnesia cement (Calif., Ill., Md., N. J., N. Y., Ohio, and Pa.).....	2,278,081	117,611
Table mats and protectors, total.....	1,578,865	592,895
Illinois.....	964,050	290,412
Other States (Calif., Mich., Mo., N. Y., Ohio, Pa., and Tex.).....	614,815	302,483
Other asbestos products, total <sup>1</sup> .....		14,216,345
Illinois.....		2,934,459
Massachusetts.....		71,064
New Jersey.....		4,103,006
Ohio.....		671,201
Pennsylvania.....		2,555,505
Other States (Calif., Colo., Conn., Ind., Ky., Md., Mich., Mo., N. H., N. Y., Oreg., S. C., Tex., Wash., and Wis.).....		3,881,110
Gaskets other than asbestos-textile and cork, total <sup>2</sup> .....		16,579,840
California.....		311,926
Illinois.....		5,632,608
Michigan.....		6,175,290
New Jersey.....		616,342
Ohio.....		309,131
Other States (Ala., Conn., Iowa, La., Mass., Mo., N. Y., Pa., Tex., and Wis.).....		3,534,543
Metallic and semimetallic packing, total.....		3,106,271
New Jersey.....		60,188
New York.....		630,456
Pennsylvania.....		589,690
Other States (Ga., Ill., Ky., La., Md., Mass., Mich., Nebr., Ohio, Tex., and Wash.).....		1,825,937
Packing (for steam-pipe joints, air compressors, etc.) other than metallic, semimetallic, and packings listed under "Asbestos textiles," total <sup>3</sup> .....		7,774,875
California.....		147,012
Illinois.....		2,454,595
Massachusetts.....		769,213
Michigan.....		407,098
New York.....		1,913,857
Pennsylvania.....		1,010,123
Other States (Ala., Colo., Conn., Del., Ga., La., Minn., Nebr., N. H., N. J., N. C., Ohio, Oreg., R. I., Tenn., Tex., and Wis.).....		1,072,977

<sup>1</sup> Includes, in order of value, other asbestos siding, including siding shingles; plain asbestos lumber; and asbestos flexible roofing.

<sup>2</sup> Includes the value of an indeterminate quantity of "Pipe and boiler covering" reported as other than asbestos or magnesia.

<sup>3</sup> Includes, in order of value, conduits and ducts (asbestos compositions), molded clutch facings, paper, and high temperature cements.

<sup>4</sup> In addition, cork gaskets valued at \$2,275,959 were reported by manufacturers classified in the "Cork products" industry.

<sup>5</sup> Figures include leather packings made by establishments classified in the "Industrial leather belting and packing leather" industry, valued at \$4,172,317.

TABLE 7.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE INDUSTRIES, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
<b>ASBESTOS PRODUCTS (EXCEPT STEAM PACKING AND PIPE AND BOILER COVERING)</b>													
United States:													
1939.....	9,979	9,234	9,371	9,397	9,743	9,538	9,817	9,700	9,952	10,298	10,801	10,937	10,875
1937.....	13,023	12,037	12,275	12,049	12,967	13,418	13,920	14,018	14,071	13,977	13,540	12,414	10,991
1929.....	8,092	7,567	7,809	8,019	8,284	8,461	8,481	8,550	8,742	8,543	8,060	7,556	7,038
California.....	185	189	209	207	210	193	196	188	182	183	159	154	145
Connecticut.....	790	642	692	749	766	796	778	795	841	853	846	800	860
Illinois.....	1,512	1,252	1,404	1,457	1,533	1,446	1,516	1,506	1,529	1,516	1,663	1,659	1,658
Indiana.....	516	478	513	502	520	552	571	501	498	528	535	502	496
Massachusetts.....	162	136	155	172	173	170	165	156	155	143	104	176	182
Michigan.....	215	228	223	218	210	211	175	174	194	229	239	240	234
Missouri.....	549	564	547	476	485	499	589	586	600	579	566	562	532
New Jersey.....	2,333	2,235	2,126	2,133	2,369	2,195	2,323	2,281	2,340	2,473	2,599	2,471	2,454
New York.....	126	89	106	110	97	86	88	70	119	150	198	205	194
North Carolina.....	401	358	351	351	354	350	357	360	350	410	505	525	525
Ohio.....	415	430	426	425	421	417	414	412	415	413	388	408	408
Pennsylvania.....	1,665	1,617	1,572	1,573	1,540	1,537	1,571	1,595	1,627	1,688	1,842	1,913	1,908
<b>STEAM AND OTHER PACKING; PIPE AND BOILER COVERING</b>													
United States:													
1939.....	5,907	5,499	5,619	5,732	5,492	5,703	5,731	5,828	5,761	6,065	6,392	6,619	6,437
1937.....	5,934	5,940	6,031	6,384	6,413	6,194	6,000	6,037	5,900	5,875	5,725	5,537	5,036
California.....	277	276	277	278	272	283	286	273	273	270	276	279	280
Illinois.....	1,186	1,112	1,221	1,234	1,083	1,118	1,152	1,212	1,217	1,231	1,202	1,222	1,224
Massachusetts.....	141	123	123	123	124	124	133	143	138	143	156	170	151
Michigan.....	1,044	1,013	1,015	1,071	1,023	1,017	988	1,003	1,013	1,029	1,111	1,116	1,133
New Jersey.....	150	152	149	136	134	140	148	156	157	152	159	161	152
New York.....	862	762	773	803	826	828	833	838	842	868	975	1,016	985
Ohio.....	222	198	206	204	220	239	221	214	216	203	256	260	227
Pennsylvania.....	1,324	1,195	1,196	1,215	1,139	1,265	1,268	1,262	1,357	1,408	1,502	1,613	1,464
Washington.....	10	18	16	13	7	9	9	8	12	9	7	8	8

TABLE 8.—EXPENDITURES FOR PLANT AND EQUIPMENT FOR THE INDUSTRIES: 1939

	Asbestos Products (Except Steam Packing and Pipe and Boiler Covering) industry	Steam and Other Packing; Pipe and Boiler Covering industry
<b>Number of establishments:</b>		
Total for the industry.....	79	134
Reporting expenditures for plant and equipment.....	56	83
<b>Value of products:</b>		
Total for the industry.....	\$60,774,252	\$37,170,483
Reporting expenditures for plant and equipment.....	58,940,461	33,334,955
<b>Expenditures for plant and equipment:</b>		
Total for the industry.....	1,993,750	843,835
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	364,905	275,160
Expenditures for new machinery and operating equipment.....	1,438,394	563,585
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	190,451	5,090

TABLE 9.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS FOR THE INDUSTRIES: 1939 AND 1937

	ASBESTOS PRODUCTS (EXCEPT STEAM PACKING AND PIPE AND BOILER COVERING) INDUSTRY		STEAM AND OTHER PACKING; PIPE AND BOILER COVERING INDUSTRY	
	1939	1937	1939	1937
<b>Inventories:</b>				
Beginning of year, total.....	\$12,602,494	\$12,156,356	\$6,155,684	\$5,516,903
Finished products.....	6,141,739	5,545,908	2,767,301	2,601,117
Materials, supplies, etc.....	6,460,755	6,610,448	3,388,383	2,915,786
End of year, total.....	13,837,661	15,946,688	7,044,260	6,580,363
Finished products.....	6,184,151	7,404,824	2,855,548	3,322,695
Materials, supplies, etc.....	7,653,510	8,542,064	4,188,712	3,257,668
<b>Value of products for the industry, total.....</b>	<b>60,774,252</b>	<b>63,793,752</b>	<b>37,170,483</b>	<b>32,553,818</b>
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	60,765,770	63,430,564	35,984,745	32,054,063
Value for establishments not reporting inventories.....	8,482	363,188	1,185,738	499,755

## CENSUS OF MANUFACTURES: 1939

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY, FOR THE INDUSTRIES: 1939 AND 1929

	ASBESTOS PRODUCTS (EXCEPT STEAM PACKING AND PIPE AND BOILER COVER- ING)		STEAM AND OTHER PACKING; PIPE AND BOILER COVERING	
	1939	1929	1939	1929
Number of establishments.....	79	67	134	171
Number of establishments reporting power equipment.....	77	57	130	165
Prime movers, aggregate:				
Number.....	27	29	37	62
Horsepower.....	21,290	11,945	11,898	14,349
Prime movers, driving generators, total—				
Number.....	13	129	11	162
Horsepower.....	20,110	11,945	11,061	14,349
Steam engines—				
Number.....	3	110	1	138
Horsepower.....	535	1,645	237	7,714
Steam turbines—				
Number.....	10	12	6	10
Horsepower.....	19,575	9,840	10,704	6,050
Diesel and semi-Diesel engines—				
Number.....		5	4	11
Horsepower.....		170	120	365
Other internal-combustion en- gines <sup>2</sup> —				
Number.....				
Horsepower.....				
Hydroturbines and water wheels—				
Number.....		2		4
Horsepower.....		200		220
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	135		237	
Prime movers not driving gener- ators, total—				
Number.....	14		26	
Horsepower.....	1,180		837	
Steam engines—		(3)		(4)
Number.....	2		15	
Horsepower.....	40		267	
Steam turbines—				
Number.....	9		5	
Horsepower.....	1,010		326	
Diesel and semi-Diesel engines—				
Number.....	1		1	
Horsepower.....	60		150	

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY, FOR THE INDUSTRIES: 1939 AND 1929—Con.

	ASBESTOS PRODUCTS (EXCEPT STEAM PACKING AND PIPE AND BOILER COVER- ING)		STEAM AND OTHER PACKING; PIPE AND BOILER COVERING	
	1939	1929	1939	1929
Prime movers—Continued.				
Prime movers not driving gener- ators—Continued.				
Other internal-combustion en- gines <sup>2</sup> —				
Number.....	2		5	
Horsepower.....	70	(3)	94	(3)
Prime movers not driving gener- ators, ordinarily idle (included above), horsepower.....	80		12	
Generators, kilowatt rating, total....	13,452	12,625	7,904	6,034
Generators, driven by—				
Steam engines, kilowatt rating.....	402		160	
Steam turbines, kilowatt rat- ing.....	13,050	(3)	7,675	(3)
Internal-combustion engines, <sup>2</sup> other than Diesel and semi- Diesel, kilowatt rating.....			69	
Generators, ordinarily idle (in- cluded above), kilowatt rating....	102	(4)	160	(4)
Electric motors, total:				
Number.....	8,584	4,378	5,244	3,010
Horsepower.....	68,276	52,978	26,347	25,418
Driven by purchased energy—				
Number.....	5,187	2,894	4,103	2,184
Horsepower.....	38,123	28,513	17,081	16,532
Driven by energy generated in es- tablishments reporting—				
Number.....	3,397	1,484	1,141	826
Horsepower.....	30,153	24,465	9,266	8,886
Electric energy (kilowatt-hours):				
Generated in plant.....	33,818,139	(4)	19,964,236	(4)
Sold.....	421,680	(3)	54,749	(3)
Purchased.....	63,365,433	44,918,551	17,846,847	40,342,245

<sup>1</sup> Includes data for prime movers not driving generators.<sup>2</sup> Gas, gasoline, etc.<sup>3</sup> Not called for on schedule.<sup>4</sup> Data not available.

# NATURAL GRAPHITE, GROUND AND REFINED

[A preliminary report for this industry was issued November 26, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the extraction from the ore or the refining of natural graphites (plumbago or black lead).

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1899 TO 1939**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1899.....	6	56	\$65,530	\$851,893	\$1,251,206	\$399,313	465
1907.....	6	56	73,917	728,573	1,077,529	343,956	(5)
1935.....	9	266	261,306	942,462	2,122,271	1,178,809	(9)
1939.....	10	168	146,320	762,878	1,489,610	728,732	(5)
1931.....	9	183	183,040	975,974	1,901,920	985,946	(5)
1929.....	11	494	627,235	1,457,860	3,759,969	2,302,109	720
1927.....	13	289	340,510	1,319,161	2,931,584	1,612,423	1,660
1925.....	11	228	278,224	1,328,188	2,569,487	1,241,289	1,660
1923.....	8	244	304,437	1,082,018	2,184,609	1,102,591	(5)
1921.....	11	152	185,468	703,441	1,456,864	753,423	(5)
1919.....	24	497	434,317	1,092,684	2,239,587	1,146,903	3,176
1914.....	11	250	181,125	723,190	1,724,330	1,001,140	2,172
1909.....	9	162	88,768	405,479	1,139,587	734,108	1,391
1904.....	11	218	107,810	117,300	342,379	228,079	922
1899.....	11	137	64,376	216,560	429,173	212,613	805

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

**TABLE 2.—GENERAL STATISTICS IN DETAIL FOR THE UNITED STATES: 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States <sup>1</sup>
Number of establishments <sup>2</sup> .....	6
Proprietors and firm members.....	2
Persons reported by manufacturing establishments, total <sup>3</sup> .....	88
Salaried officers of corporations <sup>4</sup> .....	4
Manufacturing:	
Salaried employees <sup>5</sup> .....	14
Wage earners (average for the year) <sup>6</sup> .....	56
Distribution.....	14
Construction.....	
Other.....	
Salaries and wages, total <sup>7</sup> .....	\$163,142
Salaried officers <sup>8</sup> .....	31,683
Manufacturing:	
Salaries <sup>9</sup> .....	38,490
Wages.....	65,530
Distribution.....	27,439
Construction.....	
Other.....	
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	851,893
Materials, supplies, and containers.....	838,544
Fuel.....	5,266
Purchased electric energy.....	8,083
Contract work.....	
Value of products.....	1,251,206
Value added by manufacture <sup>10</sup> .....	399,313

<sup>1</sup> California, 1 establishment; Illinois, 1; Michigan, 1; New Jersey, 1; New York, 1; and Pennsylvania, 1.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—PRODUCTS FOR THE UNITED STATES: 1939 AND 1937**

**TABLE 4.—PRODUCTS BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937**

The Bureau of the Census collects no production data in detail for this industry; therefore, there are no figures for tables 3 and 4.

**TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—															
		January	February	March	April	May	June	July	August	September	October	November	December				
United States:																	
1939.....	56	52	53	51	53	54	54	56	55	54	57	65	62				
1937.....	56	55	61	61	61	64	63	54	52	52	51	49	47				
1929.....	494	353	371	366	492	532	570	574	594	719	694	405	260				

**TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939**

	1939
Number of establishments:	
Total for the industry.....	6
Reporting expenditures for plant and equipment.....	5
Value of products:	
Total for the industry.....	\$1,251,206
Reporting expenditures for plant and equipment.....	913,723
Expenditures for plant and equipment:	
Total for the industry.....	21,009
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	2,629
Expenditures for new machinery and operating equipment.....	18,105
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	276

**TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937**

	1939	1937
Inventories:		
Beginning of year, total.....	\$285,772	\$193,502
Finished products.....	96,315	54,903
Materials, supplies, etc.....	189,457	138,599
End of year, total.....	254,619	244,683
Finished products.....	88,820	72,238
Materials, supplies, etc.....	165,799	172,445
Value of products for the industry, total.....	1,251,206	1,077,529
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	1,251,206	743,061
Value for establishments not reporting inventories.....		334,468

## CENSUS OF MANUFACTURES: 1939

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929		1939	1929
Number of establishments.....	6	11	Prime movers—Continued.		
Number of establishments reporting power equipment.....	6	11	Prime movers, hydroturbines and water wheels, not driving generators—		
Prime movers, aggregate:			Number.....	6	
Number.....	6	6	Horsepower.....	465	
Horsepower.....	465	720	Generators, kilowatt rating, total.....		51
Prime movers, driving generators, total—			Electric motors, total:		
Number.....		16	Number.....	63	170
Horsepower.....		1 720	Horsepower.....	748	2, 444
Diesel and semi-Diesel engines—			Driven by purchased energy—		
Number.....		11	Number.....	63	169
Horsepower.....			Horsepower.....	748	2, 436
Other internal-combustion engines <sup>1</sup> —			Driven by energy generated in establishments reporting—		
Number.....		1 70	Number.....		1
Horsepower.....			Horsepower.....		8
Hydroturbines and water wheels—			Electric energy purchased (kilowatt-hours).....	246, 876	1, 799, 127
Number.....		15			
Horsepower.....		1 650			

<sup>1</sup> Includes data for prime movers not driving generators.<sup>2</sup> Gas, gasoline, etc.

# MINERALS AND EARTHS, GROUND OR OTHERWISE TREATED

[A preliminary report for this industry was issued December 12, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the grinding, pulverizing, or treating of certain earths, rocks, or minerals such as barium, barytes, borax, chalk, clays, cornwall stone, corundum, emery, feldspar, kaolin, mica, pumice, quartz, silica, and talc.

Because establishments treating minerals and earths mined or quarried by themselves were eliminated from the canvass at the census for 1929, there are no figures comparable with those for earlier years.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1929 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1939	237	5,858	\$5,749,781	\$14,659,619	\$38,903,146	\$24,243,527	17,871
1937	157	4,539	4,897,581	11,612,565	27,100,982	15,548,417	(5)
1935	161	4,258	3,614,118	8,919,138	21,544,977	12,625,839	(5)
1933	107	1,874	1,564,546	4,389,305	9,684,088	5,294,783	(5)
1931	88	1,090	1,126,538	3,817,099	7,294,937	3,477,868	(5)
1929 <sup>5</sup>	88	1,679	2,187,923	8,937,883	17,409,056	8,471,173	2,832

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

<sup>7</sup> No comparable data for years prior to 1929.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Florida	Georgia	Illinois	Maine	Maryland	Missouri	New Hampshire	New Jersey
Number of establishments <sup>1</sup>	237	19	3	12	12	4	6	8	4	7
Proprietors and firm members	39	7				1	2			
Persons reported by manufacturing establishments, total <sup>2</sup>	6,970	597	83	396	393	55	105	143	121	132
Salaried officers of corporations <sup>3</sup>	197	7	3	15	12	1	2	10	6	15
Manufacturing:										
Salaried employees <sup>4</sup>	654	109	6	42	23	9	5	21	13	19
Wage earners (average for the year) <sup>5</sup>	5,858	460	72	337	321	43	98	109	96	83
Distribution	174	11	2	2	37				6	13
Construction	81	10				2		2		2
Other	6							1		
Salaries and wages, total <sup>6</sup>	\$8,336,637	\$831,884	\$45,493	\$319,771	\$491,294	\$54,322	\$97,524	\$242,700	\$155,530	\$260,102
Salaried officers <sup>7</sup>	820,806	28,546	7,650	22,200	71,460	9,905	2,785	42,565	32,650	93,513
Manufacturing:										
Salaries <sup>8</sup>	1,261,354	215,418	8,079	80,628	40,285	16,608	9,880	35,604	26,713	40,467
Wages	5,749,781	555,017	29,224	212,967	324,108	25,748	84,859	160,898	86,293	94,117
Distribution	389,495	17,131	540	3,976	55,451				9,874	28,005
Construction	108,000	15,772				2,061		3,033		4,000
Other	7,201							600		
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	14,659,619	1,834,312	23,963	554,202	852,879	104,369	112,207	242,356	104,610	456,231
Materials, supplies, and containers	12,234,117	1,607,672	11,371	351,068	700,987	85,289	67,017	142,996	75,314	386,189
Fuel	990,770	101,709	5,655	66,161	77,268	2,940	10,843	73,310	3,907	11,471
Purchased electric energy	1,263,361	116,772	2,913	71,427	66,620	16,140	26,682	26,060	25,389	58,279
Contract work	171,371	8,169	4,024	65,546	8,004			7,665		292
Value of products	38,903,146	5,131,771	106,199	1,294,562	2,209,833	239,521	345,874	768,624	297,286	1,057,144
Value added by manufacture <sup>9</sup>	24,243,527	3,297,459	82,236	740,360	1,356,954	135,152	233,667	521,268	192,676	600,913

See footnotes at end of table.

## CENSUS OF MANUFACTURES: 1939

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued

ITEM	New York	North Carolina	Ohio	Pennsylvania	South Carolina	Tennessee	Texas	Virginia	Other States <sup>1</sup>
Number of establishments <sup>1</sup> .....	28	16	20	27	4	8	10	4	45
Proprietors and firm members.....	3	3	2	3	1	-----	2	2	13
Persons reported by manufacturing establishments, total <sup>2</sup> .....	1,038	470	505	748	125	250	389	148	1,273
Salaried officers of corporations <sup>2</sup> .....	30	12	4	22	4	5	8	3	38
Manufacturing:									
Salaried employees <sup>2</sup> .....	76	45	48	68	10	16	24	7	113
Wage earners (average for the year) <sup>3</sup> .....	801	407	439	661	111	216	341	96	1,088
Distribution.....	26	2	14	6	-----	13	16	6	20
Construction.....	11	4	-----	1	-----	-----	-----	36	13
Other.....	4	-----	-----	-----	-----	-----	-----	-----	1
Salaries and wages, total <sup>2</sup> .....	\$1,266,021	\$325,331	\$676,779	\$1,045,406	\$76,319	\$302,633	\$405,373	\$100,510	\$1,639,645
Salaried officers <sup>2</sup> .....	172,654	33,014	10,900	90,549	9,947	23,200	53,900	11,000	104,378
Manufacturing:									
Salaries <sup>2</sup> .....	160,660	59,683	95,333	152,515	13,883	24,521	46,964	13,113	221,000
Wages.....	801,257	228,915	530,320	776,326	52,489	170,991	276,884	56,575	1,222,793
Distribution.....	51,614	2,284	40,226	23,106	-----	83,921	27,625	6,708	38,924
Construction.....	14,203	1,435	-----	2,800	-----	-----	-----	13,114	51,832
Other.....	5,633	-----	-----	-----	-----	-----	-----	-----	968
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	1,717,655	555,972	857,836	2,310,667	57,513	426,700	741,056	223,101	3,483,990
Materials, supplies, and containers.....	1,508,048	494,333	614,576	2,032,384	38,666	364,501	618,926	183,657	2,951,123
Fuel.....	43,073	22,073	144,427	96,351	7,820	11,410	48,507	9,840	254,199
Purchased electric energy.....	149,756	37,763	98,833	168,245	11,027	50,789	32,074	26,154	278,448
Contract work.....	16,772	1,803	-----	13,687	-----	-----	41,549	3,650	220
Value of products.....	4,895,507	1,323,729	2,955,327	4,684,895	242,685	1,441,636	2,473,578	540,313	8,899,662
Value added by manufacture <sup>4</sup> .....	3,177,852	767,757	2,097,491	2,374,228	185,172	1,014,936	1,732,522	317,212	5,415,672

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.<sup>2</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.<sup>3</sup> See GENERAL EXPLANATIONS—Wage earners and wages.<sup>4</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.<sup>5</sup> Alabama, 2 establishments; Arizona, 2; Arkansas, 2; Colorado, 3; Connecticut, 2; Delaware, 1; Indiana, 2; Kansas, 2; Kentucky, 2; Massachusetts, 2; Michigan, 1; Mississippi, 1; Nebraska, 2; New Mexico, 2; South Dakota, 3; Utah, 1; Vermont, 5; Washington, 2; West Virginia, 3; Wisconsin, 2; Wyoming, 3.

TABLE 3.—PRODUCTS FOR THE UNITED STATES: 1939 AND 1937

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

No production statistics are collected for this industry for the Census of Manufactures; therefore, there are no figures for tables 3 and 4.

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	5,858	5,189	5,125	5,386	5,678	5,841	5,940	5,981	6,105	6,278	6,409	6,287	6,081
1937.....	4,539	4,060	4,208	4,513	4,894	4,874	4,695	4,848	4,792	4,841	4,753	4,204	3,789
1929.....	1,679	1,603	1,618	1,636	1,678	1,681	1,683	1,714	1,750	1,740	1,751	1,707	1,694
California.....	460	400	394	436	440	443	443	427	447	472	528	542	543
Colorado.....	32	24	26	31	37	44	41	39	33	34	22	23	28
Florida.....	72	49	52	51	41	48	82	129	111	112	63	58	70
Georgia.....	337	341	323	324	354	344	321	323	331	347	354	333	342
Illinois.....	321	283	283	287	321	338	337	346	336	337	331	327	322
Maine.....	43	43	46	47	41	38	47	57	47	38	38	35	40
Maryland.....	98	68	71	73	104	101	99	101	114	122	105	105	109
Missouri.....	109	112	105	106	107	109	107	105	105	105	109	118	119
New Hampshire.....	96	93	78	88	107	112	102	99	130	94	95	79	71
New Jersey.....	83	78	79	81	81	82	78	83	82	85	84	90	89
New York.....	891	821	813	793	805	890	918	905	937	955	1,040	940	877
North Carolina.....	407	386	373	392	420	393	383	361	416	429	446	447	438
Ohio.....	439	399	401	407	420	419	431	432	439	454	488	507	476
Pennsylvania.....	651	560	509	570	648	663	686	684	673	702	721	708	688
South Carolina.....	111	100	100	107	100	111	114	104	122	118	115	119	122
Tennessee.....	216	169	177	194	211	227	220	230	234	252	240	225	199
Texas.....	341	319	353	358	372	351	344	358	335	322	309	338	332
Vermont.....	190	164	170	203	197	214	218	173	182	179	193	195	191
Virginia.....	96	66	66	76	80	89	90	91	91	117	134	124	132
Wyoming.....	46	35	33	33	42	44	58	55	52	47	58	50	51

<sup>1</sup> Revised.

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	237
Reporting expenditures for plant and equipment.....	143
Value of products:	
Total for the industry.....	\$38,903,146
Reporting expenditures for plant and equipment.....	30,610,632
Expenditures for plant and equipment:	
Total for the industry.....	1,772,899
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	665,165
Expenditures for new machinery and operating equipment.....	1,006,701
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	98,933
Expenditures unclassified.....	2,100

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$4,741,822	\$4,129,459
Finished products.....	2,529,469	1,838,016
Materials, supplies, etc.....	2,212,353	2,291,443
End of year, total.....	4,902,709	4,679,017
Finished products.....	2,406,494	2,035,780
Materials, supplies, etc.....	2,496,215	2,643,237
Value of products for the industry, total.....	38,903,146	27,160,982
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	35,601,778	26,568,476
Value for establishments not reporting inventories.....	3,301,368	592,506

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929		1939	1929
Number of establishments.....	237	88	Prime movers—Continued.		
Number of establishments reporting power equipment.....	236	86		Prime movers not driving generators—Continued.	
Prime movers, aggregate:			Diesel and semi-Diesel engines—		
Number.....	223	27	Number.....	23	
Horsepower.....	17,871	2,832	Horsepower.....	2,187	
Prime movers, driving generators, total—			Other internal-combustion engines <sup>2</sup> —		
Number.....	32	127	Number.....	82	
Horsepower.....	6,988	12,832	Horsepower.....	2,069	
Steam engines—			Hydroturbines and water wheels—		( <sup>3</sup> )
Number.....	7	114	Number.....	7	
Horsepower.....	680	11,635	Horsepower.....	684	
Steam turbines—			Prime movers not driving generators, ordinarily idle (included above), horsepower.....	1,075	
Number.....		11	Generators, kilowatt rating, total.....	4,104	50
Horsepower.....		185	Generators, driven by—		
Diesel and semi-Diesel engines—			Steam engines, kilowatt rating.....	390	
Number.....	20		Diesel and semi-Diesel engines, kilowatt rating.....	3,364	( <sup>3</sup> )
Horsepower.....	5,008		Hydroturbines and water wheels, kilowatt rating.....	350	
Other internal-combustion engines <sup>2</sup> —		17	Generators, ordinarily idle (included above), kilowatt rating.....	1,200	( <sup>4</sup> )
Number.....		1,882	Electric motors, total:		
Horsepower.....			Number.....	4,831	1,251
Hydroturbines and water wheels—			Horsepower.....	87,329	36,359
Number.....	5	15	Driven by purchased energy—		
Horsepower.....	1,300	1,630	Number.....	4,626	1,245
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	1,823		Horsepower.....	84,687	36,285
Prime movers not driving generators, total—		( <sup>3</sup> )	Driven by energy generated in establishments reporting—		
Number.....	191		Number.....	205	6
Horsepower.....	10,883		Horsepower.....	2,742	74
Steam engines—			Electric energy (kilowatt-hours):		
Number.....	78		Generated in plant.....	4,201,977	( <sup>4</sup> )
Horsepower.....	5,906		Purchased.....	98,745,502	74,219,548
Steam turbines—					
Number.....	1				
Horsepower.....	37				

<sup>1</sup> Includes data for prime movers not driving generators.  
<sup>2</sup> Gas, gasoline, etc.

<sup>3</sup> Not called for on schedule.  
<sup>4</sup> Data not available.

# SAND-LIME BRICK, BLOCK AND TILE

[A preliminary report for this industry was issued November 22, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of sand-lime brick, block and tile.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1914 TO 1939**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, and purchased electric energy	Value of products	Value added by manufacture <sup>3</sup>	Horse-power of prime movers
1939.....	27	346	\$414,466	\$637,730	\$1,915,878	\$1,278,148	800
1937.....	23	414	460,336	545,215	1,617,804	1,072,589	(4)
1935.....	20	227	198,503	269,552	654,069	384,517	(5)
1933.....	10	84	61,064	74,039	205,129	131,090	(4)
1931.....	31	322	356,853	461,418	1,267,538	806,120	(4)
1929.....	40	566	776,202	944,534	2,970,923	2,026,389	1,717
1927.....	45	790	1,051,495	1,157,965	3,616,456	2,458,491	3,848
1925.....	41	801	1,118,634	1,237,970	3,759,729	2,521,759	3,743
1923.....	31	582	697,850	945,931	2,408,106	1,462,175	3,053
1921.....	26	374	361,132	500,689	1,220,425	719,736	(4)
1919.....	32	504	501,854	575,402	1,663,052	1,087,650	3,818
1914 <sup>4</sup> .....	45	557	321,956	350,484	994,199	643,715	5,267

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>3</sup> Value of products less cost of materials, supplies, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value added by manufacture.  
<sup>4</sup> Not called for on schedule. <sup>5</sup> No comparable data for years prior to 1914.  
<sup>6</sup> Data not available.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Michigan	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	27	4	3	20
Proprietors and firm members.....	9		4	5
Persons reported by manufacturing establishments, total <sup>3</sup> .....	429	75	6	347
Salaried officers of corporations <sup>4</sup> .....	16	3		13
Manufacturing:				
Salaried employees <sup>5</sup> .....	26	7		19
Wage earners (average for the year) <sup>6</sup> .....	346	51	6	288
Distribution.....	34	10		24
Construction.....	7	4		3
Other.....				
Salaries and wages, total <sup>7</sup> .....	\$579,867	\$88,091	\$7,135	\$484,641
Salaried officers <sup>8</sup> .....	43,209	9,213		33,996
Manufacturing:				
Salaries <sup>9</sup> .....	42,415	9,679		32,736
Wages.....	414,466	51,853	7,135	355,478
Distribution.....	74,960	16,846		58,114
Construction.....	4,817	500		4,317
Other.....				
Cost of materials, supplies, fuel, and purchased electric energy, total.....	637,730	87,520	28,726	521,484
Materials and supplies.....	510,163	68,003	28,238	413,922
Fuel.....	78,273	10,351	75	67,847
Purchased electric energy.....	49,294	9,166	413	39,715
Value of products.....	1,915,878	250,361	48,840	1,616,677
Value added by manufacture <sup>10</sup> .....	1,278,148	162,841	20,114	1,095,193

<sup>1</sup> Arizona, 1 establishment; Illinois, 1; Indiana, 1; Massachusetts, 2; Minnesota, 2; Missouri, 1; New Jersey, 5; New York, 2; Oklahoma, 1; South Dakota, 1; Washington, 1; Wisconsin, 2.  
<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.  
<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.  
<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.  
<sup>5</sup> Value of products less cost of materials, supplies, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939, 1937, AND 1929**

	1939	1937	1929
Sand-Lime Brick, Block and Tile industry, all products, total value.....	\$1,915,878	\$1,617,804	\$2,970,923
Sand-lime brick, block and tile made in the industry.....	1,552,736	1,305,397	2,909,635
Other products (not classified in this industry).....	363,142	312,407	61,288
Sand-lime brick, block and tile, aggregate value.....	1,797,822	1,305,397	2,909,635
Sand-lime brick, block and tile made in the industry.....	1,552,736	1,305,397	2,909,635
Sand-lime brick, block and tile made as secondary products in other industries.....	245,086	(2)	(2)

<sup>1</sup> Includes principally concrete block and tile.  
<sup>2</sup> No data.

**TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939, 1937, AND 1929**

PRODUCT	1939			1937	1929
	Produced in the industry	Produced in other industries	Aggregate		
Total.....	\$1,552,736	\$245,086	\$1,797,822	\$1,305,397	\$2,909,635
Sand-lime brick:					
Thousands.....	137,523	15,757	153,280	138,335	269,534
Value.....	\$1,411,796	\$176,063	\$1,587,859	\$1,222,273	\$2,909,635
Sand-lime block and other sand-lime products:					
Quantity reported—					
Brick equivalent, thousands.....	10,011	6,871	16,882	(1)	(2)
Value.....	\$115,355	\$67,191	\$182,546	\$83,124	
Quantity not reported—					
Value.....	\$25,585	\$1,832	\$27,417		

<sup>1</sup> Quantity reported as 8,091 short tons.  
<sup>2</sup> No data.

**TABLE 5.—NUMBER OF ESTABLISHMENTS AND QUANTITY AND VALUE FOR SAND-LIME BRICK, BY STATES: 1939**

	Number of establishments	Quantity (thousands)	Value
Sand-lime brick, total.....	28	153,280	\$1,587,859
Michigan.....	5	21,475	197,659
Minnesota.....	3	18,428	182,443
Ill., 1 est.; Wis., 2.....	3	8,623	95,380
Mass., 3 est.; N. J., 4; N. Y., 2.....	9	89,122	958,063
Other States (Ariz., 1 est.; Ind., 2; La., 1; Mo., 1; Pa., 1; S. Dak., 1; Wash., 1).....	8	15,632	154,314

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939.....	346	279	285	307	350	377	390	376	372	368	349	347	346
1937.....	414	359	379	401	429	452	507	474	426	447	413	351	333
1929.....	566	613	572	624	598	628	645	618	579	500	491	460	461
Michigan.....	51	42	30	43	50	58	59	58	55	56	53	56	57
New Jersey.....	64	50	59	57	63	67	78	73	66	71	58	64	66
Pennsylvania.....	6	6	5	5	6	6	6	6	7	6	6	8	7

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry.....	27
Reporting expenditures for plant and equipment.....	17
Value of products:	
Total for the industry.....	\$1,915,878
Reporting expenditures for plant and equipment.....	1,597,722
Expenditures for plant and equipment:	
Total for the industry.....	41,023
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	23,653
Expenditures for new machinery and operating equipment.....	16,740
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land.....	630

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total.....	\$108,402	\$120,078
Finished products.....	79,686	90,473
Materials, supplies, etc.....	28,716	29,605
End of year, total.....	112,176	165,788
Finished products.....	80,767	129,339
Materials, supplies, etc.....	31,409	36,449
Value of products for the industry, total.....	1,915,878	1,617,804
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand).....	1,908,337	1,617,804
Value for establishments not reporting inventories.....	7,541	

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments.....	27	40
Number of establishments reporting power equipment.....	27	40
Prime movers, aggregate:		
Number.....	4	17
Horsepower.....	800	1,717
Prime movers, driving generators, total—		
Number.....	1	117
Horsepower.....	100	1,717
Steam engines—		
Number.....	1	114
Horsepower.....	100	1,670
Diesel and semi-Diesel engines—		
Number.....		13
Horsepower.....		147
Other internal-combustion engines <sup>2</sup> —		
Number.....		
Horsepower.....		
Prime movers, steam engines, not driving generators—		
Number.....	3	
Horsepower.....	700	
Generators, kilowatt rating.....	20	30
Generators, driven by—		
Steam engines, kilowatt rating.....	20	(3)
Electric motors, total:		
Number.....	317	414
Horsepower.....	3,407	5,649
Driven by purchased energy—		
Number.....	316	413
Horsepower.....	3,377	5,629
Driven by energy generated in establishments reporting—		
Number.....	1	1
Horsepower.....	30	20
Electric energy (kilowatt-hours):		
Generated in plant.....	14,480	(4)
Purchased.....	1,827,939	2,836,253

<sup>1</sup> Includes data for prime movers not driving generators.

<sup>2</sup> Gas, gasoline, etc.

<sup>3</sup> Not called for on schedule.

<sup>4</sup> Data not available.

# NONCLAY REFRACTORIES

[A preliminary report for this industry was issued September 26, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in the manufacture of crucibles and refractories made of materials other than clay such as graphite, magnesite, chrome, silica, silicon carbide, etc.

Prior to 1937, establishments manufacturing nonclay refractories were not separately classified but were included in the former industry, "Clay products (other than pottery) and nonclay refractories." A revision of the statistics for this industry was made to obtain separate data for the separate industries for 1935 and 1933. There are no comparable statistics for earlier years.

**TABLE 1.—SUMMARY FOR THE UNITED STATES: 1933 TO 1939**

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horse-power of prime movers
1939.....	4 <sup>(c)</sup>	4,792	\$5,316,179	\$11,598,114	\$26,906,439	\$15,308,325	1,755
1937.....	4 <sup>(c)</sup>	5,641	6,330,518	12,538,034	28,457,233	15,919,199	(c)
1935.....	4 <sup>(c)</sup>	4,861	4,023,488	8,152,554	20,770,679	12,618,125	(c)
1933 <sup>7</sup> .....	4 <sup>(c)</sup>	3,394	2,138,721	4,813,100	12,151,264	7,338,164	(c)

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for 1933 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

<sup>7</sup> No comparable data for years prior to 1933.

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939**

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	Ohio	Pennsylvania	Other States <sup>1</sup>
Number of establishments <sup>2</sup> .....	46	6	20	20
Proprietors and firm members.....	2	1	1	1
Persons reported by manufacturing establishments, total <sup>3</sup> .....	5,278	515	3,062	1,700
Salaried officers of corporations <sup>4</sup> .....	49	6	21	22
Manufacturing:				
Salaried employees <sup>5</sup> .....	366	38	212	116
Wage earners (average for the year) <sup>6</sup> .....	4,792	465	2,808	1,518
Distribution.....	63	3	20	40
Construction.....	3	3	1	4
Other.....	5	1	1	4
Salaries and wages, total <sup>7</sup> .....	\$6,580,146	\$775,001	\$3,593,293	\$2,211,852
Salaried officers <sup>8</sup> .....	258,893	31,800	126,706	100,387
Manufacturing:				
Salaries <sup>9</sup> .....	780,529	82,879	419,119	278,531
Wages.....	5,316,179	627,593	2,995,138	1,693,448
Distribution.....	193,683	6,659	51,180	135,844
Construction.....	26,070	26,070		
Other.....	4,792		1,150	3,642

**TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939—Continued**

ITEM	United States	Ohio	Pennsylvania	Other States <sup>1</sup>
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total.....	\$11,598,114	\$1,997,718	\$5,694,732	\$3,905,664
Materials, supplies, and containers.....	9,001,970	1,139,220	4,580,862	3,281,888
Fuel.....	2,135,179	750,094	886,775	498,310
Purchased electric energy.....	455,935	108,404	227,095	120,436
Contract work.....	5,030			5,030
Value of products.....	26,906,439	4,238,010	13,442,675	9,225,754
Value added by manufacture <sup>5</sup> .....	15,308,325	2,240,292	7,747,943	5,320,090

<sup>1</sup> Alabama, 1 establishment; California, 2; Connecticut, 1; Illinois, 2; Indiana, 1; Maryland, 1; Massachusetts, 1; Montana, 1; New Jersey, 4; New York, 2; North Carolina, 1; Tennessee, 1; Utah, 2.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

**TABLE 3.—VALUE OF PRODUCTS FOR THE UNITED STATES: 1939 AND 1937**

	1939	1937
Nonclay Refractories industry, all products, total value.....	\$26,906,439	\$28,457,233
Nonclay refractories, made in the industry.....	26,041,494	27,336,772
Other products (not classified in the industry).....	<sup>1</sup> 864,945	1,120,461
Nonclay refractories, aggregate value.....	28,036,279	32,145,714
Nonclay refractories made in the industry.....	26,041,494	27,336,772
Nonclay refractories made as secondary products in other industries.....	1,994,785	4,808,942

<sup>1</sup> Includes value of fire-clay products and lime.

**TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, AND STOCKS ON HAND AT END OF YEAR, FOR THE UNITED STATES: 1939 AND 1937**

PRODUCT	1939			1937
	Produced in the industry	Produced in other industries	Aggregate	
Total value.....	\$26,041,494	\$1,994,785	\$28,036,279	\$32,145,714
Graphite and other carbon:				
Crucibles and retorts—				
Production..... short tons.....	4,976		4,976	( <sup>1</sup> )
value.....	\$1,666,976		\$1,666,976	\$1,779,303
Stocks, Dec. 31..... short tons.....	1,289		1,289	( <sup>1</sup> )
Other carbon refractories—				
Production..... short tons.....	1,111		1,111	( <sup>1</sup> )
value.....	\$378,678		\$378,678	\$455,633
Stocks, Dec. 31..... short tons.....	327		327	( <sup>1</sup> )
Magnesite and chrome brick:				
Production..... thousands.....	21,549		21,549	22,758
value.....	\$6,403,237		\$6,403,237	\$6,726,943
Stocks, Dec. 31..... thousands.....	2,579		2,579	4,806
Silica brick:				
Production..... thousands.....	168,882	6,494	175,376	220,110
value.....	\$8,794,415	\$291,934	\$9,086,349	\$12,801,663
Stocks, Dec. 31..... thousands.....	52,078	3,046	55,124	70,103
Refractory cement (nonclay):				
Silicon carbide cement—				
Production..... short tons.....	941	185	1,126	724
value.....	\$152,007	\$15,175	\$167,182	\$142,939
Stocks, Dec. 31..... short tons.....	65	2	67	59
All other.....				
Production..... short tons.....	63,123	7,967	71,090	113,994
value.....	\$1,909,064	\$446,144	\$2,355,208	\$2,132,061
Stocks, Dec. 31..... short tons.....	1,642	207	1,849	1,093
Other nonclay refractories, value <sup>2</sup> .....	\$6,737,117	\$1,241,532	\$7,978,649	\$8,107,172

<sup>1</sup> No data.

<sup>2</sup> Includes value of dead burned dolomite; other silicon-carbide refractories and shapes as silicon carbide brick, other silica, chrome, and magnesia refractories and shapes, except cement; alumina bauxite brick, and other alumina refractories and shapes.

NONCLAY REFRACTORIES

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TABLE 5.—NONCLAY REFRACTORIES—NUMBER OF ESTABLISHMENTS; PRODUCTS, BY KIND, QUANTITY, AND VALUE; AND STOCKS AT END OF YEAR; BY STATES: 1939

	Number of establishments	Stocks Dec. 31 (quantity)	PRODUCTION		Number of establishments	Stocks Dec. 31 (quantity)	PRODUCTION	
			Quantity	Value			Quantity	Value
Graphite and other carbon: Crucibles and retorts, total.....	9	Short tons 1,289	Short tons 4,976	\$1,666,976	Refractory cement (nonclay): Silicon carbide cement, total.....	10	Short tons 1,126	\$167,182
Conn., 1 est.; Mass., 1; N. J., 3; N. Y., 1.....	6	617	2,481	844,195	N. J., 1 est.; N. Y., 1; Pa., 3.....	5	66	894
Del., 1 est.; Pa., 2.....	3	672	2,495	822,781	Other States (Conn., 1 est.; Mass., 1; Mich., 1; Ohio, 2).....	5	1	232
Other carbon refractories (Conn., 1 est.; N. J., 1; Pa., 1.).....	3	327	1,111	378,678	All other, total.....	31	1,849	71,090
Magnesite and chrome brick (Md., 1 est.; Ohio, 1; Pa., 3).....	5	Thou- sands 2,579	Thou- sands 21,549	6,403,237	Ohio.....	3	83	6,860
Silica brick, total.....	27	55,124	175,376	9,080,349	Conn., 1 est.; Mass., 1; N. J., 2.....	4	57	1,853
Ohio.....	3	5,832	13,698	682,051	Ill., 3 est.; Ind., 1.....	4	79	9,190
Pennsylvania.....	13	35,005	113,089	5,660,139	Md., 1 est.; N. Y., 1; Pa., 9.....	11	1,382	50,372
Colo., 2 est.; Utah, 1.....	3	1,120	3,921	185,745	Other States (Ala., 1 est.; Ky., 1; Mich., 2; Mont., 1; N. C., 1; Tenn., 1; Utah, 1; Va., 1).....	9	248	2,815
Ill., 2 est.; Ind., 1.....	3	9,287	35,283	2,050,018	Other nonclay refractories, total.....	32		7,978,649
Other States (Ala., 1 est.; Calif., 2; Mont., 1; Tenn., 1).....	5	3,880	9,385	508,396	Ohio.....	5		3,030,735
					Pennsylvania.....	12		2,671,307
					Mass., 1 est.; N. J., 3; N. Y., 3.....	7		1,613,700
					Other States (Calif., 2 est.; Conn., 1; Mich., 1; Mont., 1; Tenn., 1; W. Va., 2).....	8		662,857

<sup>1</sup> Includes value of dead burned dolomite; other silicon-carbide refractories and shapes as silicon carbide brick, other silica, chrome, and magnesia refractories and shapes, except cement; alumina bauxite brick, and other alumina refractories and shapes.

TABLE 6.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939 AND 1937, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States: 1939.....	4,792	4,240	4,197	4,240	4,305	3,994	4,156	4,020	4,007	5,153	6,230	6,575	6,383
1937.....	5,641	5,939	5,884	6,132	6,200	6,068	5,927	5,775	5,686	5,696	5,488	4,791	4,104
New Jersey.....	215	198	197	198	201	202	199	201	200	210	254	261	255
Ohio.....	465	405	403	406	472	479	472	464	488	484	504	497	508
Pennsylvania.....	2,808	2,552	2,475	2,492	2,499	2,189	2,384	2,343	2,380	2,976	3,660	3,928	3,874

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments: Total for the industry.....	46
Reporting expenditures for plant and equipment.....	34
Value of products: Total for the industry.....	\$26,906,439
Reporting expenditures for plant and equipment.....	24,451,895
Expenditures for plant and equipment: Total for the industry.....	615,789
Expenditures for new construction or major alterations of buildings and other fixed plant and structures.....	189,869
Expenditures for new machinery and operating equipment.....	413,696
Expenditures for plant and equipment acquired in a "used" con- dition from other owners and expenditures for land.....	12,096
Expenditures unclassified.....	123

TABLE 8.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories: Beginning of year, total.....	\$7,063,656	\$5,962,406
Finished products.....	3,474,193	3,063,265
Materials, supplies, etc.....	3,589,463	2,899,231
End of year, total.....	7,049,747	7,684,361
Finished products.....	3,327,572	4,026,365
Materials, supplies, etc.....	3,722,175	3,657,996
Value of products for the industry, total.....	26,906,439	28,457,233
Value for establishments reporting inventories (in- cludes value of products of establishments reporting no inventories on hand).....	26,906,439	28,457,233

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939<sup>1</sup>

	1939
Number of establishments.....	46
Number of establishments reporting power equipment.....	45
Prime movers, aggregate: Number.....	14
Horsepower.....	1,755
Prime movers, steam engines, driving generators— Number.....	3
Horsepower.....	360
Prime movers, driving generators, ordinarily idle (included above), horsepower.....	75
Prime movers, not driving generators— Number.....	11
Horsepower.....	1,395
Steam engines— Number.....	10
Horsepower.....	1,325
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel— Number.....	1
Horsepower.....	70
Prime movers, not driving generators, ordinarily idle (included above), horsepower.....	100
Generators, driven by steam engines, kilowatt rating.....	275
Generators, ordinarily idle (included above), kilowatt rating.....	25
Electric motors, total: Number.....	2,005
Horsepower.....	30,927
Driven by purchased energy— Number.....	1,967
Horsepower.....	30,415
Driven by energy generated in establishments reporting— Number.....	38
Horsepower.....	512
Electric energy (kilowatt-hours): Generated in plant.....	900,000
Purchased.....	36,151,262

<sup>1</sup> Comparable date for 1929 not available.

<sup>2</sup> Gas, gasoline, etc.

# STATUARY AND ART GOODS (EXCEPT STONE AND CONCRETE)—FACTORY PRODUCTION

[A preliminary report for this industry was issued December 21, 1940]

**Description of the industry.**—This industry embraces establishments primarily engaged in factory production of such articles as statuary, vases, urns, brackets, flower boxes, fountains, plaques, mantels, columns, panels, moldings, pedestals, etc., other than those made of stone and concrete, and ornamental plaster work, architectural sculptures, small images, scagliola, and papier-mâché articles. The production of statuary by individual sculptors in their own studios is not, of course, a manufacturing process and therefore is not covered by the Census of Manufactures.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1904 TO 1939

CENSUS YEAR	Number of establishments <sup>1</sup>	Wage earners (average for the year) <sup>2</sup>	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work <sup>3</sup>	Value of products	Value added by manufacture <sup>4</sup>	Horsepower of prime movers
1939	126	983	\$1,150,324	\$974,707	\$3,440,114	\$2,465,407	20
1937	99	858	1,126,077	1,015,084	3,331,185	2,316,161	(5)
1935	105	719	802,714	776,078	2,891,741	2,115,663	(5)
1933	84	686	789,211	721,409	2,574,218	1,852,809	(5)
1931	150	1,325	2,327,956	1,271,371	5,699,885	4,428,514	(5)
1929	171	2,112	4,235,907	2,044,955	10,045,159	8,000,204	189
1927	136	2,028	4,403,742	2,414,919	10,187,247	7,772,328	178
1925	137	2,033	4,188,087	2,078,478	9,329,892	7,251,414	244
1923	150	1,807	3,243,690	1,897,528	7,550,015	5,652,487	(5)
1921	138	1,634	2,741,429	1,715,217	6,666,964	4,951,747	(5)
1919	195	1,466	1,716,067	1,378,540	5,019,521	3,640,981	124
1914	190	1,988	1,582,745	842,289	3,909,569	3,067,280	345
1909	194	1,699	1,339,063	680,330	3,441,546	2,761,216	309
1904 <sup>7</sup>	135	1,507	1,030,481	392,374	2,416,730	2,024,356	304

<sup>1</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>2</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>3</sup> Figures for years prior to 1935 do not include cost of contract work.

<sup>4</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>5</sup> Not called for on schedule.

<sup>6</sup> Data not available.

<sup>7</sup> No comparable data for 1899.

TABLE 2.—GENERAL STATISTICS IN DETAIL BY STATES: 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

ITEM	United States	California	Illinois	Kentucky	Massachusetts	Michigan	Missouri	New Jersey	New York	Ohio	Pennsylvania	Wisconsin	Other States <sup>1</sup>
Number of establishments <sup>2</sup>	126	14	19	3	8	3	8	5	35	4	8	7	12
Proprietors and firm members	148	21	32	1	4	2	9	10	38	3	5	6	17
Persons reported by manufacturing establishments, total <sup>3</sup>	1,172	59	189	21	90	18	69	28	355	104	83	49	108
Salaried officers of corporations <sup>3</sup>	65	5	8	4	12		7		19	3		2	5
Manufacturing:													
Salaried employees <sup>3</sup>	78	1	18		5		4	1	14	18	7	5	5
Wage earners (average for the year) <sup>4</sup>	983	49	157	15	70	16	56	27	303	79	75	40	95
Distribution	43	4	6	2	3	2	2		17	4	1	2	
Construction													
Other	3								2				1
Salaries and wages, total <sup>3</sup>	\$1,532,547	\$61,004	\$254,619	\$22,460	\$104,095	\$33,578	\$66,227	\$30,525	\$579,662	\$123,370	\$76,346	\$61,243	\$119,418
Salaried officers <sup>3</sup>	192,810	6,600	18,885	5,812	20,242		15,516		106,430	8,286		1,708	9,331
Manufacturing:													
Salaries <sup>3</sup>	122,195	1,059	42,056		5,427		4,420	722	18,510	26,979	8,697	9,490	4,835
Wages	1,150,324	49,288	183,119	15,929	75,686	30,184	45,170	29,803	425,512	77,041	65,911	48,145	104,536
Distribution	65,460	4,057	10,559	719	2,740	3,394	1,121		28,168	11,064	1,738	1,900	
Construction													
Other	1,758								1,042				716
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	974,707	35,315	181,140	16,704	122,869	36,710	54,559	30,785	278,005	46,363	57,018	24,881	90,353
Materials, supplies, and containers	906,456	33,572	162,397	15,861	119,223	35,858	51,680	24,509	258,061	43,617	53,415	22,272	85,991
Fuel	28,622	415	7,336	753	1,598	531	1,341	808	7,075	1,864	2,506	1,714	2,681
Purchased electric energy	28,354	1,028	6,210	90	2,048	321	1,538	931	11,628	882	1,097	895	1,686
Contract work	11,275	300	5,197					4,537	1,241				
Value of products	3,440,114	161,414	554,741	51,503	337,584	84,655	173,616	89,569	1,172,183	229,785	169,581	117,244	298,239
Value added by manufacture <sup>5</sup>	2,465,407	126,099	373,601	34,799	214,715	47,945	119,057	58,784	894,178	183,422	112,563	92,363	207,881

<sup>1</sup> District of Columbia, 2 establishments; Florida, 1; Minnesota, 1; Nevada, 1; Oklahoma, 1; Oregon, 1; Texas, 2; Washington, 2; West Virginia, 1.

<sup>2</sup> See GENERAL EXPLANATIONS—Definition of establishment.

<sup>3</sup> See GENERAL EXPLANATIONS—Persons engaged—general classification.

<sup>4</sup> See GENERAL EXPLANATIONS—Wage earners and wages.

<sup>5</sup> Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.

TABLE 3.—PRODUCTS, FOR THE UNITED STATES: 1939 AND 1937

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

No detailed production statistics are collected for this industry; therefore, there are no figures for the above tables.

TABLE 5.—WAGE EARNERS ENGAGED IN MANUFACTURING, BY MONTHS, FOR THE UNITED STATES, 1939, 1937, AND 1929, AND BY STATES, 1939

[See GENERAL EXPLANATIONS—Disclosure of data for individual establishments]

STATE	Average number employed during year	NUMBER RECEIVING PAY DURING NORMAL PAY-ROLL PERIOD ENDED NEAREST 15TH OF MONTH—											
		January	February	March	April	May	June	July	August	September	October	November	December
United States:													
1939	983	803	918	1,016	1,001	946	963	981	994	1,043	1,066	1,032	971
1937	858	735	808	830	823	878	893	881	881	897	912	915	837
1929	2,112	2,030	2,015	2,080	2,059	2,002	2,049	2,068	2,113	2,179	2,224	2,348	2,173
California	49	50	48	43	49	46	50	51	47	54	52	49	50
Illinois	157	148	150	159	146	145	140	155	157	171	175	168	171
Kentucky	15	4	6	13	17	17	19	17	17	14	18	22	21
Massachusetts	70	54	54	57	66	63	64	70	73	81	89	90	84
Michigan	16	12	17	16	20	26	23	19	14	15	10	11	9
Missouri	56	43	45	00	58	57	58	59	56	59	65	57	50
New Jersey	27	28	28	25	25	25	26	28	27	28	28	28	28
New York	303	286	310	365	340	284	287	284	292	311	317	295	266
Ohio	79	70	75	76	79	76	79	78	80	79	78	93	81
Pennsylvania	75	60	71	74	64	68	73	74	78	81	87	84	87
Wisconsin	40	36	36	38	38	38	39	45	45	45	41	39	39

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	126
Reporting expenditures for plant and equipment	35
Value of products:	
Total for the industry	\$3,440,114
Reporting expenditures for plant and equipment	1,278,194
Expenditures for plant and equipment:	
Total for the industry	57,901
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	11,105
Expenditures for new machinery and operating equipment	12,778
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	18,075
Expenditures unclassified	15,943

TABLE 7.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total	\$518,088	\$443,907
Finished products	310,607	246,584
Materials, supplies, etc.	207,481	197,323
End of year, total	495,812	461,077
Finished products	304,127	254,592
Materials, supplies, etc.	191,685	206,485
Value of products for the industry, total	3,440,114	3,331,185
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	2,971,328	2,963,721
Value for establishments not reporting inventories	468,786	367,464

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments	126	171
Number of establishments reporting power equipment	125	91
Prime movers, aggregate:		
Number	1	5
Horsepower	20	189
Prime movers, driving generators, total—		
Number		15
Horsepower		1,189
Steam engines—		
Number		1
Horsepower		150
Diesel and semi-Diesel engines—		
Number		14
Horsepower		139
Other internal-combustion engines <sup>2</sup> —		
Number		1
Horsepower		20
Prime movers, not driving generators, total—		
Number	1	
Horsepower	20	
Internal-combustion engines, <sup>2</sup> other than Diesel and semi-Diesel—		( <sup>3</sup> )
Number	1	
Horsepower	20	
Generators, kilowatt rating, total		150
Electric motors, total:		
Number	476	381
Horsepower	770	1,505
Driven by purchased energy—		
Number	476	365
Horsepower	770	1,350
Driven by energy generated in establishments reporting—		
Number		16
Horsepower		155
Electric energy purchased (kilowatt-hours)	686,880	852,649

<sup>1</sup> Includes data for prime movers not driving generators.

<sup>2</sup> Gas, gasoline, etc.

<sup>3</sup> Not called for on schedule.