Group 9.—CHEMICALS AND ALLIED PRODUCTS

The industries as a group.—This group of industries includes establishments producing basic chemicals and establishments manufacturing products by predominantly chemical operations. Establishments in this group manufacture, in general, three classes of products: (1) Basic chemicals such as acids, alkalis, salts, organic chemicals, etc.; (2) semifinished chemical products to be used in further manufacturing, such as rayon yarns, plastic materials, crude animal and vegetable oils, dry colors, pigments, etc.; (3) finished chemical products to be used for ultimate consumption, such as drugs, cosmetics, soaps, etc., or for use as supplies in other industries such as paints, fertilizers, explosives, etc. Considerable duplication occurs in the aggregate cost of materials and the aggregate value of products for the group, because of the use of the products of certain industries as materials in others.

Changes in allocation of industries.—This group for 1939 includes the "Lubricating oils and greases" industry, formerly classified in the products of Petroleum and Coal group; "Gum naval stores" industry, formerly classified in the Forest Products group under the name of "Turpentine and rosin"; and the "Foundry supplies" industry, formerly classified in the Miscellaneous Industries group, which for this year was combined for the most part with the "Insecticides, fungicides, and related industrial and household chemical compounds" industry. The "Baking powder, yeast, and other leavening compounds" industry, formerly classified in this group has been transferred to Group 1, Food and Kindred Products.

SUMMARY FOR GROUP 9.—CHEMICALS AND ALLIED PRODUCTS: 1939 AND 1937

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	9,203	287,136	$356,175,902	$1,854,140,407	$3,733,657,723	$1,879,517,316	2,106,028
1937 [4]	8,618	313,539	377,487,471	1,942,249,720	3,718,405,739	1,776,156,019	(5)
SUBGROUPS, INDUSTRIES, AND CENSUS YEAR	SUMMARY FOR SUBGROUPS AND FOR INDIVIDUAL INDUSTRIES						
PAINTS, VARNISHES, AND COLORS:							
1939	1,255	28,173	$39,816,147	$288,959,279	$518,846,737	$229,887,458	53,765
1937	1,124	31,664	42,750,662	312,085,415	538,460,629	226,375,214	(5)
Paints, varnishes, and lacquers—							
1939	1,166	22,334	31,701,798	245,570,837	434,960,890	189,390,053	25,261
1937	1,037	25,135	34,313,228	264,382,190	453,865,808	189,483,618	(5)
Colors and pigments—							
1939	89	5,839	8,114,349	43,388,442	83,885,847	40,497,405	28,504
1937	87	6,529	8,437,434	47,703,225	84,594,821	36,891,596	(5)
ANIMAL AND VEGETABLE OILS (NOT INCLUDING LUBRICANTS OR COOKING AND SALAD OILS):							
1939	663	21,678	16,923,744	269,801,254	337,327,613	67,526,359	171,700
1937	606	22,557	15,815,348	331,552,673	409,643,995	78,091,322	(5)
Cottonseed oil, cake, meal, and linters—							
1939	447	15,191	8,939,334	138,764,149	171,476,253	32,712,104	133,365
1937	447	16,583	8,531,570	195,746,709	242,042,808	46,296,099	(5)
Linseed oil, cake, and meal—							
1939	25	2,120	3,193,158	56,456,099	68,011,767	11,555,668	21,155
1937	23	2,628	3,591,310	74,481,070	90,356,528	15,875,458	(5)
Soybean oil, cake, and meal—							
1939	47	1,481	1,889,457	34,434,845	43,946,647	9,511,802	2,415
1937	26	871	1,191,890	19,950,065	24,312,433	4,362,368	(5)
Essential oils—							
1939	14	255	357,346	6,861,194	9,813,799	2,952,605	655
1937	13	195	265,515	[6] 3,705,374	[6] 5,138,886	[6] 1,433,512	(5)
Fish and other marine oils, cake, and meal—							
1939	76	1,523	1,307,934	8,907,314	13,622,312	4,714,998	11,543
1937	59	1,212	979,075	7,664,695	11,593,312	3,928,617	(5)
Vegetable and animal oils, not elsewhere classified—							
1939	54	1,108	1,236,515	24,377,653	30,456,835	6,079,182	2,567
1937	38	1,068	1,255,988	30,004,760	36,200,028	6,195,268	(5)
DRUGS, MEDICINES, TOILET PREPARATIONS, INSECTICIDES, AND RELATED PRODUCTS:							
1939	2,407	37,766	38,934,743	218,158,151	605,894,766	387,736,615	27,390
1937	2,136	39,741	41,478,145	196,331,838	565,983,949	369,652,111	(5)
Drugs and medicines (including drug grinding)—							
1939	1,094	22,386	23,897,990	115,272,573	364,985,404	249,712,831	20,506
1937	1,034	24,795	26,965,191	103,583,860	353,853,522	250,269,662	(5)
Perfumes, cosmetics, and other toilet preparations—							
1939	539	10,363	9,643,540	58,509,926	147,405,585	88,955,659	2,890
1937	478	10,158	9,261,533	53,905,342	132,316,481	78,431,139	(5)
Insecticides, fungicides, and related industrial and household chemical compounds—							
1939	774	5,017	5,393,213	44,375,652	93,443,777	49,068,125	3,994
1937 [7]	624	4,788	5,251,421	38,842,636	79,793,946	40,951,310	(5)

See footnotes at end of table.

SUMMARY FOR GROUP 9.—CHEMICALS AND ALLIED PRODUCTS: 1939 AND 1937—Continued

SUBGROUPS, INDUSTRIES, AND CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
	SUMMARY FOR SUBGROUPS AND FOR INDIVIDUAL INDUSTRIES—con.						
SOAP AND GLYCERIN:							
1939	264	13,624	$18,800,527	$161,002,676	$302,634,474	$141,631,798	46,963
1937	232	14,008	19,074,574	185,169,789	301,291,547	116,121,758	(5)
RAYON AND ALLIED PRODUCTS:							
1939	30	48,332	60,029,523	78,459,699	247,065,556	168,605,857	395,787
1937	33	55,098	65,291,053	80,615,893	254,697,216	174,081,323	(5)
HARDWOOD DISTILLATION, CHARCOAL, AND NAVAL STORES:							
1939	823	5,094	3,731,499	23,848,458	38,319,298	14,470,840	27,998
1937	1,053	5,973	4,374,444	33,997,249	55,170,445	21,173,196	(5)
Hardwood distillation and charcoal manufacture—							
1939	43	1,770	1,530,675	3,928,214	6,843,172	2,914,958	4,845
1937	39	2,108	1,863,930	5,164,290	8,983,273	3,818,983	(5)
Wood naval stores—							
1939	25	2,353	1,866,991	6,524,299	14,114,193	7,589,894	23,153
1937	21	2,359	2,160,479	6,163,279	17,161,711	10,998,432	(5)
Gum naval stores (processing but not gathering or warehousing)—							
1939	755	971	333,833	13,395,945	17,361,933	3,965,988	----------
1937	993	1,506	350,035	22,669,680	29,025,461	6,355,781	(5)
FERTILIZERS:							
1939	764	18,744	13,678,397	128,629,745	185,684,328	57,054,583	15,263
1937 [7]	729	20,391	15,027,405	129,135,776	194,129,208	64,993,432	(5)
INDUSTRIAL CHEMICALS:							
1939	1,340	88,801	134,379,651	514,681,616	1,169,060,620	654,379,004	1,295,244
1937	1,297	96,711	140,842,354	511,263,069	1,083,348,627	572,085,558	(5)
Tanning materials, natural dyestuffs, mordants, assistants, and sizes—							
1939	158	2,716	3,002,734	23,860,279	42,164,716	18,304,437	25,996
1937	158	2,812	2,999,868	22,603,478	35,684,573	13,081,095	(5)
Coal-tar products, crude and intermediate—							
1939	49	2,338	3,598,411	25,557,307	42,917,034	17,359,727	8,753
1937	48	2,028	3,031,983	24,232,587	37,177,059	12,944,472	(5)
Plastic materials—							
1939	38	6,966	9,839,935	40,563,524	77,653,314	37,089,790	11,342
1937	34	7,283	9,481,773	35,713,142	66,955,407	31,242,265	(5)
Explosives—							
1939	80	7,242	10,964,498	26,860,347	71,053,206	44,192,859	20,246
1937 [7]	85	7,240	10,926,458	27,596,880	67,343,187	39,746,307	(5)
Salt—							
1939	40	3,737	4,235,484	9,568,742	27,530,172	17,961,430	51,447
1937 [6]	39	3,846	4,479,552	10,249,080	27,909,013	17,659,933	(5)
Compressed and liquefied gases—not made in petroleum refineries or in natural-gasoline plants—							
1939	379	3,960	5,853,935	13,532,407	53,364,936	39,832,529	21,243
1937	356	4,655	6,590,844	14,243,865	56,417,673	42,173,808	(5)
Bone black, carbon black, and lampblack—							
1939	53	1,574	2,001,097	6,103,427	14,626,876	8,523,449	6,870
1937	62	2,190	2,711,599	7,235,671	18,853,576	11,617,905	(5)
Chemicals not elsewhere classified—							
1939	543	60,268	94,883,557	368,635,583	839,750,366	471,114,783	1,149,347
1937 [7]	515	66,657	100,620,277	369,388,366	773,008,139	403,619,773	(5)
MISCELLANEOUS CHEMICAL PRODUCTS:							
1939	1,657	24,924	29,881,671	170,599,529	328,824,331	158,224,802	71,918
1937	1,401	26,623	32,012,578	161,906,864	312,006,655	150,099,791	(5)
Printing ink—							
1939	206	2,572	3,701,318	25,166,041	49,131,575	23,965,534	380
1937	184	2,793	4,084,886	25,103,530	47,346,545	22,243,015	(5)
Ammunition—							
1939	13	4,264	4,952,610	13,004,357	29,091,475	16,087,118	20,721
1937 [7]	11	5,071	5,697,662	14,709,079	31,043,048	16,333,969	(5)
Cleaning and polishing preparations, blackings, and dressings—							
1939	637	5,128	5,667,266	37,670,007	89,766,752	52,096,745	1,185
1937	510	4,877	5,422,367	31,632,123	77,053,973	45,421,850	(5)
Glue and gelatin—							
1939	80	3,039	3,941,588	18,793,755	34,331,639	15,537,884	27,363
1937	75	3,547	4,565,134	23,390,959	40,649,934	17,258,975	(5)
Grease and tallow (except lubricating greases)—							
1939	310	5,201	6,508,509	38,114,978	58,226,218	20,111,240	13,659
1937	266	5,200	6,763,308	32,980,190	52,268,767	19,288,577	(5)
Lubricating oils and greases—not made in petroleum refineries—							
1939	232	2,128	2,713,225	28,930,504	49,056,857	20,126,353	6,865
1937	195	2,231	2,839,411	25,387,284	44,112,635	18,725,351	(5)
Fireworks—							
1939	59	1,158	987,446	1,852,715	4,628,181	2,775,466	25
1937 [7]	46	1,451	1,200,943	2,064,167	5,366,482	3,302,315	(5)
Candles—							
1939	28	840	816,811	3,337,684	6,329,179	2,991,495	1,093
1937	22	725	686,003	2,624,206	5,351,513	2,727,307	(5)
Bluing—							
1939	13	55	55,925	386,220	1,142,341	756,121	155
1937	14	67	69,129	350,368	1,128,529	778,161	(5)
Mucilage, paste, and other adhesives, except glue and rubber cement—							
1939	64	285	289,857	2,141,221	4,168,855	2,027,634	160
1937	61	295	313,416	2,165,002	4,209,629	2,044,627	(5)
Writing ink—							
1939	15	254	247,116	1,202,047	2,951,259	1,749,212	312
1937	17	366	370,319	1,499,956	3,475,600	1,975,644	(5)

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] The figures for 1937 are not exactly the sums of the figures for the industries as shown below, as revisions have been made. These revisions have not been carried to the total for the group or to the total for all groups for the United States.
[5] Not called for on schedule.
[6] Revised; revision not carried to group total or the total for all groups for the United States.
[7] Revised.

GENERAL STATISTICS IN DETAIL, FOR THE GROUP, THE SUBGROUPS, AND FOR THE INDUSTRIES [1]: 1939

ITEM	Aggregate for the group	PAINT, VARNISHES, AND COLORS			ANIMAL AND VEGETABLE OILS (NOT INCLUDING LUBRICANTS OR COOKING AND SALAD OILS)				
		Total	911	912	Total	921	922	923	924
Number of establishments [2]	9,203	1,255	1,166	89	663	447	25	47	14
Proprietors and firm members	3,398	393	386	7	121	70	4	15	4
Persons reported by manufacturing industries, total [3]	404,249	46,172	38,154	8,018	26,552	18,519	2,388	2,010	337
Salaried officers of corporations [3]	8,204	1,538	1,439	99	567	394	6	17	15
Manufacturing:									
Salaried employees [3]	54,906	7,207	5,826	1,381	3,064	2,136	238	321	39
Wage earners (average for the year) [4]	287,136	28,173	22,334	5,839	21,678	15,191	2,120	1,481	255
Distribution	40,614	8,391	8,095	296	932	633	16	102	25
Construction	11,131	482	166	316	240	105	6	87	----
Other	2,258	381	294	87	71	60	2	2	3
Salaries and wages, total [3]	$621,089,366	$83,662,284	$70,395,207	$13,267,077	$26,379,229	$14,880,908	$3,782,486	$2,850,754	$704,149
Salaried officers [3]	48,373,430	9,726,483	9,038,114	688,369	2,328,360	1,255,863	47,215	87,982	165,827
Manufacturing:									
Salaries [3]	116,769,114	15,204,788	11,968,838	3,235,950	5,331,717	3,641,608	482,398	575,487	96,854
Wages	356,175,902	39,816,147	31,701,798	8,114,349	16,923,744	8,939,334	3,193,158	1,889,457	357,346
Distribution	79,301,348	17,798,432	17,072,762	725,670	1,497,324	897,797	40,473	205,233	81,933
Construction	16,705,579	609,733	278,084	331,649	249,418	107,061	16,128	91,109	----
Other	3,763,993	506,701	335,611	171,090	48,666	39,245	3,114	1,486	2,189
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	1,854,140,407	288,959,279	245,570,837	43,388,442	269,801,254	138,764,149	56,456,099	34,434,845	6,861,194
Materials, supplies, and containers	1,753,213,088	281,605,133	241,438,815	40,166,318	262,896,955	134,781,380	55,679,329	33,321,647	6,810,405
Fuel	62,739,809	4,042,094	1,853,657	2,188,437	3,347,114	1,799,424	383,927	467,894	35,469
Purchased electric energy	35,783,324	3,166,487	2,136,758	1,029,729	3,519,747	2,162,790	392,843	637,909	8,947
Contract work	2,404,186	145,565	141,607	3,958	37,438	20,555	----	7,395	6,373
Value of products	3,733,657,723	518,846,737	434,960,890	83,885,847	337,327,613	171,476,253	68,011,767	43,946,647	9,813,799
Value added by manufacture [5]	1,879,517,316	229,887,458	189,390,053	40,497,405	67,526,359	32,712,104	11,555,668	9,511,802	2,952,605

ITEM	ANIMAL AND VEGETABLE OILS (NOT INCLUDING LUBRICANTS OR COOKING AND SALAD OILS)—Con.		DRUGS, MEDICINES, TOILET PREPARATIONS, INSECTICIDES, AND RELATED PRODUCTS				941	951
	925	929	Total	931	932	933		
Number of establishments [2]	76	54	2,407	1,094	539	774	264	30
Proprietors and firm members	17	11	829	330	201	298	98	----
Persons reported by manufacturing industries, total [3]	1,806	1,492	65,429	40,392	15,614	9,423	20,191	55,471
Salaried officers of corporations [3]	92	43	2,767	1,453	571	743	285	36
Manufacturing:								
Salaried employees [3]	139	191	8,588	5,559	1,669	1,360	3,345	5,230
Wage earners (average for the year) [4]	1,523	1,108	37,766	22,386	10,363	5,017	13,624	48,332
Distribution	38	118	15,321	10,202	2,911	2,208	2,521	207
Construction	14	28	392	301	36	55	386	1,380
Other	----	4	595	491	64	40	30	286
Salaries and wages, total [3]	$2,150,222	$2,010,710	$101,497,379	$64,223,527	$21,717,088	$15,556,764	$33,090,782	$75,247,622
Salaried officers [3]	540,419	231,054	16,858,901	9,299,789	4,080,481	3,478,631	1,731,812	604,051
Manufacturing:								
Salaries [3]	209,385	325,985	16,326,006	10,848,948	2,866,980	2,610,078	6,876,102	11,689,302
Wages	1,307,934	1,236,515	38,934,743	23,897,990	9,643,540	5,393,213	18,800,527	60,029,523
Distribution	80,524	191,364	27,335,589	18,411,742	4,993,793	3,930,054	4,844,957	668,489
Construction	11,960	23,160	624,425	479,101	42,937	102,387	809,071	1,874,860
Other	----	2,632	1,417,715	1,285,957	89,357	42,401	28,313	381,307
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	8,907,314	24,377,653	218,158,151	115,272,573	58,509,926	44,375,652	161,002,676	78,459,699
Materials, supplies, and containers	8,451,860	23,852,334	213,251,178	112,128,193	57,845,560	43,277,425	157,658,319	71,297,741
Fuel	361,762	298,638	1,991,041	1,279,337	200,206	511,498	2,607,300	6,014,751
Purchased electric energy	90,577	226,681	1,670,479	1,000,309	265,234	404,936	638,961	1,099,414
Contract work	3,115	----	1,245,453	864,734	198,926	181,793	98,096	47,793
Value of products	13,622,312	30,456,835	605,894,766	364,985,404	147,465,585	93,443,777	302,034,474	247,065,556
Value added by manufacture [5]	4,714,998	6,079,182	387,736,615	249,712,831	88,955,659	49,068,125	141,031,798	168,605,857

See footnotes at end of table.

GENERAL STATISTICS IN DETAIL, FOR THE GROUP, THE SUBGROUPS, AND FOR THE INDUSTRIES [1]: 1939—Con.

ITEM	HARDWOOD DISTILLATION, CHARCOAL, AND NAVAL STORES				970	INDUSTRIAL CHEMICALS		
	Total	961	962	963		Total	980	981
Number of establishments [2]	823	43	25	755	764	1,340	158	49
Proprietors and firm members	859	17	6	836	219	117	33	1
Persons reported by manufacturing industries, total [3]	6,907	2,091	2,924	1,892	24,081	121,383	4,057	2,954
Salaried officers of corporations [3]	139	34	34	71	511	794	168	12
Manufacturing:								
Salaried employees [3]	1,335	211	316	808	2,155	18,799	632	435
Wage earners (average for the year) [4]	5,094	1,770	2,353	971	18,744	88,801	2,716	2,338
Distribution	73	19	26	28	2,386	4,886	405	19
Construction	260	55	192	13	217	7,432	67	150
Other	6	2	3	1	68	671	69	
Salaries and wages, total [3]	$5,833,456	$2,090,418	$2,886,900	$856,138	$23,435,322	$210,881,275	$7,106,047	$4,877,611
Salaried officers [3]	357,247	91,566	136,604	129,077	1,791,894	6,559,189	1,366,480	67,816
Manufacturing:								
Salaries [3]	1,358,650	361,292	635,089	362,269	3,457,367	46,284,734	1,373,278	961,451
Wages	3,731,499	1,530,675	1,866,991	333,833	13,678,397	134,379,651	3,002,734	3,598,411
Distribution	122,793	52,550	42,240	28,003	4,191,260	11,009,906	1,157,933	38,848
Construction	259,426	52,364	204,356	2,706	224,845	11,544,479	92,570	211,085
Other	3,841	1,971	1,620	250	91,559	1,103,316	113,052	
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	23,848,458	3,928,214	6,524,299	13,395,945	128,629,745	514,681,616	23,860,279	25,557,307
Materials, supplies, and containers	22,505,421	3,151,638	6,163,995	13,189,788	126,325,685	453,571,836	22,906,267	23,891,842
Fuel	1,131,338	705,083	242,348	183,907	589,173	38,684,819	770,392	1,230,488
Purchased electric energy	194,512	65,533	117,956	11,023	1,696,510	21,760,946	181,576	209,511
Contract work	17,187	5,360		11,827	18,377	664,015	2,044	225,466
Value of products	38,319,298	6,843,172	14,114,193	17,361,933	185,684,328	1,169,060,620	42,164,716	42,917,034
Value added by manufacture [5]	14,470,840	2,914,958	7,589,894	3,965,988	57,054,583	654,379,004	18,304,437	17,359,727

ITEM	INDUSTRIAL CHEMICALS—continued					
	982	983	984	985	986	999
Number of establishments [2]	38	80	40	379	53	543
Proprietors and firm members	1	7	4	14	1	56
Persons reported by manufacturing industries, total [3]	10,080	8,315	4,555	6,450	1,909	83,063
Salaried officers of corporations [3]	44	25	30	68	17	430
Manufacturing:						
Salaried employees [3]	2,017	776	377	725	191	13,646
Wage earners (average for the year) [4]	6,966	7,242	3,737	3,960	1,574	60,268
Distribution	429	57	234	1,665	26	2,051
Construction	612	209	168	27	95	6,104
Other	12	6	9	5	6	564
Salaries and wages, total [3]	$16,916,989	$13,721,116	$5,927,903	$11,465,251	$2,718,209	$148,148,149
Salaried officers [3]	503,226	130,987	238,343	485,112	125,825	3,641,400
Manufacturing:						
Salaries [3]	4,254,643	2,193,151	827,292	1,686,534	408,475	34,579,910
Wages	9,839,935	10,964,498	4,235,484	5,853,935	2,001,097	94,883,557
Distribution	1,248,324	140,248	345,788	3,420,741	51,482	4,606,542
Construction	1,049,064	287,763	264,390	15,047	124,015	9,500,545
Other	21,797	4,469	16,606	3,882	7,315	936,195
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	40,563,524	26,860,347	9,568,742	13,532,407	6,103,427	368,635,583
Materials, supplies, and containers	38,332,809	25,178,879	7,338,580	10,084,364	5,772,570	320,066,525
Fuel	1,396,547	1,020,805	2,088,071	398,536	22,877	31,757,103
Purchased electric energy	654,237	660,663	142,091	3,043,962	307,980	16,560,926
Contract work	179,931			5,545		251,029
Value of products	77,653,314	71,053,206	27,530,172	53,364,936	14,626,876	839,750,366
Value added by manufacture [5]	37,089,790	44,192,859	17,961,430	39,832,529	8,523,449	471,114,783

See footnotes at end of table.

GENERAL STATISTICS IN DETAIL, FOR THE GROUP, THE SUBGROUPS, AND FOR THE INDUSTRIES[1]: 1939—Continued

ITEM	MISCELLANEOUS CHEMICAL PRODUCTS											
	Total	987	988	989	990	991	992	993	994	995	996	997
Number of establishments [2]	1,657	206	13	637	80	310	232	59	28	13	64	15
Proprietors and firm members	762	41	2	301	24	231	75	20	9	12	37	10
Persons reported by manufacturing industries, total [3]	38,063	4,376	5,247	9,978	3,973	6,536	4,183	1,394	1,188	117	578	493
Salaried officers of corporations [3]	1,567	200	15	578	94	247	247	55	48	10	51	22
Manufacturing:												
Salaried employees [3]	5,183	885	672	1,403	501	595	703	135	94	20	111	64
Wage earners (average for the year) [4]	24,924	2,572	4,264	5,128	3,039	5,201	2,128	1,158	840	55	285	254
Distribution	5,897	698	264	2,802	231	324	1,035	30	204	27	129	153
Construction	342	7	20	33	100	136	37	9				
Other	150	14	12	34	8	33	33	7	2	5	2	
Salaries and wages, total [3]	$61,062,017	$9,073,056	$6,944,595	$15,964,521	$6,605,228	$9,596,161	$7,648,324	$1,511,569	$1,752,222	$197,085	$948,128	$821,128
Salaried officers [3]	8,415,493	1,356,652	125,593	2,921,172	712,908	1,079,936	1,263,091	240,286	329,673	59,442	191,837	134,903
Manufacturing:												
Salaries [3]	10,240,448	2,136,495	1,269,465	2,468,942	1,094,499	1,096,351	1,428,134	214,471	184,637	28,358	206,461	112,635
Wages	29,881,671	3,701,318	4,952,610	5,667,266	3,941,588	6,508,509	2,713,225	987,446	816,811	55,925	289,857	247,116
Distribution	11,832,598	1,854,055	549,869	4,822,145	687,202	657,464	2,165,059	56,110	419,189	48,726	257,080	315,699
Construction	509,322	11,319	32,431	38,968	162,272	206,599	49,033	8,700				
Other	182,485	13,217	14,627	46,028	6,759	47,302	29,782	4,556	1,912	4,634	2,893	10,775
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	170,599,529	25,166,041	13,004,357	37,670,007	18,793,755	38,114,978	28,930,504	1,852,715	3,337,684	386,220	2,141,221	1,202,047
Materials, supplies, and containers	164,100,820	24,464,942	12,574,041	37,036,595	17,025,910	36,090,429	28,250,108	1,763,767	3,256,479	380,720	2,072,451	1,185,378
Fuel	4,332,179	163,638	290,682	303,955	1,592,196	1,360,269	455,955	63,859	61,078	1,508	28,961	10,018
Purchased electric energy	2,036,268	534,681	85,087	300,226	174,056	640,132	207,897	25,089	20,127	2,545	39,777	6,651
Contract work	130,262	2,780	54,547	29,231	1,593	24,148	16,544			1,387	32	
Value of products	328,824,331	49,131,575	29,091,475	89,766,752	34,331,639	58,226,218	49,056,857	4,628,181	6,329,179	1,142,341	4,168,855	2,951,259
Value added by manufacture [5]	158,224,802	23,965,534	16,087,118	52,096,745	15,537,884	20,111,240	20,126,353	2,775,466	2,991,495	756,121	2,027,634	1,749,212

[1] The numbers at the heads of the columns represent industries as follows:

911. Paints, varnishes, and lacquers.
912. Colors and pigments.
921. Cottonseed oil, cake, meal, and linters.
922. Linseed oil, cake, and meal.
923. Soybean oil, cake, and meal.
924. Essential oils.
925. Fish and other marine oils, cake, and meal.
929. Vegetable and animal oils, not elsewhere classified.
931. Drugs and medicines (including drug grinding).
932. Perfumes, cosmetics, and other toilet preparations.
933. Insecticides, fungicides, and related industrial and household chemical compounds.
941. Soap and glycerin.
951. Rayon and allied products.
961. Hardwood distillation and charcoal manufacture.
962. Wood naval stores.
963. Gum naval stores (processing but not gathering or warehousing).
970. Fertilizers.
980. Tanning materials, natural dyestuffs, mordants, assistants, and sizes.
981. Coal-tar products, crude and intermediate.
982. Plastic materials.
983. Explosives.
984. Salt.
985. Compressed and liquefied gases—not made in petroleum refineries or in natural-gasoline plants.
986. Bone black, carbon black, and lampblack.
987. Printing ink.
988. Ammunition.
989. Cleaning and polishing preparations, blackings, and dressings.
990. Glue and gelatin.
991. Grease and tallow (except lubricating greases).
992. Lubricating oils and greases—not made in petroleum refineries.
993. Fireworks.
994. Candles.
995. Bluing.
996. Mucilage, paste, and other adhesives, except glue and rubber cement.
997. Writing ink.
999. Chemicals not elsewhere classified.

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

PAINTS, VARNISHES, AND LACQUERS

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

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of paints in paste form or mixed ready for use, varnishes, lacquers, calcimines, enamels, etc.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1935 TO 1939

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	1,166	22,334	$31,701,798	$245,570,837	$434,960,890	$189,390,053	25,261
1937	1,037	25,135	34,313,228	264,382,190	453,865,808	189,483,618	[4]
1935 [5]	993	21,690	25,323,496	195,826,900	349,788,826	153,961,926	[6]

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] Not called for on schedule.
[5] No comparable figures for earlier years.
[6] 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	Connecticut	District of Columbia	Florida	Georgia	Illinois	Indiana	Iowa
Number of establishments [1]	1,166	128	5	13	3	14	10	114	27	8
Proprietors and firm members	386	84	----	4	3	2	1	36	4	3
Persons reported by manufacturing establishments, total [2]	38,154	2,584	112	320	8	74	167	5,449	968	76
Salaried officers of corporations [2]	1,439	80	2	20	1	10	14	145	50	6
Manufacturing:										
Salaried employees [2]	5,826	415	8	49	1	17	19	917	108	12
Wage earners (average for the year) [3]	22,334	1,451	71	215	5	30	89	3,432	489	35
Distribution	8,095	581	31	35	1	12	37	875	295	19
Construction	166	37	----	1	----	----	2	16	8	----
Other	294	20	----	----	----	5	6	64	18	4
Salaries and wages, total [2]	$70,395,207	$4,664,063	$161,080	$501,980	$9,114	$88,915	$263,543	$10,622,621	$2,171,037	$97,399
Salaried officers [2]	9,038,114	372,310	12,396	77,095	2,800	24,223	69,757	1,165,919	326,646	13,599
Manufacturing:										
Salaries [2]	11,968,838	845,311	15,874	94,887	1,000	19,708	41,356	1,905,341	232,141	15,116
Wages	31,701,798	2,267,812	70,073	248,543	3,614	29,444	86,695	5,102,317	638,733	37,052
Distribution	17,072,762	1,076,950	62,737	78,195	1,700	13,380	60,775	2,374,794	911,713	30,968
Construction	278,084	79,689	----	3,260	----	----	2,160	28,479	11,463	----
Other	335,611	21,991	----	----	----	2,160	2,800	45,771	50,341	664
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	245,570,837	20,590,076	732,177	1,610,357	74,212	286,952	867,042	42,836,804	4,794,868	469,348
Materials, supplies, and containers	241,438,815	20,360,736	719,059	1,575,126	72,956	284,026	851,679	42,168,792	4,722,200	463,994
Fuel	1,853,657	60,204	2,689	18,355	125	352	3,727	365,217	31,596	1,459
Purchased electric energy	2,136,758	136,255	10,429	16,876	1,131	2,574	8,180	284,704	41,072	3,895
Contract work	141,607	32,881	----	----	----	----	3,456	18,091	----	----
Value of products	434,960,890	33,202,680	1,441,161	2,934,820	102,065	503,033	1,588,092	71,229,972	9,376,700	668,957
Value added by manufacture [3]	189,390,053	12,612,604	708,984	1,324,463	27,853	216,081	721,050	28,393,168	4,581,832	229,609

See footnotes at end of table.

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

ITEM	Kentucky	Louisiana	Maryland	Massachusetts	Michigan	Minnesota	Missouri	Nebraska	New Jersey	New York	North Carolina
Number of establishments [1]	24	13	22	47	62	23	46	4	101	168	4
Proprietors and firm members		2	16	7	19	14	17		19	42	
Persons reported by manufacturing establishments, total [2]	821	301	502	1,241	2,946	504	1,523	37	5,354	4,541	103
Salaried officers of corporations [3]	42	17	28	67	78	21	75	7	141	230	11
Manufacturing:											
Salaried employees [3]	96	24	91	144	573	79	162	5	995	526	21
Wage earners (average for the year) [3]	485	166	278	666	1,830	250	856	11	3,269	2,597	49
Distribution	192	89	103	349	447	151	406	14	882	1,139	22
Construction	4	3	2	5	13		6		34	8	
Other	2	2		10	5	3	18		33	41	
Salaries and wages, total [3]	$1,616,658	$377,383	$808,111	$2,214,882	$5,565,172	$871,982	$2,575,911	$70,144	$9,682,187	$9,084,562	$212,494
Salaried officers [3]	299,342	40,512	221,277	446,311	488,760	101,331	386,524	24,756	934,292	1,591,238	49,468
Manufacturing:											
Salaries [3]	195,998	47,096	145,866	259,903	1,340,051	157,716	289,309	10,096	1,918,023	1,108,504	37,938
Wages	657,445	167,948	250,223	798,088	2,747,904	349,903	1,055,815	13,457	4,960,169	3,726,645	51,340
Distribution	458,432	116,388	187,854	693,504	954,174	259,572	804,081	21,835	1,788,274	2,584,227	73,748
Construction	4,126	3,939	2,891	5,827	29,092		10,252		45,670	13,529	
Other	1,315	1,500		11,249	5,191	3,460	29,930		35,759	60,419	
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	5,241,141	1,368,540	2,204,161	6,265,795	20,275,917	2,361,349	9,345,436	115,853	34,570,048	27,008,252	880,188
Materials, supplies, and containers	5,152,318	1,348,556	2,167,514	6,134,836	19,939,019	2,313,288	9,234,814	112,968	33,828,945	26,535,112	873,832
Fuel	33,254	2,785	11,904	58,593	107,027	29,615	35,144	888	438,146	182,163	3,655
Purchased electric energy	55,569	17,199	24,743	72,366	229,779	18,446	75,478	1,997	272,685	276,468	2,701
Contract work					92				30,272	14,509	
Value of products	9,218,013	2,083,558	3,838,237	11,704,739	38,276,257	4,315,550	14,999,089	233,598	62,585,006	49,464,331	1,590,274
Value added by manufacture [4]	3,976,872	715,018	1,634,076	5,438,944	18,000,340	1,954,201	5,653,653	117,745	28,014,958	22,456,079	710,086

ITEM	Ohio	Oregon	Pennsylvania	South Carolina	Tennessee	Texas	Virginia	Washington	West Virginia	Wisconsin	Other States [5]
Number of establishments [1]	105	10	98	5	9	25	9	16	4	21	28
Proprietors and firm members	27	5	42	5	3	10	7	4		1	9
Persons reported by manufacturing establishments, total [2]	4,319	123	3,397	58	326	388	150	189	32	1,036	509
Salaried officers of corporations [3]	126	5	121	2	13	26	15	19	7	27	33
Manufacturing:											
Salaried employees [3]	639	14	516	5	45	32	19	11	10	188	85
Wage earners (average for the year) [3]	2,616	76	1,984	32	203	193	71	71	12	576	230
Distribution	921	28	750	19	63	131	43	71	3	241	145
Construction	7		9			3					8
Other	10		17		2	3	2	17		4	8
Salaries and wages, total [3]	$7,868,371	$181,233	$5,898,030	$74,239	$526,039	$557,456	$219,631	$333,301	$64,053	$2,081,004	$932,612
Salaried officers [3]	995,136	14,940	639,263	12,800	102,044	106,320	68,899	77,647	23,349	171,145	178,015
Manufacturing:											
Salaries [3]	1,412,509	32,162	1,010,863	11,115	80,654	57,817	35,658	23,497	21,470	424,990	176,809
Wages	3,630,413	93,069	2,975,250	23,709	208,432	208,365	63,090	91,689	11,834	870,098	262,629
Distribution	1,809,551	38,636	1,239,551	26,615	132,829	180,466	50,375	119,744	7,400	612,772	301,522
Construction	12,244	2,426	15,053			3,001					4,983
Other	8,518		18,050		2,080	1,487	1,609	20,724		1,999	8,594
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	24,591,851	907,213	21,998,238	292,261	2,233,909	2,380,074	833,356	940,747	192,019	7,123,772	2,178,881
Materials, supplies, and containers	24,097,378	898,504	21,630,756	289,086	2,211,860	2,353,390	821,165	929,991	189,717	7,011,983	2,145,215
Fuel	197,561	1,424	179,296	410	7,585	5,045	4,223	1,727	566	58,524	10,398
Purchased electric energy	264,800	7,285	178,392	2,765	14,464	21,639	7,968	9,029	1,736	52,865	23,268
Contract work	32,112		9,794							400	
Value of products	49,858,134	1,185,640	37,089,825	432,725	3,278,748	4,457,252	1,419,759	1,519,511	273,608	12,088,721	3,970,835
Value added by manufacture [4]	25,266,283	278,427	15,091,587	140,464	1,044,839	2,077,178	586,403	578,764	81,589	4,964,949	1,791,954

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Alabama, 3 establishments; Arizona, 2; Delaware, 1; Kansas, 1; Maine, 1; Mississippi, 2; Montana, 1; Oklahoma, 4; Rhode Island, 9; South Dakota, 1; Utah, 1; Vermont, 1; Wyoming, 1.

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

	1939	1937
Paints, Varnishes, and Lacquers industry, all products, total value	$434,960,890	$453,865,808
Paints, varnishes, lacquers, and related products	405,219,793	[1] 421,387,828
Scrap and salable refuse	3,382,016	
Miscellaneous products	4,133,410	[1] 32,477,980
Receipts for contract and commission work	342,186	
Other products (not classified in the industry)	[2] 21,883,485	
Paints, varnishes, and lacquers, aggregate value	418,448,635	[1] 435,249,000
Made in the "Paints, varnishes, and lacquers" industry	405,219,793	[1] 421,387,828
Made as secondary products in the "Colors and pigments" industry	2,912,674	
Made as secondary products in the "Printing ink" industry	2,094,249	[1] 13,861,172
Made as secondary products in the "Chemicals not elsewhere classified" industry	1,718,763	
Made as secondary products in other industries in the "Chemicals and allied products" group	1,621,365	
Made as secondary products in other industries	4,881,791	

[1] Revised.
[2] Includes, in order of value, colors and pigments, roof coatings (other than paint), linseed oil, paint and varnish remover, insecticides, polishes, waxes, caulking compounds, etc.

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

PRODUCT	1939	1937
Paints, varnishes, lacquers, etc., aggregate value	$418,448,635	[1] $435,249,000
Paints, total value	$192,065,895	$200,846,090
Water paints and calcimines, dry or paste:		
Pounds	151,215,382	150,876,099
Value	$8,002,902	$7,621,816
Plastic paints:		
Pounds	11,959,956	15,563,978
Value	$927,675	$1,103,321
Paints in paste form:		
Total pounds	254,409,405	269,826,849
Total value	$25,132,360	$28,540,716
White lead in oil, pure—		
Pounds	129,348,353	137,270,304
Value	$10,629,967	$14,151,510
Combination or graded whites—		
Pounds	65,466,754	60,138,990
Value	$5,834,982	$5,266,312
Red lead in oil—		
Pounds	3,428,422	4,505,341
Value	$365,397	$538,056
Zinc oxide in oil—		
Pounds	4,973,664	6,320,816
Value	$522,080	$603,535
Colors in oil—		
Pounds	20,009,898	22,680,448
Value	$3,585,181	$3,947,462
Colors in japan—		
Pounds	1,165,384	1,863,757
Value	$341,424	$515,039
Other paste paints—		
Pounds	30,016,930	37,047,193
Value	$3,853,329	$3,518,802
Ready-mixed and semipaste paints:		
Total gallons	107,859,374	110,248,103
Total value	$158,002,958	$163,580,237
Paints in oil ready mixed—		
Gallons	42,290,868	47,856,739
Value	$72,326,672	$79,318,969
Undercoatings and primers—		
Gallons	11,831,981	12,274,336
Value	$15,280,604	$14,828,425
Wall paints and mill whites, flat or gloss—		
Gallons	27,604,076	26,336,967
Value	$39,432,881	$38,166,221
Stains (not varnish stains)—		
Gallons	4,218,774	3,877,926
Value	$4,567,527	$4,153,098

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

PRODUCT	1939	1937
Paints—Continued.		
Ready-mixed and semipaste paints—Continued.		
Bituminous paints (not including roof coatings)—		
Gallons	3,658,856	19,902,135
Value	$1,479,482	$27,113,524
Other ready-mixed and semipaste paints—		
Gallons	18,254,819	
Value	$24,915,792	
Varnishes, lacquers, enamels, and japans, total value	$217,750,572	$226,002,701
Varnishes, total value	$64,672,172	$64,730,411
Synthetic-oleoresinous, straight or modified (100 percent synthetic resin):		
Gallons	23,826,438	21,395,395
Value	$29,749,764	$25,563,505
Other resinous, except synthetic (100 percent natural resin):		
Gallons	14,113,029	15,910,811
Value	$14,046,358	$16,697,577
Spirit, not turpentine:		
Gallons	7,787,560	8,447,485
Value	$8,415,421	$8,757,672
Other varnishes:		
Gallons	12,653,264	15,676,926
Value	$12,460,629	$13,711,567
Varnish stains:		
Gallons	2,236,103	2,160,801
Value	$3,583,920	$3,567,419
Nitrocellulose (pyroxylin) products, total value	$64,316,521	$72,272,824
Clear lacquers:		
Gallons	13,749,696	14,627,088
Value	$17,477,749	$22,536,577
Pigmented lacquers:		
Gallons	12,569,013	14,017,454
Value	$27,749,457	$28,380,288
Thinners:		
Gallons	22,410,389	24,145,856
Value	$14,224,916	$15,630,598
Lacquer bases and dopes:		
Gallons	3,094,391	4,057,056
Value	$3,337,663	$4,758,045
Other nitrocellulose products, value	$1,526,736	$967,316
Enamels, total value	$75,957,940	$75,270,124
Oil, ester-gum, and natural-resin varnish base:		
Gallons	18,908,607	24,201,976
Value	$33,106,479	$39,029,634
Synthetic-resin (oil, straight, or modified):		
Gallons	21,341,559	18,196,244
Value	$42,851,461	$36,240,490
Japans:		
Drying japans and driers—		
Gallons	2,784,203	3,522,010
Value	$2,290,631	$2,946,870
Baking japans—		
Gallons	1,939,737	3,266,880
Value	$1,541,047	$2,507,547
Other products of the varnish group, value	$5,388,341	$4,707,506
Fillers, total value	$1,655,460	[1] $1,964,962
Liquid:		
Gallons	284,259	252,377
Value	$364,084	$236,470
Paste:		
Pounds	14,781,320	16,591,855
Value	$1,249,416	$1,689,348
Dry:		
Pounds	1,098,035	[1] 994,898
Value	$41,960	[1] $39,144
Putty:		
Pounds	103,232,417	[1] 93,290,683
Value	$3,811,368	[1] $3,770,896
Bleached shellac:		
Pounds	16,288,716	14,639,005
Value	$3,165,340	$2,664,351

[1] Revised.

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

PRODUCT AND STATE	Number of establishments	Quantity	Value
PAINTS			
		Pounds	
Water paints and calcimines, dry or paste, total	146	151,215,382	$8,002,902
California	26	16,357,190	861,608
Florida	6	1,271,320	74,437
Illinois	14	33,423,694	1,613,696
Maryland	4	2,441,416	132,891
Massachusetts	6	256,699	19,679
Minnesota	3	96,500	8,445
New York	24	46,799,914	2,487,933
Pennsylvania	8	121,616	12,104
Ind., 2 est.; Iowa, 2; Kans., 1; Tenn., 3	8	238,239	13,116
Mich., 6 est.; Ohio, 8	14	10,876,071	844,343
Ala., 1 est.; Conn., 1; Ga., 1; La., 4; Mo., 5; N. J., 10; Okla., 1; Oreg., 1; R. I., 1; Tex., 3; Wash., 4; Wis., 1	33	39,332,723	1,934,650
Plastic paints, total	86	11,959,956	927,675
California	13	1,554,775	92,978
Illinois	10	1,610,351	79,039
New Jersey	8	1,024,734	84,079
New York	15	3,190,807	187,331
Ohio	7	2,528,793	313,864
Ky., 2 est.; Tenn., 1	3	388,366	24,855
La., 2 est.; Tex., 3	5	164,037	13,319
Ind., 2 est.; Iowa, 2; Mich., 3; Minn., 2; Mo., 3; Wis., 2	14	337,666	63,556
Del., 1 est.; Fla., 2; Md., 3; Mass., 3; Pa., 1; Wash., 1	11	1,160,427	68,654
Paints in paste form			
Combination or graded whites, total	267	65,466,754	5 834,982
California	65	12,347,346	1,162,611
Indiana	7	118,331	15,765
Louisiana	4	62,006	4,776
Massachusetts	13	1,088,392	105,389
Michigan	10	214,316	30,971
Missouri	8	369,411	41,211
Nebraska	4	53,775	5,816
New Jersey	17	2,103,811	312,759
New York	22	1,609,353	181,631
Ohio	15	603,823	76,543
Tennessee	4	55,641	4,798
Del., 1 est.; Md., 6; Pa., 20	27	2,393,441	276,109
Ill., 19 est.; Ky., 8; Va., 2; Wis., 7	36	37,807,890	3,084,329
Okla., 2 est.; Tex., 4	6	571,177	53,339
Oreg., 4 est.; Wash., 5	9	1,483,702	144,204
Ariz., 2 est.; Colo., 3; Conn., 1; Fla., 2; Ga., 3; Iowa, 1; Maine, 1; Minn., 3; R. I., 2; S. C., 2	20	4,584,339	334,731
Red lead in oil, total	108	3,428,422	365,397
Colorado	3	12,400	2,068
Illinois	10	405,784	38,079
Kentucky	3	21,176	1,824
Louisiana	4	40,040	3,954
Minnesota	4	29,500	3,300
New Jersey	4	56,650	6,129
New York	15	915,283	103,605
Pennsylvania	8	468,629	51,574
Wisconsin	3	19,600	2,630
Md., 6 est.; Tenn., 3; Va., 1	10	140,552	13,535
Ala., 2 est.; Fla., 3; Ga., 1	6	9,800	2,313
Ind., 5 est.; Ohio, 5	10	355,789	32,779
Iowa, 2 est.; Mich., 3	5	30,700	3,736
Ariz., 1 est.; Calif., 8; Del., 1; Mass., 2; Mo., 4; Mont., 1; Nebr., 1; Tex., 5	23	922,519	99,871
Colors in oil, total	413	20,009,898	3,585,181
California	61	988,222	235,122
Colorado	5	77,165	16,992
Illinois	28	3,854,939	735,039
Kentucky	10	266,240	31,598
Maryland	10	495,415	36,480
Massachusetts	17	819,794	129,074
Michigan	20	474,979	178,782
Minnesota	12	207,388	46,961
Missouri	22	764,311	165,475
Nebraska	4	10,668	2,338
New Jersey	21	1,817,936	349,316
New York	46	3,732,611	566,866
Ohio	33	1,088,348	212,480
Oregon	4	54,218	9,969
Pennsylvania	34	3,180,552	428,049
Tennessee	7	43,689	9,337
Texas	13	173,767	32,323
Virginia	4	38,045	11,250
PAINTS—continued			
Paints in paste form—Continued			
Colors in oil—Continued.		*Pounds*	
Ind., 10 est.; Iowa, 3; Wis., 8	21	911,733	$218,485
Ala., 2 est.; Ga., 3; N. C., 2; S. C., 3	10	319,070	77,609
Ariz., 2 est.; Conn., 4; Del., 1; D. C., 1; Fla., 1; La., 8; Maine, 1; Okla., 3; R. I., 2; Utah, 1; Wash., 6; W. Va., 1	31	690,808	91,636
Colors in japan, total	120	1,165,384	341,424
California	14	121,961	47,318
Illinois	14	194,037	46,791
Michigan	11	73,804	16,637
New York	10	330,920	125,799
Ohio	11	95,444	37,110
Pennsylvania	18	125,988	30,103
Ind., 3 est.; Ky., 5	8	32,203	4,215
Iowa, 1 est.; Minn., 2; Mo., 3	6	10,185	2,177
Ala., 1 est.; Colo., 2; Conn., 2; Del., 1; La., 1; Md., 4; Mass., 3; Nebr., 1; N. J., 3; N. C., 1; Oreg., 3; Tenn., 1; Tex., 1; Wis., 4	28	180,842	31,274
Other paste paints, total	259	30,016,930	3,853,329
California	38	2,950,302	282,467
Illinois	22	3,590,188	387,512
Indiana	6	187,465	20,683
Louisiana	5	249,800	21,433
Massachusetts	9	628,295	60,980
Michigan	16	2,421,178	421,233
Minnesota	5	177,816	20,384
Missouri	15	1,773,746	250,587
New Jersey	17	2,924,137	326,111
New York	22	1,128,226	180,807
Ohio	20	1,742,853	387,829
Pennsylvania	22	5,440,642	525,028
Texas	8	791,988	85,663
Washington	7	403,671	45,925
Ala., 1 est.; Fla., 2; Ga., 1	4	124,050	20,621
Ky., 7 est.; Tenn., 5	12	3,246,083	528,707
N. C., 1 est.; Va., 2	3	273,069	29,857
D. C., 1 est.; Md., 8	9	735,512	116,373
Ariz., 1 est.; Colo., 2; Nebr., 1	4	27,706	3,442
Conn., 1 est.; Okla., 1; Oreg., 4; R. I., 2; Wis., 7	15	1,200,203	137,687
Ready-mixed and semipaste paints		*Gallons*	
Paints in oil, ready-mixed, total	725	42,290,868	72,326,672
California	88	2,971,527	4,873,115
Colorado	5	233,912	411,098
Connecticut	7	144,983	240,360
District of Columbia	3	40,050	64,050
Florida	6	15,543	32,004
Georgia	6	151,460	307,906
Illinois	57	8,725,209	14,456,251
Indiana	19	889,248	1,697,920
Iowa	7	276,544	377,752
Kentucky	16	830,155	1,350,825
Louisiana	10	483,728	488,189
Maryland	19	775,301	1,293,801
Massachusetts	25	1,307,513	2,481,520
Michigan	43	1,850,657	3,025,967
Minnesota	19	1,122,778	1,961,447
Missouri	32	2,338,261	3,852,816
Nebraska	4	40,012	64,919
New Jersey	38	3,759,758	6,812,477
New York	79	4,260,226	6,927,401
Ohio	73	5,080,116	9,352,559
Oregon	8	137,408	224,346
Pennsylvania	67	3,402,496	5,652,525
Tennessee	8	568,277	998,444
Texas	20	772,289	1,254,464
Virginia	7	151,399	259,528
Washington	12	187,552	325,800
West Virginia	4	56,000	94,378
Wisconsin	18	1,106,455	2,211,433
N. C., 2 est.; S. C., 5	7	95,421	179,126
Ala., 3 est.; Ariz., 2; Del., 1; Kans., 1; Maine, 1; Okla., 3; R. I., 4; S. Dak., 1; Utah, 1; Wyo., 1	18	516,590	1,054,251
Undercoatings and primers, total	553	11,831,981	15,280,604
California	81	1,138,061	1,739,994
Colorado	4	29,893	47,086
Florida	6	8,599	13,524
Illinois	47	1,366,184	1,741,223
Indiana	14	197,193	315,020
Iowa	4	3,800	6,265
Kentucky	12	149,273	236,254
Louisiana	8	22,310	21,303
Massachusetts	16	76,662	107,579
Michigan	35	3,465,634	3,487,901

See footnotes at end of table.

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

PRODUCT AND STATE	Number of establishments	Quantity	Value
PAINTS—continued			
Ready-mixed and semipaste paints—Continued			
Undercoatings and primers—Continued		Gallons	
Minnesota	11	33,243	$52,435
Missouri	26	269,625	439,117
New Jersey	34	793,761	1,136,959
New York	56	1,101,969	1,475,170
Ohio	57	1,347,366	1,783,577
Oregon	7	67,201	92,630
Pennsylvania	40	754,563	1,054,573
Tennessee	7	44,559	64,578
Texas	13	137,017	191,676
Washington	12	43,560	73,667
Wisconsin	15	386,955	585,163
Ala., 2 est.; Ga., 3; Miss., 1	6	24,640	41,541
N. C., 3 est.; S. C., 4; Va., 5	12	78,777	101,416
Kans., 1 est.; Nebr., 3; Okla., 3	7	31,119	48,046
Ariz., 1 est.; Mont., 1; S. Dak., 1; Utah, 1; Wyo., 1	5	12,834	15,490
Conn., 2 est.; Del., 1; D. C., 1; Maine, 1; Md., 9; R. I., 3; W. Va., 1	18	247,183	408,417
Wall paints and mill whites—flat or gloss, total	618	27,604,076	39,432,881
California	74	1,601,223	2,473,493
Colorado	4	70,338	116,903
Connecticut	6	70,440	105,013
Florida	5	16,296	20,380
Illinois	49	4,875,636	6,652,204
Indiana	16	625,830	989,711
Iowa	5	61,200	83,614
Kentucky	15	352,728	517,789
Louisiana	9	169,475	144,963
Maryland	13	192,929	247,291
Massachusetts	18	434,019	692,883
Michigan	38	1,318,754	2,163,436
Minnesota	16	349,673	517,269
Missouri	25	807,813	1,273,115
Nebraska	4	18,604	22,956
New Jersey	37	3,584,446	5,009,524
New York	85	6,469,107	7,699,910
Ohio	60	2,328,812	3,696,209
Oregon	7	63,683	89,306
Pennsylvania	42	1,332,461	2,480,979
South Carolina	5	18,491	36,975
Tennessee	8	229,004	323,064
Texas	13	201,126	291,062
Virginia	5	54,166	78,348
Washington	13	156,394	181,015
Wisconsin	16	1,360,914	2,091,667
Ariz., 2 est.; Mont., 1; S. Dak., 1; Utah, 1; Wyo., 1	6	46,978	81,201
Ala., 3 est.; Del., 1; D. C., 1; Ga., 5; Kans., 1; Maine, 1; Miss., 2; N. C., 2; Okla., 3; R. I., 2; Vt., 1; W. Va., 2	24	793,536	1,352,601
Stains (not varnish stains), total	417	4,218,774	4,567,527
California	57	534,709	500,033
Colorado	5	5,957	8,359
Georgia	5	3,667	4,527
Illinois	40	469,813	520,963
Indiana	14	494,658	502,845
Kentucky	13	199,334	151,781
Louisiana	10	59,137	44,719
Maryland	8	8,240	9,051
Michigan	26	292,614	356,083
Minnesota	10	20,823	22,577
Missouri	13	66,447	73,854
New Jersey	18	518,483	579,754
New York	30	199,772	291,378
Ohio	41	266,580	353,757
Oregon	8	24,502	19,643
Pennsylvania	33	246,205	341,600
Tennessee	7	36,345	27,851
Texas	7	52,566	53,814
Washington	8	27,089	19,374
Wisconsin	10	98,026	150,632
Ala., 3 est.; Fla., 6	9	36,026	45,837
N. C., 4 est.; S. C., 4; Va., 4	12	251,682	205,687
Conn., 4 est; Mass., 13; R. I., 2	19	296,768	274,564
Ariz., 1 est.; Del., 1; D. C., 1; Iowa, 3; Maine, 1; Mont., 1; Nebr., 2; Okla., 2; Utah, 1; W. Va., 1	14	9,331	8,844
Bituminous paints (not including roof paints), total	115	3,658,856	1,479,482
California	15	159,875	128,754
Illinois	10	1,079,713	430,957
Kentucky	4	26,379	8,343
New Jersey	11	1,069,940	356,435
New York	8	76,318	$61,382
Ohio	10	215,713	94,576
Pennsylvania	10	388,358	81,488
Oreg., 3 est.; Wash., 3	6	50,772	27,180
Ind., 4 est; Mich., 10; Minn., 2; Wis., 2	18	110,132	72,800
Ala., 1 est.; Ga., 1; Miss., 1; Tenn., 2	5	56,581	51,678
Ariz., 1 est.; Colo., 2; Fla., 1; Md., 5; Mass., 1; Mo., 1; Okla., 2; Tex., 3; Utah, 1; Vt., 1	18	425,075	165,889
Other ready-mixed and semipaste paints	488	18,254,819	24,915,792
California	51	2,077,031	3,632,463
Colorado	6	89,750	141,475
Florida	10	45,002	74,472
Georgia	6	86,167	114,207
Illinois	43	2,317,952	2,611,034
Indiana	10	191,670	254,989
Kentucky	11	665,766	775,815
Louisiana	9	313,320	164,821
Maryland	10	210,803	215,783
Massachusetts	20	350,157	574,035
Michigan	22	630,541	1,026,672
Minnesota	10	96,735	147,790
Missouri	20	458,129	708,345
New Jersey	46	2,756,196	3,775,138
New York	46	1,854,553	2,758,745
Ohio	51	2,310,814	2,845,505
Oregon	8	100,093	143,540
Pennsylvania	42	2,439,566	3,354,956
South Carolina	5	18,073	34,511
Tennessee	9	155,866	183,495
Texas	11	234,193	374,027
Washington	9	155,233	210,638
Ark., 1 est.; Okla., 3	4	66,330	55,724
Conn., 2 est.; R. I., 1	3	28,186	40,910
Ariz., 2 est.; Utah, 1	3	8,260	9,560
Iowa, 2 est.; Kans., 1; Nebr., 1	4	35,305	57,835
D. C., 1 est.; N. C., 1; Va., 4; W. Va., 1	7	120,305	169,671
Ala., 3 est.; Del., 1; Maine, 1; Wis., 7	12	438,818	459,636
VARNISHES, LACQUERS, ENAMELS, AND JAPANS			
Varnishes, synthetic-oleoresinous, straight or modified (100 percent synthetic resin), total	388	23,826,438	29,749,764
California	50	1,325,158	1,557,703
Illinois	35	4,567,181	5,866,188
Indiana	6	472,151	751,232
Kentucky	12	1,875,412	1,515,066
Maryland	5	57,922	64,210
Massachusetts	12	768,531	1,353,549
Michigan	19	749,849	1,117,774
Minnesota	9	212,294	327,404
Missouri	14	1,717,558	1,925,648
New Jersey	32	2,798,239	3,321,715
New York	50	3,046,893	4,203,768
Ohio	45	2,191,426	2,674,845
Pennsylvania	35	1,845,641	2,138,076
Texas	11	317,841	424,402
Washington	7	39,738	49,671
Wisconsin	10	687,805	994,665
Ariz., 2 est.; Utah, 1; Wyo., 1	4	4,019	6,148
N. C., 1 est.; Tenn., 3; Va., 2; W. Va., 1	7	250,587	251,175
Ala., 1 est.; Fla., 2; Miss., 1; S. C., 1	5	8,830	11,361
Colo., 3 est.; Conn., 4; Ga., 2; La., 3; Maine, 1; Nebr., 1; Okla., 2; Oreg., 3; R. I., 1	20	889,063	1,195,164
Varnishes, other resinous, except synthetic (100 percent natural resin), total	273	14,113,029	14,046,358
California	36	1,375,237	1,171,010
Florida	3	3,739	4,110
Illinois	27	3,306,514	3,044,980
Kentucky	8	503,178	396,114
Massachusetts	6	179,809	217,810
Michigan	17	880,384	1,292,220
Minnesota	9	324,263	467,275
Missouri	8	954,336	969,374
New Jersey	26	1,414,636	1,451,676
New York	33	1,721,184	1,507,414
Ohio	27	1,027,487	1,146,196
Pennsylvania	29	1,193,050	1,026,323
Texas	9	219,736	341,865
Oreg., 2 est.; Wash., 3	5	6,415	5,334
N. C., 1 est.; S. C., 1; Tenn., 1; Va., 2	5	236,946	216,906
Ala., 2 est.; Ariz., 1; Colo., 1; Conn., 1; D. C., 1; Ga., 1; Ind., 5; Iowa, 1; La., 3; Maine, 1; Md., 4; Okla., 1; Wis., 3	25	766,115	787,751

See footnotes at end of table.

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

PRODUCT AND STATE	Number of establishments	Quantity	Value
VARNISHES, LACQUERS, ENAMELS, AND JAPANS—CON.			
Varnishes, spirit, not turpentine, total	211	Gallons 7,787,560	$8,415,421
California	22	703,963	618,432
Illinois	20	918,430	1,022,300
Massachusetts	12	487,740	500,143
Michigan	11	493,271	602,838
Missouri	10	224,830	200,475
New Jersey	19	909,935	891,264
New York	34	2,512,306	2,640,935
Ohio	16	100,314	133,215
Pennsylvania	18	348,276	391,696
Rhode Island	3	56,045	46,151
Texas	5	30,731	54,866
Ala., 1 est.; Ga., 2; N. C., 2	5	64,058	61,808
Ky., 4 est.; Md., 3; Tenn., 2; Va., 3	12	445,250	745,845
Colo., 2 est.; Conn., 3; Del., 1; Ind., 2; La., 4; Minn., 2; Nebr., 1; Okla., 2; Oreg., 2; S. C., 1; Utah, 1; Wash., 2; Wis., 1	24	492,411	505,453
Other varnishes, total	283	12,653,264	12,460,629
California	31	609,456	536,146
Florida	4	2,499	4,400
Illinois	37	2,485,175	2,431,010
Kentucky	5	296,457	281,630
Maryland	8	154,170	91,125
Massachusetts	7	353,022	368,217
Michigan	10	255,582	453,260
Minnesota	5	37,556	52,256
Missouri	12	796,913	815,085
New Jersey	25	2,864,098	2,730,340
New York	38	1,606,358	1,631,230
Ohio	36	1,657,873	1,521,384
Pennsylvania	25	1,044,908	913,574
Oreg., 2 est.; Wash., 3	5	14,536	20,260
Tenn., 2 est.; Va., 3; W. Va., 1	6	104,036	99,250
La., 2 est.; Miss., 1; Okla., 3; Tex., 5	11	52,802	89,892
Ariz., 1 est.; Colo., 1; Conn., 4; D. C., 2; Ind., 5; Iowa, 1; Maine, 1; Nebr., 1; Wis., 2	18	317,823	421,570
Varnish stains, total	341	2,236,103	3,583,920
California	34	72,770	119,011
Colorado	4	4,387	8,469
Illinois	29	395,254	573,779
Kentucky	7	43,975	68,452
Maryland	10	32,374	58,983
Minnesota	9	28,502	35,898
Missouri	20	193,086	323,201
New Jersey	24	418,258	666,336
New York	31	166,255	284,631
Ohio	38	142,769	281,183
Pennsylvania	33	238,973	310,641
Tennessee	6	36,213	51,165
Texas	10	15,410	31,791
Washington	6	2,018	2,152
Conn., 3 est.; Mass., 8	11	124,955	187,791
Nebr., 2 est.; Okla., 3	5	1,561	2,033
Ind., 10 est.; Mich., 13; Wis., 7	30	206,501	394,829
Ga., 5 est.; N. C., 2; S. C., 2; Va., 4	13	85,282	139,675
Ala., 2 est.; Ariz., 2; Del., 1; D. C., 1; Fla., 2; La., 6; Maine, 1; Oreg., 3; R. I., 1; W. Va., 2	21	27,560	43,900
Nitrocellulose (pyroxylin) products			
Clear lacquers, total	247	13,749,696	17,477,749
California	29	508,886	651,983
Illinois	35	1,531,609	2,270,161
Indiana	12	579,016	725,680
Kentucky	4	452,582	491,116
Massachusetts	12	644,952	920,921
Michigan	14	944,174	1,248,683
Missouri	8	80,628	91,061
New Jersey	34	3,577,742	4,837,392
New York	26	1,976,385	1,851,654
Ohio	24	1,180,297	1,764,456
Pennsylvania	15	390,634	489,005
Rhode Island	4	125,336	149,128
Wisconsin	7	134,821	201,409
Oreg., 3 est.; Wash., 3	6	186,347	126,142
Ga., 1 est.; N. C., 3; S. C., 1; Tenn., 2; Va., 1	8	865,948	866,785
Colo., 1 est.; Conn., 3; Md., 2; Minn., 1; Tex., 1; Vt., 1	9	570,339	792,173
Pigmented lacquers, total	249	12,569,013	27,749,457
California	35	863,388	1,838,899
Illinois	31	1,482,433	3,290,203
Indiana	8	219,684	391,935
Massachusetts	8	201,901	439,830
Michigan	21	3,112,340	6,647,770
Missouri	9	175,383	273,935
New Jersey	34	3,601,387	9,417,802
New York	22	387,024	819,298
North Carolina	3	32,550	59,625
Ohio	26	1,138,941	2,605,100
Oregon	3	13,411	$18,547
Pennsylvania	14	217,824	369,787
Rhode Island	4	47,598	100,760
Washington	5	51,800	64,959
Colo., 1 est.; Conn., 3; Ga., 2; Ky., 5; Maine, 1; Minn., 1; S. C., 1; Tenn., 1; Tex., 2; Vt., 1; Va., 1; Wis., 7	26	1,023,349	1,411,007
Thinners, total	307	22,410,389	14,224,916
California	38	2,017,492	1,170,619
Connecticut	4	321,087	267,651
Illinois	40	1,880,068	1,308,205
Indiana	9	257,771	191,285
Kentucky	5	138,870	55,763
Michigan	23	6,090,058	3,086,951
Missouri	12	244,372	173,728
New Jersey	40	5,761,036	4,205,348
New York	33	1,918,770	1,258,614
Ohio	29	1,024,084	831,419
Oregon	4	79,336	38,920
Pennsylvania	15	437,902	315,125
Rhode Island	4	89,298	56,108
Washington	4	25,290	18,810
Wisconsin	7	380,685	300,514
Ga., 1 est.; N. C., 3; Tenn., 3	7	221,862	154,787
La., 1 est.; Okla., 2; Tex., 3	6	25,204	13,763
Md., 4 est.; Va., 3; W. Va., 1	8	104,253	89,613
Ala., 1 est.; Ariz., 1; Colo., 2; Mass., 11; Minn., 1; Nebr., 1; S. C., 1; Vt., 1	19	1,392,951	687,693
Lacquer bases and dopes, total	71	3,094,391	3,337,663
California	14	194,379	275,429
Illinois	8	78,362	141,098
New Jersey	9	1,601,389	1,754,216
Pennsylvania	5	27,452	35,701
Conn., 1 est.; R. I., 2	3	71,662	65,438
Ky., 2 est.; Mich., 4; Ohio, 6	12	528,992	642,202
Ind., 1 est.; Mass., 3; Minn., 1; Mo., 4; N. Y., 7; Tex., 1; Wash., 1; Wis., 2	20	592,155	423,519
Enamels			
Oil, ester-gum, and natural-resin varnish base, total	485	18,908,607	33,106,479
California	64	1,575,743	2,909,929
Florida	4	1,372	2,385
Georgia	5	124,866	168,754
Illinois	37	2,048,221	3,575,527
Indiana	11	453,611	943,841
Kentucky	16	472,148	842,596
Maryland	11	178,046	233,400
Massachusetts	12	402,929	1,071,031
Michigan	33	1,381,735	2,568,576
Minnesota	12	126,069	250,387
Missouri	21	868,295	1,629,267
Nebraska	3	13,410	28,647
New Jersey	29	2,041,529	3,185,347
New York	59	2,767,164	4,956,977
Ohio	44	2,641,582	4,261,745
Oregon	6	155,209	204,737
Pennsylvania	43	1,831,097	3,153,018
Texas	12	281,472	579,175
Virginia	4	36,637	79,561
Washington	8	86,469	130,972
Wisconsin	12	798,377	1,375,291
Ariz., 2 est.; Colo., 4; Utah, 1; Wyo., 1	8	62,731	149,640
Ala., 2 est.; La., 5; Miss., 1; N. C., 1; S. C., 3; Tenn., 3	15	255,052	324,925
Conn., 5 est.; Del., 1; D. C., 2; Iowa, 1; Kans., 1; Maine, 1; Okla., 3; S. Dak., 1; W. Va., 1	16	304,843	474,751
Synthetic resin (oil, straight, or modified), total	355	21,341,559	42,851,461
California	48	1,070,336	2,508,817
Illinois	32	3,181,182	6,609,494
Louisiana	3	8,490	13,523
Maryland	6	20,981	35,193
Massachusetts	7	245,854	475,691
Michigan	26	4,749,032	6,866,127
Minnesota	7	19,932	48,868
Missouri	12	277,892	636,522
New Jersey	27	1,433,221	2,731,101
New York	35	940,696	1,842,026
Ohio	37	3,735,961	8,973,436
Oregon	4	9,162	15,576
Pennsylvania	33	3,527,970	8,076,282
Tennessee	5	206,209	403,040
Texas	9	59,025	131,275
Washington	5	15,822	39,520
Ky., 10 est; N. C., 1; Va., 3	14	530,999	883,981
Other States[1]	45	1,308,795	2,560,389

See footnotes at end of table.

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

PRODUCT AND STATE	Number of establishments	Quantity	Value
VARNISHES, LACQUERS, ENAMELS, AND JAPANS—con.			
Drying japans and driers, total	248	*Gallons* 2,784,203	$2,290,631
California	35	106,216	84,563
Colorado	3	3,297	4,832
Illinois	22	429,513	279,711
Kentucky	7	41,000	18,597
Maryland	6	17,753	12,198
Massachusetts	10	38,861	37,915
Michigan	12	69,940	55,865
Missouri	13	88,245	90,776
New Jersey	18	764,417	780,654
New York	26	243,126	191,445
Ohio	30	505,859	410,135
Pennsylvania	23	323,579	185,649
Minn., 5 est.; Wis., 3	8	49,340	62,046
La., 4 est.; Tex., 5	9	36,027	28,417
Oreg., 2 est.; Wash., 3	5	3,908	3,551
Ala., 2 est; Ga., 2; Tenn., 3; Va., 1	8	39,960	27,699
Ariz., 1 est.; Conn., 1; Del., 1; Ind., 2; Iowa, 2; Okla., 1; Nebr., 2; S. C., 1; Utah, 1; W. Va., 1	13	23,162	16,578
Baking japans, total	90	1,939,737	1,541,047
California	11	34,911	32,525
Illinois	11	120,442	88,558
Massachusetts	4	10,990	9,870
Michigan	9	394,417	259,257
New Jersey	7	77,697	64,693
New York	10	300,382	235,367
Ohio	13	395,775	349,265
Other States [2]	25	605,123	501,512
Fillers, paste, total	279	*Pounds* 14,781,320	1,249,416
California	37	817,779	57,829
Illinois	32	2,042,114	251,062
Kentucky	5	84,061	9,965
Maryland	5	29,505	1,702
Massachusetts	7	112,608	13,845
Michigan	20	1,037,234	82,118
Missouri	13	149,256	20,362
New Jersey	10	470,259	58,617
New York	19	399,677	53,333
Ohio	28	903,457	76,113
VARNISHES, LACQUERS, ENAMELS, AND JAPANS—con.			
Fillers, paste—Continued.			
Pennsylvania	28	*Pounds* 4,892,289	$315,854
Tennessee	6	44,221	3,581
Texas	10	100,915	22,917
Washington	5	15,800	1,616
N. C., 4 est.; Va., 3	7	950,233	61,791
Other States [3]	47	2,731,912	218,711
Putty, total	229	103,232,417	3,811,368
California	29	8,682,769	364,647
Colorado	4	545,836	19,022
Illinois	9	17,661,076	384,555
Maryland	8	1,523,140	51,411
Massachusetts	5	6,283,920	274,289
Michigan	12	8,356,725	312,398
Minnesota	7	2,460,713	82,823
Missouri	9	8,217,724	296,728
New Jersey	10	9,144,937	293,340
New York	21	8,874,977	422,106
Ohio	11	7,208,452	304,416
Pennsylvania	30	8,136,128	465,884
Tennessee	6	1,051,892	31,085
Texas	12	3,327,800	105,049
Virginia	4	495,000	21,828
Washington	6	722,326	23,463
Wisconsin	5	3,623,611	111,509
Ind., 2 est; Iowa, 3; Ky., 3; Nebr., 2	10	2,087,562	77,825
Ala., 2 est.; Fla., 5; Ga., 2; N. C., 1; S. C., 2	12	2,289,872	80,458
Conn., 2 est.; D. C., 1; La., 6; Okla., 1; Oreg., 4; R. I., 2; Utah, 1; W. Va., 2	19	2,537,957	88,532
Bleached shellac, total	37	16,288,716	3,165,340
New York	6	7,738,407	1,502,358
Md., 1 est.; N. J., 4; Pa., 4	9	5,314,769	993,360
Ind., 1 est.; Mich., 2; Ohio, 4	7	445,102	88,428
Calif., 4 est.; Ill., 2; La., 4; Mass., 2; Mo., 1; Tenn., 1; W. Va., 1	15	2,790,438	581,194

[1] Ala., 2 est.; Ariz., 2; Colo., 3; Conn., 2; Del., 1; Fla., 3; Ga., 1; Ind., 8; Kans., 1; Maine, 1; Miss., 1; Nebr., 2; Okla., 2; R. I., 1; S. C., 1; S. Dak., 1; Utah, 1; Wis., 12.
[2] Colo., 2 est.; Conn., 2; Ind., 1; Ky., 2; La., 1; Minn., 1; Mo., 2; Pa., 10; Tenn., 1; Tex., 1; Wis., 2.
[3] Ala., 2 est.; Ariz., 1; Colo., 3; Conn., 2; Del., 1; D. C., 1; Ind., 8; Iowa, 2; La., 3; Minn., 5; Nebr., 2; Okla., 1; Oreg., 4; R. I., 1; S. C., 1; Utah, 1; Wis., 9.

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	22,334	21,149	21,412	21,778	22,271	22,598	22,897	22,584	22,503	22,652	22,920	22,688	22,562
1937	25,135	23,875	24,508	25,226	26,144	26,467	26,320	26,017	25,689	25,356	24,804	24,108	23,100
Alabama	48	43	44	45	46	49	48	49	50	50	57	53	42
California	1,451	1,368	1,400	1,431	1,444	1,451	1,493	1,498	1,498	1,466	1,474	1,448	1,438
Colorado	71	66	65	68	69	74	77	76	75	76	73	69	68
Connecticut	215	208	210	216	218	218	215	215	215	216	220	215	215
District of Columbia	5	4	4	5	5	5	5	6	6	6	6	5	4
Florida	30	28	28	28	29	30	31	31	32	30	30	30	30
Georgia	89	86	86	87	88	92	92	92	92	92	88	88	87
Illinois	3,432	3,242	3,301	3,400	3,525	3,586	3,568	3,513	3,442	3,419	3,417	3,384	3,392
Indiana	489	455	461	467	488	495	501	508	505	510	493	491	493
Iowa	35	32	32	34	35	35	36	36	36	35	36	34	34
Kentucky	485	449	463	464	477	493	496	480	490	499	503	498	504
Louisiana	166	155	155	146	160	166	169	167	165	174	174	180	182
Maryland	278	258	276	269	285	290	291	291	277	280	281	274	266
Massachusetts	666	629	636	649	659	665	664	664	655	683	698	698	691
Michigan	1,830	1,795	1,793	1,811	1,864	1,853	1,872	1,814	1,823	1,824	1,845	1,811	1,856
Minnesota	250	209	224	238	267	276	269	267	259	261	239	242	247
Missouri	856	817	834	850	866	909	888	877	864	863	848	818	832
Nebraska	11	10	10	10	11	11	11	11	11	11	10	11	10
New Jersey	3,269	3,154	3,153	3,194	3,222	3,223	3,236	3,240	3,238	3,288	3,440	3,441	3,395
New York	2,597	2,476	2,532	2,574	2,586	2,618	2,660	2,552	2,577	2,626	2,691	2,681	2,587
North Carolina	49	48	48	49	49	49	49	50	50	50	50	50	50
Ohio	2,616	2,436	2,471	2,503	2,548	2,573	2,728	2,690	2,690	2,662	2,696	2,704	2,685
Oklahoma	18	14	14	19	18	19	19	19	19	19	20	18	18
Oregon	76	71	72	71	76	80	80	79	80	80	76	71	70
Pennsylvania	1,984	1,835	1,845	1,869	1,936	2,008	2,040	2,010	2,012	2,098	2,096	2,046	2,017
Rhode Island	125	118	120	120	120	126	127	126	124	123	141	125	126
South Carolina	32	31	31	31	31	32	32	32	32	32	32	32	32
Tennessee	203	189	184	193	196	199	207	205	209	203	214	208	224
Texas	193	185	180	184	192	198	204	206	202	193	194	187	186
Virginia	71	58	61	63	66	69	73	74	72	78	80	81	77
Washington	71	63	61	65	69	74	78	76	77	76	71	70	70
West Virginia	12	12	12	12	12	12	12	12	12	12	12	12	12
Wisconsin	576	572	574	577	578	578	583	574	570	575	574	574	585

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	1,166
Reporting expenditures for plant and equipment	702
Value of products:	
Total for the industry	$434,960,890
Reporting expenditures for plant and equipment	377,938,170
Expenditures for plant and equipment:	
Total for the industry	5,462,919
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	1,883,878
Expenditures for new machinery and operating equipment	3,256,035
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	311,304
Expenditures unclassified	11,702

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

	1939	1937
Inventories:		
Beginning of year, total	$69,879,253	$83,060,376
Finished products	32,754,342	42,691,854
Materials, supplies, etc	37,124,911	40,368,522
End of year, total	79,059,863	96,721,083
Finished products	35,180,013	49,849,921
Materials, supplies, etc	43,879,850	46,871,162
Value of products for the industry, total	434,960,890	453,865,808
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	432,283,738	453,576,511
Value for establishments not reporting inventories	2,677,152	289,297

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	1,166
Number of establishments reporting power equipment	1,153
Prime movers, aggregate:	
Number	93
Horsepower	25,261
Prime movers, driving generators, total—	
Number	53
Horsepower	22,008
Steam engines—	
Number	25
Horsepower	6,390

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

	1939
Prime movers—Continued.	
Prime movers, driving generators—Continued.	
Steam turbines—	
Number	12
Horsepower	13,296
Diesel and semi-Diesel engines—	
Number	13
Horsepower	2,275
Other internal-combustion engines [2]—	
Number	3
Horsepower	47
Prime movers, driving generators, ordinarily idle (included above), horsepower	2,314
Prime movers not driving generators, total—	
Number	40
Horsepower	3,253
Steam engines—	
Number	23
Horsepower	2,244
Steam turbines—	
Number	2
Horsepower	209
Diesel and semi-Diesel engines—	
Number	6
Horsepower	490
Other internal-combustion engines [2]—	
Number	8
Horsepower	170
Hydroturbines and water wheels—	
Number	1
Horsepower	140
Prime movers not driving generators, ordinarily idle (included above), horsepower	37
Generators, kilowatt rating, total	15,303
Generators, driven by—	
Steam engines, kilowatt rating	4,410
Steam turbines, kilowatt rating	9,400
Diesel and semi-Diesel engines, kilowatt rating	1,460
Other internal-combustion engines, [2] kilowatt rating	33
Generators, ordinarily idle (included above), kilowatt rating	1,565
Electric motors, total:	
Number	27,954
Horsepower	170,499
Driven by purchased energy—	
Number	23,897
Horsepower	149,425
Driven by energy generated in establishments reporting—	
Number	4,057
Horsepower	27,074
Electric energy (kilowatt-hours):	
Generated in plant	34,540,996
Sold	5,243,341
Purchased	112,751,498

[1] Comparable data for 1929 not available.
[2] Gas, gasoline, etc.

COLORS AND PIGMENTS

[A preliminary report for this industry was issued November 18, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of colors and pigments other than bone black, carbon black, and lampblack. Artists' oil and water colors are included in the "Artists' materials" industry.

Establishments classified in this industry for 1937 and earlier years were part of the former "Paints, pigments, and varnishes" industry. For 1937, however, separate statistics were published for the colors and pigments branch of the industry and these figures are comparable with those for 1939.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1939, 1937, AND 1935

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	89	5,839	$8,114,349	$43,388,442	$83,885,847	$40,497,405	28,504
1937	87	6,529	8,437,434	47,703,225	84,594,821	36,891,596	(4)
1935 [5]	89	5,996	6,863,371	36,156,052	67,210,740	31,054,688	(6)

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] Not called for on schedule.
[5] No comparable figures for earlier years.
[6] Data not available.

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

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

ITEM	United States	Illinois	New Jersey	New York	Pennsylvania	Wisconsin	Other States [1]
Number of establishments [2]	89	6	23	12	10	3	35
Proprietors and firm members	7		1		3		3
Persons reported by manufacturing establishments, total [3]	8,018	571	2,004	1,053	565	32	3,792
Salaried officers of corporations [3]	99	5	31	21	10	5	27
Manufacturing:							
Salaried employees [3]	1,381	103	428	176	69	6	599
Wage earners (average for the year) [4]	5,839	453	1,358	674	461	17	2,875
Distribution	296	10	32	111	11	4	128
Construction	316		146	15	14		141
Other	87		9	56			22
Salaries and wages, total [3]	$13,267,077	$847,725	$3,573,078	$1,853,147	$911,234	$55,958	$6,025,935
Salaried officers [3]	688,369	40,161	276,465	122,396	58,634	27,938	162,775
Manufacturing:							
Salaries [3]	3,235,950	230,266	977,968	333,490	185,522	8,124	1,500,580
Wages	8,114,349	549,835	2,101,785	917,632	618,634	14,233	3,912,230
Distribution	725,670	27,463	64,647	326,330	28,444	5,663	273,123
Construction	331,649		144,437	20,901	20,000		146,311
Other	171,090		7,776	132,398			30,916
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	43,388,442	3,009,328	10,862,489	6,201,717	2,704,834	74,212	20,535,862
Materials, supplies, and containers	40,166,318	2,700,870	10,043,396	5,967,014	2,526,398	66,338	18,862,302
Fuel	2,188,437	217,078	644,757	157,998	107,948	869	1,059,787
Purchased electric energy	1,029,729	91,380	174,336	72,747	70,488	7,005	613,773
Contract work	3,958			3,958			
Value of products	83,885,847	4,617,798	20,971,070	10,753,334	4,729,594	185,775	42,627,776
Value added by manufacture [5]	40,497,405	1,608,470	10,108,581	4,552,117	2,024,760	111,563	22,091,914

[1] California, 4 establishments; Delaware, 2; Georgia, 2; Indiana, 3; Kansas, 1; Kentucky, 1; Maryland, 4; Massachusetts, 2; Michigan, 2; Missouri, 5; Ohio, 3; Tennessee, 2; Texas, 1; Virginia, 1; West Virginia, 2.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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
Colors and Pigments industry, total value	$83,885,847	$84,594,821
Dry colors and pigments made in the industry	78,539,663	80,349,304
Miscellaneous products not specified	1,021,544	4,245,517
Scrap and salable refuse	615,611	
Other products (not classified in this industry)	[1] 3,709,029	
Dry colors and pigments, aggregate value	113,123,102	[2] 119,343,264
Made in the "Colors and pigments" industry	78,539,663	80,349,304
Made as secondary products in the "Paints, varnishes, and lacquers" industry	7,764,730	[3] 38,993,960
Made as secondary products in the "Primary smelting and refining of nonferrous metals" industry	14,441,174	
Made as secondary products in the "Coal-tar products, crude and intermediate" and the "Chemicals not elsewhere classified" industries	8,811,764	
Made as secondary products in the "Printing ink" industry	977,924	
Made as secondary products in the "Wallpaper" industry	59,496	
Made as secondary products in other industries	2,528,351	

[1] Includes, in order of value, white lead in oil, red in oil, colors in oil, etc.
[2] Revised.
[3] Revised; in addition, establishments classified in the Wallpaper industry reported 1,031,342 pounds of dry colors as made and consumed and 10,997 pounds, valued at $17,883, made for sale.

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

PRODUCT	1939	1937
Total value	$113,123,102	[1 2] $119,343,264
C. P. chrome yellows and oranges, total production, pounds [3]	38,933,226	[1] 42,357,079
Made and consumed in same establishments, pounds	4,065,904	5,477,462
Interplant transfers:		
Pounds	8,192,570	7,455,408
Value	$1,163,033	$1,011,747
Made for sale:		
Pounds	26,674,752	[1] 29,424,209
Value	$4,036,204	[1] $4,056,940
C. P. ironblues (Prussian blue), total production, pounds	7,461,978	8,190,669
Made and consumed in same establishments, pounds	442,988	492,744
Interplant transfers:		
Pounds	1,695,342	1,534,852
Value	$595,553	$546,222
Made for sale:		
Pounds	5,323,648	6,163,073
Value	$1,847,956	$2,188,230
C. P. chrome greens, total production, pounds	10,029,472	10,851,649
Made and consumed in same establishments, pounds	1,684,546	1,328,170
Interplant transfers:		
Pounds	1,362,402	1,779,500
Value	$303,971	$386,088
Made for sale:		
Pounds	6,982,524	7,743,979
Value	$1,547,649	$1,773,775
C. P. para toners, total production, pounds	1,216,837	1,491,808
Made and consumed in same establishments, pounds	107,190	99,210
Interplant transfers:		
Pounds	258,844	260,781
Value	$189,872	$193,869
Made for sale:		
Pounds	850,803	1,131,817
Value	$617,236	$849,381
C. P. lithol toners, total production, pounds	2,956,944	3,093,298
Amount made and consumed in same establishments and for interplant transfers, pounds	665,630	622,116
Made and consumed in same establishments, pounds	(4)	407,296
Interplant transfers:		
Pounds	(4)	214,820
Value	(5)	$157,844
Made for sale:		
Pounds	2,291,314	2,471,182
Value	$1,308,471	$1,651,544
C. P. toluidine toners, total production, pounds	1,034,216	1,098,425
Made and consumed in same establishments, pounds	173,843	169,616
Interplant transfers:		
Pounds	265,866	928,809
Value	$317,975	$1,172,422
Made for sale:		
Pounds	594,507	
Value	$711,979	

See footnotes at end of table.

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

PRODUCT	1939	1937
Eosine and phloxine toners, total production, pounds	306,759	(4)
Made and consumed in same establishments, pounds	6,536	(4)
Interplant transfers:		
Pounds	161,365	457,377
Value	$208,066	$530,226
Made for sale:		
Pounds	138,858	
Value	$180,054	
Lake-red C. toners, total production, pounds	641,687	(4)
Made and consumed in same establishments, pounds	185,413	(4)
Interplant transfers:		
Pounds	109,341	404,432
Value	$114,144	$401,423
Made for sale:		
Pounds	346,933	
Value	$359,404	
Hansa-yellow toners, total production, pounds	292,272	(4)
Amount made and consumed in same establishments and for interplant transfers, pounds	99,050	(4)
Interplant transfers:		
Pounds	(4)	217,314
Value	(5)	$281,556
Made for sale:		
Pounds	193,222	
Value	$263,929	
Methyl-violet toners, total production, pounds	567,113	(4)
Amount made and consumed in same establishments and for interplant transfers, pounds	37,774	(4)
Interplant transfers:		
Pounds	(4)	214,303
Value	(5)	$206,301
Made for sale:		
Pounds	529,339	
Value	$487,639	
Lithol-rubine toners, total production, pounds	(4)	(4)
Made and consumed in same establishments, pounds	(4)	(4)
Interplant transfers:		
Pounds	(4)	109,109
Value	(5)	$119,982
Made for sale:		
Pounds	138,952	
Value	$185,171	
Other red toners, total production, pounds	946,785	560,014
Amount made and consumed in same establishments and for interplant transfers, pounds	298,249	166,758
Made and consumed in same establishments, pounds	(4)	25,873
Interplant transfers:		
Pounds	(4)	140,885
Value	(5)	$276,922
Made for sale:		
Pounds	648,536	393,856
Value	$505,842	$441,921
All other toners, total production, pounds	1,512,026	(4)
Made and consumed in same establishments, pounds	73,257	(4)
Interplant transfers:		
Pounds	77,968	342,231
Value	$89,080	$658,400
Made for sale:		
Pounds	1,360,801	
Value	$1,824,618	
Phosphotungstic-acid toners:		
Blue, total production, pounds	207,172	185,270
Amount made and consumed in the same establishments and for interplant transfers, pounds	19,963	(4)
Made and consumed in same establishments, pounds	(4)	12,391
Interplant transfers:		
Pounds	(4)	172,879
Value	(5)	$579,200
Made for sale:		
Pounds	187,209	
Value	$529,157	
Green, total production, pounds	124,035	150,507
Made and consumed in same establishments, pounds	2,752	8,801
Interplant transfers:		
Pounds	19,423	141,706
Value	$56,995	$359,114
Made for sale:		
Pounds	101,860	
Value	$294,716	

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

PRODUCT	1939	1937
Phosphotungstic-acid toners—Continued.		
Purple, total production, pounds	121,371	145,847
Made and consumed in same establishments, pounds	3,403	20,821
Interplant transfers:		
Pounds	15,658	24,172
Value	$36,037	$37,840
Made for sale:		
Pounds	102,310	100,854
Value	$189,018	$177,679
All other, total production, pounds	(4)	(4)
Made and consumed in same establishments, pounds	(4)	(4)
Interplant transfers:		
Pounds	(4)	148,288
Value	(5)	$216,645
Made for sale:		
Pounds	131,421	
Value	$282,678	
Reduced chrome green, total production, pounds	4,762,969	7,538,791
Made and consumed in same establishments, pounds	314,535	805,071
Interplant transfers:		
Pounds	278,467	770,549
Value	$27,847	$65,763
Made for sale:		
Pounds	4,169,967	5,963,171
Value	$357,548	$542,632
Reduced inorganic toners, total production, pounds	901,482	1,175,407
Amount made and consumed in the same establishments and for interplant transfers, pounds	144,233	143,021
Made and consumed in same establishments, pounds	(4)	87,895
Interplant transfers:		
Pounds	(4)	55,126
Value	(5)	$7,118
Made for sale:		
Pounds	757,249	1,032,386
Value	$100,528	$135,760
Reduced organic reds, total production, pounds	975,166	1,178,047
Made and consumed in same establishments, pounds	68,848	101,110
Interplant transfers:		
Pounds	109,310	228,551
Value	$28,591	$41,347
Made for sale:		
Pounds	797,008	848,386
Value	$216,167	$248,813
All other reduced organic toners, total production, pounds	951,890	(4)
Made and consumed in same establishments, pounds	222,799	(4)
Interplant transfers:		
Pounds	148,614	543,495
Value	$39,686	$229,574
Made for sale:		
Pounds	580,477	
Value	$344,800	
All phosphotungstic-acid lakes, total production, pounds	695,778	692,412
Made and consumed in same establishments, pounds	71,092	10,985
Interplant transfers:		
Pounds	7,400	681,427
Value	$7,561	$566,987
Made for sale:		
Pounds	617,286	
Value	$443,483	
Coal-tar color lakes:		
Peacock blue, total production, pounds	1,435,916	1,626,740
Made and consumed in same establishments, pounds	25,948	84,956
Interplant transfers:		
Pounds	658,416	657,373
Value	$365,259	$363,605
Made for sale:		
Pounds	751,552	884,411
Value	$444,235	$490,041
Persian orange, total production, pounds	443,482	596,198
Made and consumed in same establishments, pounds	80,921	189,144
Interplant transfers:		
Pounds	146,900	407,054
Value	$55,660	$158,611
Made for sale:		
Pounds	215,661	
Value	$83,144	

See footnotes at end of table.

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

PRODUCT	1939	1937
Coal-tar color lakes—Continued.		
Scarlet 2r, total production, pounds	(4)	823,181
Made and consumed in same establishments, pounds	15,305	48,134
Interplant transfers:		
Pounds	(4)	775,047
Value	(5)	$225,907
Made for sale:		
Pounds	743,054	
Value	$210,695	
Alizarine, total production, pounds	157,046	90,425
Made and consumed in same establishments, pounds	34,490	8,449
Interplant transfers:		
Pounds	32,384	81,976
Value	$47,695	$105,962
Made for sale:		
Pounds	90,172	
Value	$107,615	
Azo bordeaux, total production, pounds	399,873	367,346
Amount made and consumed in same establishments and for interplant transfers, pounds	84,408	
Made and consumed in same establishments, pounds	(4)	22,955
Interplant transfers:		
Pounds	(4)	344,391
Value	(5)	$112,617
Made for sale:		
Pounds	315,465	
Value	$94,087	
Pigment scarlet, total production, pounds	(4)	272,600
Made and consumed in same establishments, pounds	(4)	
Interplant transfers:		
Pounds	(4)	272,600
Value	(5)	$162,294
Made for sale:		
Pounds	373,679	
Value	$176,799	
Lithol rubine, total production, pounds	356,275	(4)
Made and consumed in same establishments, pounds	4,920	(4)
Interplant transfers:		
Pounds	6,576	422,239
Value	$7,807	$118,131
Made for sale:		
Pounds	344,779	
Value	$108,776	
All other, total production, pounds	3,050,552	2,753,489
Made and consumed in same establishments, pounds	166,870	115,192
Interplant transfers:		
Pounds	335,413	237,674
Value	$199,805	$185,583
Made for sale:		
Pounds	2,548,269	2,400,623
Value	$933,162	$1,135,063
Value of interplant transfers, quantities not shown separately	$760,540	
White lead (basic carbonate and sulphate), made for sale and for interplant transfer:		
Pounds	119,570,795	144,313,029
Value	$6,757,126	$9,450,759
Lead oxides, total value	$15,918,767	$18,854,145
Litharge, total production, pounds	196,794,844	209,844,703
Made and consumed in same establishments, pounds	32,340,072	44,216,684
Made for sale and for interplant transfer:		
Pounds	164,454,772	165,628,019
Value	$9,230,853	$12,102,184
Red lead, minium, and other lead oxides, made for sale and for interplant transfer:		
Pounds	104,881,475	90,223,322
Value	$6,687,914	$6,751,961
Zinc oxide (Chinese white, zinc white), made for sale and for interplant transfer:		
Pounds	301,895,235	321,889,816
Value	$14,431,992	$15,316,173
Lithopone, total production, pounds	318,447,980	(4)
Made and consumed in same establishments, pounds	30,364,024	(4)
Made for sale and for interplant transfer:		
Pounds	288,083,956	325,099,884
Value	$12,526,749	$13,760,312

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

PRODUCT	1939	1937
Blanc fixé (barium sulphate, precipitated), made for sale and for interplant transfer:		
Pounds	12,282,711	10,396,178
Value	$322,435	$278,186
Barytes (natural), made for sale and for interplant transfer:		
Pounds	279,194,200	(6)
Value	$2,367,502	(6)
Iron oxides, natural and synthetic, made for sale and for interplant transfer:		
Pounds	101,949,630	123,891,324
Value	$3,275,941	$4,067,840
Titanium dioxide, made for sale and for interplant transfer:		
Pounds	115,352,331	(7)
Value	$14,906,151	(7)
Other oxides, made for sale and for interplant transfer:		
Pounds	249,831,194	328,138,379
Value	$11,448,977	$22,458,369
Other mineral colors (including zinc sulphide), made for sale and for interplant transfer:		
Pounds	65,314,965	[1] 188,343,207
Value	$3,384,878	[1] $8,430,224
Other fine color pigments (including vermillion and ultramarine), made for sale and for interplant transfer:		
Pounds	14,964,993	12,397,763
Value	$3,609,706	$2,689,443
Whiting, total production, pounds	132,411,553	(4)
Made and consumed in same establishments, pounds	21,695,120	(4)
Made for sale and for interplant transfer:		
Pounds	110,716,433	123,994,630
Value	$764,941	$866,736

[1] Revised.
[2] Revised; in addition, establishments classified in the "Wallpaper" industry reported 1,031,342 pounds of dry colors as made and consumed and 10,997 pounds, valued at $17,883 made for sale.
[3] Includes production of molybdate orange.
[4] Withheld to avoid disclosure of data reported by individual establishments.
[5] Withheld to avoid disclosing data reported by individual establishments; included in value of "Made for sale," quantity not shown separately.
[6] Included in "Other mineral colors."
[7] Data not available.

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

	MADE FOR SALE	
	Pounds	Value
Toners or full-strength colors:		
C. P. iron blue toners, total	5,323,648	$1,847,956
New Jersey	1,681,358	574,483
New York	2,677,635	936,181
Calif., Ill., Ky., Ohio, Pa., and W. Va	964,655	337,292
C. P. para toners, total	850,803	617,236
New York	257,627	180,255
Calif., Ill., Ky., Mich., N. J., Ohio, Pa., and W. Va	593,176	436,981
C. P. toluidine toners, total	594,507	711,979
Illinois	77,761	93,621
New York	194,340	233,532
Calif., Ky., Mich., N. J., Ohio, Pa., and W. Va	322,406	384,826
Eosine and phloxine toners, total	138,858	180,054
New York	80,907	94,957
Ill., N. J., Ohio, and Pa	57,951	85,097
Lake-red C. toners, total	346,933	359,404
New Jersey	50,562	58,205
New York	83,616	85,524
Ill., Mich., Ohio, and W. Va	212,755	215,675
Hansa-yellow toners, total	193,222	263,929
New York	110,665	153,796
Calif., Ill., Mich., N. J., and Ohio	82,557	110,133

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

	MADE FOR SALE	
	Pounds	Value
Toners or full-strength colors—Continued.		
Lithol-rubine toners, total	138,952	$185,171
New York	55,401	75,293
Ill., Ky., Mich., N. J., and Ohio	83,551	109,878
Phosphotungstic-acid toners:		
Blue, total	187,209	529,157
New Jersey	91,947	299,043
New York	48,645	152,301
Ill., Ky., Mich., Ohio, and Wis	46,617	77,813
Green, total	101,860	294,716
New York	67,617	197,518
Ill., Mich., N. J., and Ohio	34,243	97,198
Purple, total	102,310	180,018
New Jersey	18,189	46,021
New York	67,950	115,458
Ill., Mich., and Ohio	16,171	27,539
Other, total	131,421	282,678
New York	32,118	102,856
Ill., Mich., N. J., Ohio, and Wis	99,303	179,822
Reduced toners:		
Reduced chrome green toners, total	4,169,967	357,548
Illinois	827,888	70,883
New York	1,695,263	151,301
Calif., Ky., N. J., Ohio, and Pa	1,646,816	135,364
All reduced organic reds, total	797,008	216,167
New York	348,420	77,588
N. J. and Pa	217,130	62,345
Calif., Ill., Ky., Mass., Mich., and Ohio	231,458	76,234
Lakes:		
All phosphotungstic-acid lakes, total	617,286	443,483
New Jersey	343,510	216,840
New York	191,814	151,246
Ill., Ky., Mass., Mich., Ohio, and Pa	81,962	75,397
Coal-tar color lakes:		
Peacock blue, total	751,552	444,235
New York	294,536	185,288
Calif., Ill., Mass., Mich., N. J., and Ohio	457,016	258,947
Persian orange, total	215,661	83,144
New Jersey	32,144	12,897
New York	119,604	42,888
Calif., Ill., Ohio, and Pa	63,913	27,359
Scarlet 2r, total	743,054	210,695
New York	548,948	155,655
Ill., Ky., Mass., N. J., and Pa	194,106	55,040
Alizarine, total	90,172	107,615
New Jersey	14,899	22,442
New York	36,012	54,108
Ill., Ky., Ohio, and Pa	39,261	31,065
Azo bordeaux, total	315,465	94,087
New York	176,240	54,322
Ill., Mich., N. J., Ohio, and Pa	139,225	39,765
Other, total:	2,548,269	933,162
New Jersey	538,902	333,310
New York	1,143,609	405,770
Ky. and Ohio	31,149	27,095
Calif., Ill., Mass., and Pa	834,609	166,987

	MADE FOR SALE AND FOR INTERPLANT TRANSFER	
Zinc oxide, total	301,895,235	$14,431,992
Pennsylvania	139,389,044	8,204,960
Calif., Ill., Ind., Kans., Mo., Mont., N. J., N. Y., and Ohio	162,506,191	6,227,032
Whiting, total	110,716,433	764,941
New Jersey	59,734,780	404,095
Calif., Mass., Mo., N. Y., Pa., Tenn., and Wis	50,981,653	360,846

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	5,839	5,478	5,763	5,614	5,677	5,658	5,691	5,817	5,843	5,888	6,160	6,234	6,240
1937	6,529	6,327	6,334	6,565	6,722	6,813	6,863	6,840	6,431	6,473	6,584	6,325	6,084
California	84	86	79	80	86	84	82	87	81	82	88	83	89
Illinois	453	435	436	434	435	427	438	434	432	443	494	513	511
Maryland	628	584	592	625	656	676	638	651	605	608	618	642	635
New Jersey	1,358	1,278	1,376	1,314	1,302	1,291	1,321	1,325	1,353	1,338	1,443	1,456	1,502
New York	674	625	662	642	647	615	613	648	674	686	743	770	769
Ohio	37	37	37	37	37	37	37	37	37	37	37	37	36
Pennsylvania	461	458	541	428	439	441	448	441	441	458	479	477	485
Wisconsin	17	12	13	14	15	18	18	18	18	18	19	19	17

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	89
Reporting expenditures for plant and equipment	63
Value of products:	
Total for the industry	$83,885,847
Reporting expenditures for plant and equipment	75,986,942
Expenditures for plant and equipment:	
Total for the industry	2,845,528
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	612,779
Expenditures for new machinery and operating equipment	2,204,616
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	28,133

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

	1939	1937
Inventories:		
Beginning of year, total	$21,298,321	$15,211,732
Finished products	11,040,867	9,007,824
Materials, supplies, etc	10,257,454	6,203,908
End of year, total	22,108,173	20,643,400
Finished products	10,715,603	11,907,033
Materials, supplies, etc	11,392,570	8,736,367
Value of products for the industry, total	83,885,847	84,594,821
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	83,744,401	78,131,791
Value for establishments not reporting inventories	141,446	6,463,030

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	89
Number of establishments reporting power equipment	89
Prime movers, aggregate:	
Number	66
Horsepower	28,504
Prime movers, driving generators, total—	
Number	28
Horsepower	23,316

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]—Continued

	1939
Prime movers—Continued.	
Prime movers, driving generators—Continued.	
Steam engines—	
Number	15
Horsepower	3,344
Steam turbines—	
Number	9
Horsepower	18,822
Diesel and semi-Diesel engines—	
Number	1
Horsepower	325
Hydroturbines and water wheels—	
Number	3
Horsepower	825
Prime movers, driving generators, ordinarily idle (included above), horsepower	892
Prime movers not driving generators, total—	
Number	38
Horsepower	5,188
Steam engines—	
Number	19
Horsepower	2,291
Steam turbines—	
Number	8
Horsepower	2,345
Diesel and semi-Diesel engines—	
Number	2
Horsepower	137
Other internal-combustion engines [2]—	
Number	3
Horsepower	106
Hydroturbines and water wheels—	
Number	6
Horsepower	309
Prime movers not driving generators, ordinarily idle (included above), horsepower	1,923
Generators, kilowatt rating, total	15,762
Generators, driven by—	
Steam engines, kilowatt rating	2,212
Steam turbines, kilowatt rating	12,700
Diesel and semi-Diesel engines, kilowatt rating	250
Hydroturbines and water wheels, kilowatt rating	600
Generators, ordinarily idle (included above), kilowatt rating	675
Electric motors, total:	
Number	9,568
Horsepower	84,609
Driven by purchased energy—	
Number	6,448
Horsepower	56,303
Driven by energy generated in establishments reporting—	
Number	3,120
Horsepower	28,306
Electric energy (kilowatt-hours):	
Generated in plant	62,994,182
Sold	6,322,300
Purchased	98,162,915

[1] Comparable data for 1929 not available. [2] Gas, gasoline, etc.

COTTONSEED OIL, CAKE, MEAL, AND LINTERS

[A preliminary report for this industry was issued December 11, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the crushing of cottonseed and the production of cottonseed oil, cake, and meal; linters; and other related products.

It does not cover the activities of plants using refined cottonseed oil in the further manufacture of lard substitutes and cooking oils.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	447	15,191	$8,939,334	$138,764,149	$171,476,253	$32,712,104	133,365
1937	447	16,583	8,531,570	195,746,709	242,042,808	46,296,099	(5)
1935	458	13,226	5,911,625	160,551,795	187,887,305	27,335,510	(6)
1933	475	14,242	5,375,712	78,229,307	104,211,631	25,982,324	(5)
1931	504	12,268	8,335,459	147,164,705	181,347,056	34,182,351	(5)
1929	553	15,825	11,203,227	249,019,800	298,376,039	49,356,239	146,654
1927	547	18,434	14,258,555	220,038,437	276,338,488	56,300,051	152,915
1925	535	16,215	11,411,854	244,315,214	295,684,526	51,369,312	146,090
1923	511	12,745	7,908,305	197,514,913	226,387,758	28,872,845	(6)
1921	610	16,163	12,339,895	194,864,331	217,225,030	22,360,699	(5)
1919	711	26,766	20,615,193	495,192,294	581,244,798	86,052,504	207,725
1914	882	21,810	8,489,692	180,976,413	212,127,024	31,150,611	226,655
1909	817	17,071	5,835,249	119,833,475	147,867,894	28,034,419	185,478
1904	715	15,540	4,837,694	80,029,863	96,407,621	16,377,758	149,552
1899	369	11,007	3,143,459	45,165,823	58,726,632	13,560,809	72,470

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

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	Georgia	Louisiana	Mississippi
Number of establishments [1]	447	28	6	26	8	51	21	41
Proprietors and firm members	70	5	----	8	----	1	5	----
Persons reported by manufacturing establishments, total [2]	18,519	1,486	177	1,671	462	2,152	911	2,494
Salaried officers of corporations [2]	394	25	5	11	12	35	34	44
Manufacturing:								
Salaried employees [2]	2,136	142	14	162	75	233	113	248
Wage earners (average for the year) [3]	15,191	1,226	158	1,436	351	1,782	732	2,131
Distribution	633	73	----	48	13	69	28	57
Construction	105	12	----	9	4	25	3	7
Other	60	8	----	5	7	8	1	7
Salaries and wages, total [2]	$14,880,908	$1,037,068	$228,167	$1,319,661	$635,921	$1,511,285	$741,624	$1,910,527
Salaried officers [2]	1,255,863	74,627	32,000	25,050	55,399	127,524	128,192	119,371
Manufacturing:								
Salaries [2]	3,641,608	224,799	30,122	307,413	131,896	374,868	171,904	463,637
Wages	8,939,334	636,455	166,045	890,279	404,505	875,474	397,643	1,202,684
Distribution	897,797	76,353	----	86,492	25,863	99,698	40,768	111,264
Construction	107,061	20,355	----	9,820	9,218	27,333	2,617	7,946
Other	39,245	4,479	----	607	9,040	6,388	500	5,625
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	138,764,149	9,138,552	2,027,067	14,138,352	5,220,982	13,830,285	6,387,734	20,263,976
Materials, supplies, and containers	134,781,380	8,875,090	1,944,472	13,721,401	5,092,647	13,376,780	6,217,555	19,698,289
Fuel	1,799,424	129,370	13,978	162,208	20,313	123,715	77,684	282,344
Purchased electric energy	2,162,790	134,092	68,617	254,743	108,022	329,308	92,495	282,843
Contract work	20,555	----	----	----	----	482	----	----
Value of products	171,476,253	10,756,520	2,726,942	17,340,538	8,188,637	16,487,862	7,823,552	24,794,441
Value added by manufacture [4]	32,712,104	1,617,968	699,875	3,202,186	2,967,655	2,657,577	1,435,818	4,530,465

See footnotes at end of table.

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

ITEM	New Mexico	North Carolina	Oklahoma	South Carolina	Tennessee	Texas	Other States [5]
Number of establishments [1]	4	37	29	30	15	144	7
Proprietors and firm members	1	1	3	6	1	38	1
Persons reported by manufacturing establishments, total [2]	107	963	800	1,020	1,187	4,774	314
Salaried officers of corporations [2]	4	36	20	36	14	113	5
Manufacturing:							
Salaried employees [2]	23	130	120	124	99	628	25
Wage earners (average for the year) [3]	78	742	651	816	1,020	3,818	249
Distribution	2	47	5	42	47	182	20
Construction		3	4		5	18	15
Other		5		2	2	15	
Salaries and wages, total [2]	$118,215	$687,128	$652,659	$731,937	$1,030,961	$4,040,115	$235,640
Salaried officers [2]	11,976	73,360	69,800	103,190	105,874	319,104	10,396
Manufacturing:							
Salaries [2]	33,088	185,004	198,311	186,661	190,463	1,101,246	42,196
Wages	69,851	359,408	369,970	394,858	652,719	2,362,664	156,779
Distribution	3,300	64,074	6,545	46,177	77,288	238,309	21,666
Construction		2,636	8,033		3,367	11,133	4,603
Other		2,646		1,051	1,250	7,659	
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	849,023	5,187,685	4,838,467	6,350,201	13,086,673	35,052,317	2,392,835
Materials, supplies, and containers	825,311	4,969,822	4,734,501	6,115,173	12,789,588	34,100,692	2,320,059
Fuel	14,768	82,786	78,131	64,439	204,841	507,273	37,074
Purchased electric energy	8,839	116,270	25,835	170,429	92,244	443,351	35,702
Contract work	105	18,807		160		1,001	
Value of products	1,164,676	6,077,025	6,142,384	7,586,278	15,390,972	44,406,882	2,589,544
Value added by manufacture [4]	315,653	889,340	1,303,917	1,236,077	2,304,299	9,354,565	196,709

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Florida, 1 establishment; Illinois, 4; Missouri, 2.

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

As no detailed data on production for this industry are compiled from the reports for the Census of Manufactures, no figures are given for table 3. Table 4 gives statistics collected by the monthly inquiry on "Cottonseed and Cottonseed Products."

TABLE 4.—COTTONSEED PRODUCTS, BY KIND, QUANTITY, AND VALUE; AND COTTONSEED CRUSHED, BY QUANTITY: 1939, 1937, AND 1929

[From reports compiled from data collected in monthly inquiry on Cottonseed and Cottonseed Products (Census Bulletin No. 176 [1])]

	SEASON (12 MONTHS) ENDED JULY 31—		
	1939	1937	1929
Crude cottonseed products, total value [2]	$153,185,000	$229,183,000	$265,247,000
Oil:			
Pounds	1,409,413,537	1,363,978,069	1,604,131,038
Value	$86,601,000	$123,189,000	$133,906,000
Cake and meal:			
Tons (2,000 pounds)	2,023,341	2,031,488	2,281,576
Value	$47,194,000	$65,783,000	$90,706,000
Hulls:			
Tons (2,000 pounds)	1,161,079	1,144,138	1,368,279
Value	$7,123,000	$10,472,000	$12,842,000
Linters:			
Bales	1,113,312	1,126,873	1,085,766
Value	$12,267,000	$29,739,000	$27,793,000
Cottonseed crushed, tons (2,000 pounds)	4,470,516	4,498,321	5,061,058

[1] For 1940 production data, see Census Bulletin No. 177.
[2] The differences between these totals and the values of products given in table 1 for the corresponding years are due in part to the inclusion of data for the values of refined cottonseed-oil and minor products, and receipts for ginning, and in part to the fact that the figures in table 1 cover calendar years whereas those in table 4 refer to seasons ended July 31.

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	15,191	17,218	15,398	15,397	12,679	10,442	8,584	8,141	10,460	20,559	22,802	20,777	19,838
1937	16,583	19,899	18,073	15,186	11,657	9,310	8,782	8,632	10,919	22,992	25,683	24,665	23,194
1929	15,825	22,028	18,521	14,525	10,953	7,300	6,309	6,670	8,880	18,068	26,155	26,109	24,378
Alabama	1,226	1,087	1,269	1,345	1,172	1,013	820	545	611	1,738	1,856	1,554	1,097
Arizona	158	213	254	197	152	157	45	39	72	170	162	170	262
Arkansas	1,436	1,837	1,474	1,446	1,118	991	761	660	824	2,116	2,183	1,960	1,867
California	351	433	380	382	286	254	248	297	280	293	434	510	418
Georgia	1,782	1,646	1,401	2,040	1,806	1,425	1,245	840	1,355	2,544	2,722	2,005	2,356
Illinois	196	262	257	250	166	196	113	163	65	293	289	173	131
Louisiana	732	704	665	543	434	444	417	270	768	1,311	1,226	1,102	906
Mississippi	2,131	2,276	2,239	2,263	2,035	1,610	1,270	1,201	1,318	2,928	3,083	2,748	2,603
New Mexico	78	126	55	92	75	27	19	32	52	50	142	112	156
North Carolina	742	995	772	694	578	405	282	258	264	896	1,391	1,289	1,081
Oklahoma	651	1,021	682	470	230	203	218	258	320	676	1,270	1,282	1,185
South Carolina	816	735	730	752	676	650	514	456	597	1,241	1,248	1,107	1,083
Tennessee	1,020	1,264	1,106	1,169	844	654	497	596	503	1,377	1,504	1,410	1,321
Texas	3,818	4,571	4,062	3,710	3,093	2,398	2,123	2,511	3,409	4,805	5,198	5,264	4,068

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	447
Reporting expenditures for plant and equipment	304
Value of products:	
Total for the industry	$171,476,253
Reporting expenditures for plant and equipment	135,202,837
Expenditures for plant and equipment:	
Total for the industry	2,795,048
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	906,087
Expenditures for new machinery and operating equipment	1,180,804
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	708,157

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

	1939	1937
Inventories:		
Beginning of year, total	$38,986,141	$18,784,456
Finished products	18,085,792	10,582,553
Materials, supplies, etc	20,900,349	8,201,903
End of year, total	34,744,093	18,705,896
Finished products	17,741,014	9,524,986
Materials, supplies, etc	17,003,079	9,180,910
Value of products for the industry, total	171,476,253	242,042,808
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	166,061,282	232,238,230
Value for establishments not reporting inventories	5,414,971	9,804,578

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

	1939	1929
Number of establishments	447	553
Number of establishments reporting power equipment	443	553
Prime movers, aggregate:		
Number	524	570
Horsepower	133,365	146,654
Prime movers, driving generators, total—		
Number	176	[1] 570
Horsepower	51,178	[1] 146,654
Steam engines—		
Number	71	[1] 476
Horsepower	24,695	[1] 125,051

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

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators—Continued.		
Steam turbines—		
Number	4	[1] 16
Horsepower	4,848	[1] 5,553
Diesel and semi-Diesel engines—		
Number	67	[1] 78
Horsepower	14,914	
Other internal-combustion engines [2]—		[1] 16,050
Number	34	
Horsepower	6,721	
Prime movers, driving generators, ordinarily idle (included above), horsepower	3,155	
Prime movers not driving generators, total—		
Number	348	
Horsepower	82,187	
Steam engines—		
Number	228	
Horsepower	64,179	
Steam turbines—		(3)
Number	6	
Horsepower	930	
Diesel and semi-Diesel engines—		
Number	40	
Horsepower	8,300	
Other internal-combustion engines [2]—		
Number	74	
Horsepower	8,778	
Prime movers not driving generators, ordinarily idle (included above), horsepower	3,612	
Generators, kilowatt rating, total	21,297	11,732
Generators, driven by—		
Steam engines, kilowatt rating	7,114	
Steam turbines, kilowatt rating	3,625	
Diesel and semi-Diesel engines, kilowatt rating	6,850	(3)
Other internal-combustion engines,[2] kilowatt rating	3,708	
Generators, ordinarily idle (included above), kilowatt rating	2,301	(4)
Electric motors, total:		
Number	5,500	3,418
Horsepower	201,092	147,199
Driven by purchased energy—		
Number	4,702	3,166
Horsepower	178,489	137,741
Driven by energy generated in establishments reporting—		
Number	798	252
Horsepower	22,603	9,458
Electric energy (kilowatt-hours):		
Generated in plant	43,857,535	(4)
Sold	964,660	(3)
Purchased	101,937,284	101,329,310

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

LINSEED OIL, CAKE, AND MEAL

[A preliminary report for this industry was issued November 7, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of linseed oil, cake, and meal.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	25	2,120	$3,193,158	$56,456,099	$68,011,767	$11,555,668	21,155
1937	23	2,628	3,591,310	74,481,070	90,356,528	15,875,458	(5)
1935	25	2,350	2,649,697	48,815,237	60,264,331	11,449,094	(5)
1933	22	1,625	1,684,254	33,853,334	40,462,842	6,609,508	(5)
1931	28	1,837	2,278,340	50,306,207	62,882,544	12,576,337	(5)
1929	29	2,715	4,097,712	92,860,082	111,326,162	18,466,080	11,240
1927	33	2,718	4,324,938	97,750,350	111,543,845	13,793,495	7,393
1925	33	2,692	4,200,063	121,762,284	140,513,542	18,751,258	7,108
1923	34	2,631	3,783,516	102,689,799	113,221,318	10,531,519	(5)
1921	28	2,073	3,019,376	58,452,351	71,032,261	12,579,910	(5)
1919	26	2,173	3,052,269	100,577,538	120,638,100	20,060,562	9,425
1914	25	1,488	1,127,169	39,555,408	44,882,538	5,327,130	9,389
1909	29	1,452	892,612	31,034,576	36,738,094	5,704,118	10,080
1904	30	1,349	785,634	23,153,151	27,577,152	4,424,001	8,838
1899	48	1,328	693,311	24,395,775	27,184,331	2,788,556	8,491

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] 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	Minnesota	New York	Other States [1]
Number of establishments [2]	25	4	5	3	13
Proprietors and firm members	4				4
Persons reported by manufacturing establishments, total [3]	2,388	139	411	228	1,610
Salaried officers of corporations [3]	6	2		4	
Manufacturing:					
Salaried employees [3]	238	14	32	35	157
Wage earners (average for the year) [4]	2,120	118	379	179	1,444
Distribution	16	5		8	3
Construction	6				6
Other	2			2	
Salaries and wages, total [3]	$3,782,486	$221,625	$672,346	$350,587	$2,537,928
Salaried officers [3]	47,215	7,415		39,800	
Manufacturing:					
Salaries [3]	482,398	23,903	71,982	67,325	319,188
Wages	3,193,158	176,727	600,364	220,908	2,195,159
Distribution	40,473	13,580		19,440	7,453
Construction	16,128				16,128
Other	3,114			3,114	

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

ITEM	United States	California	Minnesota	New York	Other States [1]
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	$56,456,099	$3,109,290	$8,275,029	$4,768,239	$40,303,541
Materials, supplies, and containers	55,679,329	3,049,439	8,083,949	4,732,483	39,813,458
Fuel	383,927	12,713	76,742	18,213	276,259
Purchased electric energy	392,843	47,138	114,338	17,543	213,824
Contract work					
Value of products	68,011,767	3,920,533	10,383,567	5,570,533	48,137,134
Value added by manufacture [5]	11,555,668	811,243	2,108,538	802,294	7,833,593

[1] Illinois, 2 establishments; Kansas, 1; Missouri, 1; New Jersey, 3; Ohio, 1; Oregon, 2; Pennsylvania, 2; Wisconsin, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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
Linseed Oil, Cake, and Meal industry, all products, total value	$68,011,767	$90,356,528
Linseed oil, cake, and meal, value	62,501,998	81,305,963
Miscellaneous products not specified	574,611	9,050,565
Other products not classified in this industry	[1] 4,935,158	
Linseed oil, cake, and meal, aggregate value	65,614,606	86,341,777
Linseed oil, cake, and meal produced in this industry	62,501,998	81,305,963
Linseed oil, cake, and meal produced as secondary products in other industries	3,112,608	5,035,814

[1] Chiefly oils, cake, and meal other than flaxseed products.

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

	1939	1937
Linseed oil, cake, and meal, aggregate value	$65,614,606	$86,341,777
Linseed oil:		
Pounds	[1] 564,507,734	[1] 665,098,850
Value	$47,865,882	$63,714,063
Cake and meal		
Tons	550,920	623,247
Value	$17,748,724	$22,627,714

[1] As reported by the Bureau of the Census in the quarterly reports on Animal and Vegetable Fats and Oils.

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	2,120	2,186	2,078	2,105	2,141	2,035	2,095	1,972	2,046	2,287	2,223	2,036	2,232
1937	2,628	2,520	2,836	2,768	2,757	2,754	2,864	2,673	2,449	2,503	2,563	2,377	2,469
1929	2,715	2,710	2,767	2,772	2,705	2,704	2,611	2,622	2,656	2,880	2,994	2,648	2,512
California	118	77	89	117	130	104	145	151	132	152	144	88	88
Minnesota	379	394	368	370	362	300	353	312	319	434	462	438	435
New York	179	245	139	183	126	128	132	206	199	223	238	132	197

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	25
Reporting expenditures for plant and equipment	23
Value of products:	
Total for the industry	$68,011,767
Reporting expenditures for plant and equipment	67,340,687
Expenditures for plant and equipment:	
Total for the industry	665,313
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	62,250
Expenditures for new machinery and operating equipment	567,377
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	35,686

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

	1939	1937
Inventories:		
Beginning of year, total	$10,606,173	$13,083,276
Finished products	8,291,789	9,771,404
Materials, supplies, etc.	2,314,384	3,311,872
End of year, total	11,190,472	17,340,086
Finished products	6,718,178	14,371,196
Materials, supplies, etc.	4,472,294	2,968,890
Value of products for the industry, total	68,011,767	90,356,528
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	65,971,771	90,342,411
Value for establishments not reporting inventories	2,039,996	14,117

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

	1939	1929
Number of establishments	25	29
Number of establishments reporting power equipment	23	29
Prime movers, aggregate:		
Number	14	21
Horsepower	21,155	11,240
Prime movers, driving generators, total—		
Number	8	[1] 21
Horsepower	20,220	[1] 11,240

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	----------	[1] 15
Horsepower	----------	[1] 5,715
Steam turbines—		
Number	5	[1] 3
Horsepower	8,325	[1] 4,950
Diesel and semi-Diesel engines—		
Number	3	
Horsepower	11,895	[1] 2
Other internal-combustion engines [2]—		[1] 325
Number	----------	
Horsepower	----------	
Hydroturbines and water wheels—		
Number	----------	[1] 1
Horsepower	----------	[1] 250
Prime movers not driving generators, total—		
Number	6	
Horsepower	935	
Steam engines—		
Number	2	
Horsepower	470	
Steam turbines—		
Number	1	[3]
Horsepower	200	
Diesel and semi-Diesel engines—		
Number	2	
Horsepower	225	
Hydroturbines and water wheels—		
Number	1	
Horsepower	40	
Prime movers not driving generators, ordinarily idle (included above), horsepower	120	
Generators, kilowatt rating, total	7,093	3,521
Generators, driven by—		
Steam turbines, kilowatt rating	6,300	[3]
Diesel and semi-Diesel engines, kilowatt rating	793	
Electric motors, total:		
Number	1,480	954
Horsepower	24,702	24,081
Driven by purchased energy—		
Number	1,191	808
Horsepower	18,400	19,951
Driven by energy generated in establishments reporting—		
Number	289	146
Horsepower	6,302	4,130
Electric energy (kilowatt-hours):		
Generated in plant	18,650,740	[4]
Purchased	39,112,055	42,755,457

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

SOYBEAN OIL, CAKE, AND MEAL

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

This industry embraces establishments primarily engaged in the production of oil, cake, and meal, from soybeans.

For 1937 and earlier years, establishments in this industry were classified in the Oils Not Elsewhere Classified industry. A special tabulation was made of the 1937 census reports 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 [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	47	1,481	$1,889,457	$34,434,845	$43,946,647	$9,511,802	2,415
1937 [4]	26	871	1,191,890	19,950,065	24,312,433	4,362,368	([5])

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] No comparable figures for earlier years.
[5] 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	Iowa	Ohio	Other States [1]
Number of establishments [2]	47	14	6	7	20
Proprietors and firm members	15	4	4		7
Persons reported by manufacturing establishments, total [3]	2,010	597	191	216	1,006
Salaried officers of corporations [3]	17	2	4	7	4
Manufacturing:					
Salaried employees [3]	321	127	23	28	143
Wage earners (average for the year) [4]	1,481	392	128	164	797
Distribution	102	41	28	17	16
Construction	87	35	7		45
Other	2		1		1
Salaries and wages, total [3]	$2,850,754	$980,770	$206,662	$300,863	$1,362,459
Salaried officers [3]	87,982	37,125	11,550	26,300	13,007
Manufacturing:					
Salaries [3]	575,487	251,010	41,361	40,504	242,612
Wages	1,889,457	559,823	110,926	201,306	1,017,402
Salaries and wages—Continued.					
Distribution	$205,233	$116,056	$33,103	$32,753	$23,321
Construction	91,109	16,756	8,500		65,853
Other	1,486		1,222		264
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	34,434,845	11,681,068	3,438,218	2,968,885	16,346,674
Materials, supplies, and containers	33,321,647	11,303,759	3,310,084	2,869,161	15,838,643
Fuel	467,894	122,822	44,852	27,036	273,184
Purchased electric energy	637,909	247,092	83,282	72,688	234,847
Contract work	7,395	7,395			
Value of products	43,946,647	15,305,742	4,246,369	3,985,307	20,409,229
Value added by manufacture [5]	9,511,802	3,624,674	808,151	1,016,422	4,062,555

[1] Indiana, 3 establishments; Kentucky, 1; Michigan, 3; Minnesota, 1; Missouri, 1; Nebraska, 2; New York, 3; North Carolina, 1; Tennessee, 1; Virginia, 2; Washington, 1; Wisconsin, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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, BY KIND AND QUANTITY, FOR THE UNITED STATES: 1939

	1939
Soybean Oil, Cake, and Meal industry, all products, total value	$43,946,647
Soybean oil, cake, and meal, value	38,878,164
Miscellaneous products not specified, value	313,218
Other products not classified in this industry, value	[1] 4,755,265
Soybean oil, cake, and meal, aggregate value	53,416,524
Soybean oil, cake, and meal made in this industry, value	38,878,164
Soybean oil, cake, and meal made as secondary products in other industries, value	14,538,360
Soybean products:	
Oil—	
Pounds	457,549,510
Value	$25,027,958
Cake and meal—	
Tons	1,128,570
Value	$28,388,566

[1] Chiefly other animal and vegetable oils, cake, meal, mixed feed, and fertilizer.

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

All production figures are shown in table 3.

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	1,481	1,535	1,585	1,522	1,318	1,272	1,336	1,156	1,221	1,297	1,792	1,885	1,856
1937	871	1,080	967	912	866	752	717	845	812	716	757	1,017	1,015
Illinois	392	383	375	375	360	353	353	340	345	359	470	500	483
Indiana	180	174	164	162	152	169	143	151	188	193	225	211	223
Iowa	128	136	130	136	129	128	128	101	106	106	158	141	142
Ohio	164	200	190	127	123	109	100	142	139	162	198	231	248

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	47
Reporting expenditures for plant and equipment	40
Value of products:	
Total for the industry	$43,946,647
Reporting expenditures for plant and equipment	41,741,088
Expenditures for plant and equipment:	
Total for the industry	2,260,202
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	552,190
Expenditures for new machinery and operating equipment	1,569,648
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	138,364

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

	1939	1937
Inventories:		
Beginning of year, total	$9,475,392	$3,503,981
Finished products	2,609,155	2,586,791
Materials, supplies, etc.	6,866,237	917,190
End of year, total	10,224,899	4,481,229
Finished products	1,756,028	2,222,956
Materials, supplies, etc.	8,468,871	2,258,273
Value of products for the industry, total	43,946,647	24,312,433
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	42,790,618	23,618,697
Value for establishments not reporting inventories	1,156,029	693,736

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	47
Number of establishments reporting power equipment	46
Prime movers, aggregate:	
Number	9
Horsepower	2,415
Prime movers, driving generators, total—	
Number	4
Horsepower	1,320
Steam engines—	
Number	3
Horsepower	1,240
Hydroturbines and water wheels—	
Number	1
Horsepower	80
Prime movers not driving generators, total—	
Number	5
Horsepower	1,095
Steam engines—	
Number	4
Horsepower	1,055
Hydroturbines and water wheels—	
Number	1
Horsepower	40
Generators, kilowatt rating, total	810
Generators, driven by—	
Steam engines, kilowatt rating	750
Hydroturbines and water wheels, kilowatt rating	60
Electric motors, total:	
Number	2,532
Horsepower	30,877
Driven by purchased energy—	
Number	2,442
Horsepower	29,088
Driven by energy generated in establishments reporting—	
Number	90
Horsepower	1,789
Electric energy (kilowatt-hours):	
Generated in plant	1,622,335
Purchased	59,948,690

[1] Comparable data for 1929 not available.

ESSENTIAL OILS

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

Description of the industry.—This industry embraces establishments primarily engaged in the distilling and refining of natural essential oils and witch-hazel extract. The production of aromatic synthetic oils and perfume bases of coal tar origin is included in the "Chemicals not elsewhere classified" industry.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	14	255	$357,346	$6,861,194	$9,813,799	$2,952,605	655
1937	13	195	265,515	[5] 3,705,374	[5] 5,138,886	[5] 1,433,512	(6)
1935	12	166	219,018	2,603,249	3,541,983	938,734	(7)
1933	12	175	221,688	2,243,096	3,093,861	850,765	(6)
1931	12	128	199,241	2,706,615	3,504,948	798,333	(6)
1929	22	265	325,881	3,804,228	6,653,353	2,849,125	981
1927	14	169	258,036	3,427,334	4,641,861	1,214,527	485
1925	14	178	281,395	4,362,512	5,881,689	1,519,177	912
1923	17	170	237,409	2,255,772	3,184,124	928,352	1,239
1921	27	299	363,879	2,548,439	3,421,690	873,251	(6)
1919	78	321	391,213	3,903,417	5,698,403	1,794,986	1,691
1914	105	249	133,272	1,564,835	2,313,606	748,771	1,959
1909	68	290	122,990	1,255,478	1,737,234	481,756	1,089
1904	52	132	69,711	1,110,470	1,464,662	354,192	817
1899	47	168	61,415	588,594	813,495	224,901	1,035

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

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

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

ITEM	1939
Number of establishments [1]	[2] 14
Proprietors and firm members	4
Persons reported by manufacturing establishments, total [3]	337
Salaried officers of corporations [3]	15
Manufacturing:	
Salaried employees [3]	39
Wage earners (average for the year) [4]	255
Distribution	25
Construction	----
Other	3
Salaries and wages, total [3]	$704,149
Salaried officers [3]	165,827
Manufacturing:	
Salaries [3]	96,854
Wages	357,346
Distribution	81,933
Construction	----
Other	2,189

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

ITEM	1939
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	$6,861,194
Materials, supplies, and containers	6,810,405
Fuel	35,469
Purchased electric energy	8,947
Contract work	6,373
Value of products	9,813,799
Value added by manufacture [5]	2,952,605

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] California, 2 establishments; Connecticut, 1; Illinois, 2; Michigan, 1; New Jersey, 2; New York, 6.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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 production statistics are collected for this industry by the Bureau of the Census, 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 FOR NEW YORK, 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	255	263	262	264	258	249	247	243	244	245	256	261	273
1937	195	191	192	200	200	194	192	188	190	195	201	195	200
1929	265	209	226	243	270	286	261	267	274	315	301	281	247
New York	112	108	112	111	112	111	106	111	114	115	118	112	112

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	14
Reporting expenditures for plant and equipment	6
Value of products:	
Total for the industry	$9,813,799
Reporting expenditures for plant and equipment	7,698,033
Expenditures for plant and equipment:	
Total for the industry	56,444
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	8,130
Expenditures for new machinery and operating equipment	48,314
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	----

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

	1939	1937
Inventories:		
Beginning of year, total	$2,354,040	$1,259,042
Finished products	1,035,930	448,487
Materials, supplies, etc.	1,318,110	810,555
End of year, total	2,340,670	1,590,433
Finished products	936,227	560,368
Materials, supplies, etc.	1,404,443	1,030,065
Value of products for the industry, total	9,813,799	5,138,886
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	9,803,905	5,037,341
Value for establishments not reporting inventories	9,894	101,545

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

	1939	1929
Number of establishments	14	22
Number of establishments reporting power equipment	14	16
Prime movers, aggregate:		
Number	11	24
Horsepower	655	981
Prime movers, driving generators, total—		
Number	1	[1] 24
Horsepower	400	[1] 981
Steam engines—		
Number	1	[1] 21
Horsepower	400	[1] 594

TABLE 8.—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] 1
Horsepower		[1] 250
Hydroturbines and water wheels—		
Number		[1] 2
Horsepower		[1] 137
Prime movers not driving generators, total—		
Number	10	
Horsepower	255	
Steam engines—		
Number	9	[2]
Horsepower	240	
Hydroturbines and water wheels—		
Number	1	
Horsepower	15	
Generators, kilowatt rating, total	275	445
Generators, driven by—		
Steam engines, kilowatt rating	275	[3]
Electric motors, total:		
Number	222	217
Horsepower	526	1,100
Driven by purchased energy—		
Number	124	196
Horsepower	348	913
Driven by energy generated in establishments reporting—		
Number	98	21
Horsepower	178	193
Electric energy (kilowatt-hours):		
Generated in plant	1,225,000	[3]
Purchased	276,348	788,891

[1] Includes data for prime movers not driving generators.
[2] Not called for on schedule.
[3] Data not available.

FISH AND OTHER MARINE OILS, CAKE, AND MEAL

[A preliminary report for this industry was issued December 19, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of fish oil and meal and other marine animal oils.

Most of the establishments classified in this industry for 1939 were formerly classified in the "Oils not elsewhere classified" industry; the remainder, 18 establishments, were classified in other industries. A special tabulation was made of the 1937 reports in order to obtain figures comparable with those for 1939.

No detailed production statistics for these products are compiled by the Bureau of the Census. Such statistics are published by the Fish and Wild Life Service, Department of the Interior, in its statistical Bulletin No. 1391.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	76	1,523	$1,307,934	$8,907,314	$13,622,312	$4,714,998	11,543
1937 [4]	59	1,212	979,075	7,664,695	11,593,312	3,928,617	(5)

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] No comparable figures for earlier years.
[5] 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	Florida	New Jersey	North Carolina	Virginia	Washington	Other States [1]
Number of establishments [2]	76	34	4	3	8	9	3	15
Proprietors and firm members	17	4	1		7		1	4
Persons reported by manufacturing establishments, total [3]	1,806	562	72	78	106	491	32	466
Salaried officers of corporations [3]	92	43	2	8	8	12	2	17
Manufacturing:								
Salaried employees [3]	139	61	8	8	6	11	5	40
Wage earners (average for the year) [4]	1,523	442	59	51	92	468	23	389
Distribution	38	16	1	11			1	9
Construction	14		2				1	11
Other								
Salaries and wages, total [3]	$2,150,222	$818,669	$56,435	$293,445	$121,798	$377,082	$28,033	$454,760
Salaried officers [3]	540,419	201,536	2,400	162,665	45,400	23,900	5,500	99,018
Manufacturing:								
Salaries [3]	209,385	100,372	13,296	14,532	7,487	10,013	3,169	60,516
Wages	1,307,934	486,176	38,339	82,322	68,911	343,169	17,654	271,363
Distribution	80,524	30,585	2,000	33,926			1,196	12,817
Construction	11,960		400				514	11,046
Other								
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	8,907,314	5,228,355	194,767	452,755	341,304	585,089	112,336	1,992,708
Materials, supplies, and containers	8,451,860	5,097,479	187,183	401,624	300,062	469,759	106,580	1,889,173
Fuel	361,762	80,055	6,288	40,214	39,646	111,628	3,312	80,619
Purchased electric energy	90,577	48,821	1,296	10,917	1,596	2,837	2,444	22,666
Contract work	3,115	2,000				865		250
Value of products	13,622,312	7,565,503	301,340	923,300	660,003	1,076,297	150,983	2,944,886
Value added by manufacture [5]	4,714,998	2,337,148	106,573	470,545	318,699	491,208	38,647	952,178

[1] Delaware, 1 establishment; Maine, 4; Maryland, 2; Massachusetts, 2; New York, 2; Oregon, 3; Pennsylvania, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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 data are collected by the Bureau of the Census for this industry. The Department of the Interior published such statistics in the Fish and Wild Life Service, Bulletin No. 1391.

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	1,523	834	511	388	540	547	2,263	2,195	2,272	2,415	2,808	2,112	1,395
1937	1,212	976	831	598	493	593	1,354	1,633	1,779	1,845	1,926	1,562	949
California	442	585	293	182	240	197	227	222	220	491	990	864	798
Florida	59	29	28	28	98	98	98	75	75	51	51	51	28
Maine	38	17	24	19	37	45	43	42	55	48	44	38	46
New Jersey	51	16	16	19	19	25	102	113	118	105	31	22	23
North Carolina	92	89	58	49	52	57	86	66	69	68	91	201	214
Oregon	21	14	8	8	8	9	7	40	81	31	19	14	10
Virginia	468	3	3	3	3	7	1,059	915	913	910	902	716	182
Washington	23	1	2	2	1	1	7	71	90	60	35	1	1

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	76
Reporting expenditures for plant and equipment	54
Value of products:	
Total for the industry	$13,622,312
Reporting expenditures for plant and equipment	10,828,852
Expenditures for plant and equipment:	
Total for the industry	427,890
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	104,442
Expenditures for new machinery and operating equipment	310,854
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	12,594

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

	1939	1937
Inventories:		
Beginning of year, total	$1,508,887	$1,778,183
Finished products	694,226	1,263,363
Materials, supplies, etc	814,661	514,820
End of year, total	1,996,066	2,095,597
Finished products	754,282	1,225,240
Materials, supplies, etc	1,241,784	870,357
Value of products for the industry, total	13,622,312	11,593,312
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	12,332,289	9,967,457
Value for establishments not reporting inventories	1,290,023	1,625,855

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	76
Number of establishments reporting power equipment	75
Prime movers, aggregate:	
Number	169
Horsepower	11,543
Prime movers, driving generators, total—	
Number	7
Horsepower	1,234
Steam engines—	
Number	5
Horsepower	84
Steam turbines—	
Number	2
Horsepower	1,150
Prime movers not driving generators, total—	
Number	162
Horsepower	10,309
Steam engines—	
Number	152
Horsepower	8,149
Steam turbines—	
Number	1
Horsepower	10
Diesel and semi-Diesel engines—	
Number	5
Horsepower	2,105
Other internal-combustion engines [2]—	
Number	4
Horsepower	45
Prime movers not driving generators, ordinarily idle (included above), horsepower	190
Generators, kilowatt rating, total	911
Generators, driven by—	
Steam engines, kilowatt rating	61
Steam turbines, kilowatt rating	850
Electric motors, total:	
Number	1,023
Horsepower	14,261
Driven by purchased energy—	
Number	998
Horsepower	13,780
Driven by energy generated in establishments reporting—	
Number	25
Horsepower	481
Electric energy (kilowatt-hours):	
Generated in plant	162,500
Purchased	4,248,259

[1] Comparable data for 1929 not available. [2] Gas, gasoline, etc.

VEGETABLE AND ANIMAL OILS, NOT ELSEWHERE CLASSIFIED

[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 vegetable and animal oils not elsewhere classified, such as coconut, peanut, and other vegetable oils, neat's-foot and other animal oils. It does not include the production of cottonseed oil, linseed oil, essential oils, fish oil, and soybean oil, as statistics for each of these are published separately.

Statistics on the production of the various oils covered by this classification are not compiled by the Biennial Census of Manufactures, but are presented in the annual reports of the Bureau, entitled "Animal and Vegetable Fats and Oils."

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	54	1,108	$1,236,515	$24,377,653	$30,456,835	$6,079,182	2,567
1937 [4]	38	1,068	1,255,988	30,004,760	36,200,028	6,195,268	[5]

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] No comparable figures for earlier years.
[5] 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	Georgia	New Jersey	Pennsylvania	Other States [1]
Number of establishments [2]	54	4	12	7	4	4	23
Proprietors and firm members	11		6	2		2	1
Persons reported by manufacturing establishments, total [3]	1,492	147	218	208	394	63	462
Salaried officers of corporations [3]	43	2	6	5	7	6	17
Manufacturing:							
Salaried employees [3]	191	16	21	25	63	3	63
Wage earners (average for the year) [4]	1,108	119	174	172	301	32	310
Distribution	118	8	12	6	20	20	52
Construction	28	2	5		3		18
Other	4					2	2
Salaries and wages, total [3]	$2,010,710	$59,280	$365,519	$127,820	$717,020	$120,771	$620,300
Salaried officers [3]	231,054	2,875	13,850	21,300	71,133	46,320	75,576
Manufacturing:							
Salaries [3]	325,985	6,744	55,122	32,634	118,401	6,540	106,544
Wages	1,236,515	44,448	265,951	68,268	473,452	36,964	347,437
Distribution	191,364	4,828	19,910	5,618	47,670	29,876	83,462
Construction	23,160	390	10,686		6,364		5,720
Other	2,632					1,071	1,561
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	24,377,653	1,062,053	6,159,359	1,466,793	8,245,634	485,556	6,958,258
Materials, supplies, and containers	23,852,334	1,043,448	6,059,354	1,441,385	8,057,336	469,549	6,781,262
Fuel	298,638	8,306	19,774	16,916	133,050	11,151	109,441
Purchased electric energy	226,681	10,299	80,231	8,492	55,248	4,856	67,555
Contract work							
Value of products	30,456,835	1,152,790	6,600,655	1,724,230	11,399,071	671,488	8,908,601
Value added by manufacture [5]	6,079,182	90,737	441,296	257,437	3,153,437	185,932	1,950,343

[1] Connecticut, 2 establishments; Delaware, 2; Florida, 1; Illinois, 2; Indiana, 1; Maryland, 1; Massachusetts, 3; Michigan, 1; Mississippi, 1; New York, 2; North Carolina, 2; Oregon, 1; Texas, 1; Virginia, 1; Washington, 2.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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 statistics are compiled for this industry by the Biennial Census of Manufactures; therefore, there are no figures for tables 3 and 4. Annual reports are published by the Bureau, entitled "Animal and Vegetable Fats and Oils."

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	1,108	1,077	1,120	1,259	1,261	1,279	1,133	961	951	1,007	1,053	1,030	1,163
1937	1,068	930	1,063	1,143	1,086	1,082	1,007	1,128	1,077	1,048	1,120	1,067	1,066
Alabama	119	90	92	226	219	225	98	112	38	108	80	75	66
California	174	233	235	205	199	175	103	107	152	147	173	172	183
Georgia	172	127	161	171	223	237	198	120	148	147	188	172	175
Massachusetts	10	8	10	10	10	9	9	9	10	11	11	12	11
New Jersey	301	288	287	292	291	288	295	292	295	270	324	339	347
Pennsylvania	32	31	31	33	33	33	31	31	28	34	33	35	34

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	54
Reporting expenditures for plant and equipment	29
Value of products:	
Total for the industry	$30,456,835
Reporting expenditures for plant and equipment	25,562,155
Expenditures for plant and equipment:	
Total for the industry	475,874
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	116,213
Expenditures for new machinery and operating equipment	336,211
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	23,450

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

	1939	1937
Inventories:		
Beginning of year, total	$8,279,458	$5,388,612
Finished products	2,788,061	3,245,137
Materials, supplies, etc	5,491,397	2,143,475
End of year, total	7,414,578	6,733,293
Finished products	2,402,052	3,371,522
Materials, supplies, etc	5,012,526	3,361,771
Value of products for the industry, total	30,456,835	36,200,028
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	30,428,579	36,097,007
Value for establishments not reporting inventories	28,256	103,021

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939[1]

	1939
Number of establishments	54
Number of establishments reporting power equipment	54
Prime movers, aggregate:	
Number	19
Horsepower	2,567
Prime movers, steam engines, driving generators—	
Number	6
Horsepower	1,457
Prime movers, driving generators, ordinarily idle (included above), horsepower	557
Prime movers not driving generators, total—	
Number	13
Horsepower	1,110
Steam engines—	
Number	11
Horsepower	810
Steam turbines—	
Number	2
Horsepower	300
Prime movers not driving generators, ordinarily idle (included above), horsepower	250
Generators, driven by steam engines, kilowatt rating	1,165
Generators, ordinarily idle (included above), kilowatt rating	550
Electric motors, total:	
Number	1,216
Horsepower	16,926
Driven by purchased energy—	
Number	1,204
Horsepower	16,717
Driven by energy generated in establishments reporting—	
Number	12
Horsepower	209
Electric energy (kilowatt-hours):	
Generated in plant	178,700
Purchased	21,069,611

[1] Comparable data for 1929 not available.

DRUGS AND MEDICINES (INCLUDING DRUG GRINDING)

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

Description of the industry.—This industry, as constituted for Manufactures Census purposes, embraces establishments primarily engaged in the manufacture of drugs and medicines, and biological and pharmaceutical preparations. This industry also includes the grinding of drugs and herbs which for prior censuses was a separate classification. Figures, as published for 1937 and prior years, include drug grinding.

Statistics for prior census years.—Prior to the 1935 census, part of the establishments now classified in the Drugs and Medicines industry were classified in the former Druggists' Preparations industry and part in the former Patent or Proprietary Medicines and Compounds industry.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1929 TO 1939

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	1,094	22,386	$23,897,990	$115,272,573	$364,985,404	$249,712,831	20,506
1937	1,034	24,795	26,965,191	103,583,860	353,853,522	250,269,662	(5)
1935	1,077	22,718	22,580,005	87,082,612	297,649,233	210,566,621	(6)
1933	1,018	20,313	19,411,542	74,041,928	263,411,931	189,370,003	(5)
1931	1,220	21,684	23,905,619	87,813,259	322,721,987	234,908,728	(5)
1929 [7]	1,392	24,518	27,964,786	118,184,950	386,628,876	268,443,926	(6)

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] Data not available.
[7] No comparable data available 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	Alabama	California	Colorado	District of Columbia	Georgia	Illinois	Indiana	Iowa	Kansas
Number of establishments [1]	1,094	3	71	13	5	16	88	38	24	16
Proprietors and firm members	330	3	38	3	----	----	24	16	7	5
Persons reported by manufacturing establishments, total [2]	40,392	7	945	108	80	152	3,433	3,037	972	170
Salaried officers of corporations [2]	1,453	3	58	15	13	26	128	39	34	13
Manufacturing:										
Salaried employees [2]	5,559	----	168	14	7	25	362	240	62	20
Wage earners (average for the year) [3]	22,386	4	486	59	46	77	1,697	1,834	313	105
Distribution	10,202	----	219	19	12	23	1,225	635	560	26
Construction	301	----	13	1	----	----	13	7	2	5
Other	491	----	1	----	2	1	8	282	1	1
Salaries and wages, total [2]	$64,223,527	$7,492	$1,464,457	$161,217	$136,166	$206,344	$5,412,541	$5,805,761	$1,148,695	$254,331
Salaried officers [2]	9,299,789	4,625	272,168	52,418	62,572	85,029	743,679	475,680	184,107	56,170
Manufacturing:										
Salaries [2]	10,848,948	----	277,076	24,476	10,038	43,155	665,833	529,972	105,496	36,717
Wages	23,897,990	2,867	535,700	60,018	42,576	47,140	1,727,500	2,367,996	301,282	107,076
Distribution	18,411,742	----	361,799	22,176	20,707	30,220	2,247,096	1,426,700	549,547	48,606
Construction	479,101	----	16,242	1,313	----	----	17,052	13,937	4,233	3,762
Other	1,285,957	----	1,472	816	273	800	11,381	991,476	4,030	2,000
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	115,272,573	10,160	2,140,519	360,291	312,251	402,819	9,464,680	8,475,903	1,582,843	484,015
Materials, supplies, and containers	112,128,193	10,065	2,095,547	353,953	308,784	396,501	9,201,043	8,279,837	1,549,021	472,272
Fuel	1,279,337	35	22,161	3,296	1,632	3,171	104,603	104,818	14,844	5,744
Purchased electric energy	1,000,309	60	22,441	3,042	599	3,147	81,700	91,248	15,909	5,999
Contract work	864,734	----	370	----	1,236	----	77,334	----	3,069	----
Value of products	364,985,404	35,868	5,023,913	803,855	632,433	2,767,751	30,965,580	37,400,313	4,266,787	1,188,165
Value added by manufacture [4]	249,712,831	25,708	2,883,394	443,564	320,182	2,364,932	21,500,900	28,924,410	2,683,944	704,150

ITEM	Kentucky	Louisiana	Maryland	Massachusetts	Michigan	Minnesota	Missouri	Nebraska	New Jersey	New York
Number of establishments [1]	9	9	27	39	32	26	62	16	65	227
Proprietors and firm members	7	3	9	5	17	8	15	4	4	54
Persons reported by manufacturing establishments, total [2]	178	84	696	1,277	4,095	750	2,596	434	4,393	7,819
Salaried officers of corporations [2]	9	6	43	59	45	39	83	33	94	331
Manufacturing:										
Salaried employees [2]	54	9	132	216	671	47	282	42	598	1,263
Wage earners (average for the year) [3]	66	62	387	744	2,446	314	1,514	199	2,592	4,522
Distribution	43	7	99	249	891	337	682	158	1,004	1,562
Construction	3	----	9	----	35	13	24	2	64	74
Other	3	----	26	9	7	----	11	----	41	67
Salaries and wages, total [2]	$241,972	$86,411	$1,243,604	$1,902,146	$7,180,625	$1,164,218	$4,174,845	$719,236	$7,761,221	$11,831,827
Salaried officers [2]	49,115	26,500	324,264	338,117	445,253	248,868	712,974	135,786	1,030,812	1,886,242
Manufacturing:										
Salaries [2]	56,524	10,833	234,138	376,494	1,782,696	78,062	587,509	70,472	1,294,040	2,347,584
Wages	52,532	36,192	322,803	779,139	3,143,462	321,684	1,537,941	198,760	2,993,786	4,786,677
Distribution	78,110	12,886	299,027	390,082	1,742,228	478,394	1,283,690	311,818	2,260,105	2,617,054
Construction	3,830	----	16,148	208	56,666	37,210	33,054	2,400	116,117	112,968
Other	1,861	----	47,224	18,106	10,320	----	19,677	----	66,361	81,302

See footnotes at end of table.

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

ITEM	Kentucky	Louisiana	Maryland	Massachusetts	Michigan	Minnesota	Missouri	Nebraska	New Jersey	New York
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	$250,502	$235,523	$2,405,297	$6,636,894	$10,513,580	$2,009,426	$6,643,253	$1,263,015	$16,722,328	$20,557,198
Materials, supplies, and containers	245,680	232,411	2,369,011	6,565,330	10,270,110	1,977,612	6,536,291	1,245,444	16,191,727	19,499,251
Fuel	2,359	216	13,322	48,244	184,481	18,216	43,333	8,242	314,682	185,412
Purchased electric energy	2,463	2,896	22,811	23,206	58,767	12,998	55,911	8,879	164,477	190,478
Contract work			153	114	222	600	7,718	450	51,442	682,057
Value of products	1,349,697	563,002	8,863,295	13,942,218	49,953,160	5,166,054	23,006,499	3,272,009	48,723,034	62,283,358
Value added by manufacture [4]	1,099,195	327,479	6,457,998	7,305,324	39,439,580	3,156,628	16,363,246	2,008,994	32,000,706	41,726,160

ITEM	North Carolina	Ohio	Oregon	Pennsylvania	Tennessee	Texas	Virginia	West Virginia	Wisconsin	Other States [5]
Number of establishments [1]	14	75	4	85	22	21	9	5	16	57
Proprietors and firm members	6	28	2	25	6	8	2		6	25
Persons reported by manufacturing establishments, total [3]	458	1,710	14	3,558	1,394	282	151	86	343	1,171
Salaried officers of corporations [2]	16	89	2	117	36	26	19	3	20	54
Manufacturing:										
Salaried employees [2]	44	284	3	608	91	36	33	20	42	186
Wage earners (average for the year) [3]	249	772	8	2,105	649	146	62	46	128	755
Distribution	148	544	1	710	612	63	36	16	147	174
Construction		6		12	1	9			6	2
Other	1	15		6	5	2	1	1		
Salaries and wages, total [3]	$744,123	$2,652,729	$15,703	$5,067,886	$1,973,802	$418,367	$264,444	$71,255	$541,251	$1,570,858
Salaried officers [2]	154,258	542,447	5,200	740,094	196,533	90,549	80,369	6,300	96,653	253,007
Manufacturing:										
Salaries [2]	99,865	445,473	5,219	1,096,263	146,910	59,022	51,994	33,861	66,320	312,906
Wages	251,130	696,407	4,891	2,014,892	521,646	121,158	54,918	21,609	125,450	720,758
Distribution	238,059	946,775	393	1,190,635	1,102,873	139,623	76,425	8,800	247,901	280,013
Construction		7,179		20,270	1,425	5,986			4,927	4,174
Other	811	14,448		5,732	4,415	2,029	738	685		
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	1,141,234	3,437,625	43,412	10,467,736	3,107,062	580,189	360,918	85,474	578,410	5,000,016
Materials, supplies, and containers	1,124,339	3,378,166	40,078	10,191,056	3,076,601	566,662	356,688	83,042	568,208	4,943,463
Fuel	5,002	27,346	1,826	107,843	10,867	7,117	2,057	1,156	5,906	31,406
Purchased electric energy	11,893	22,718	1,508	140,329	19,594	6,410	2,173	1,276	4,286	23,091
Contract work		9,395		28,508					10	2,056
Value of products	3,828,730	10,153,736	63,420	27,846,294	8,056,602	1,581,663	1,516,476	255,333	1,674,300	9,801,859
Value added by manufacture [4]	2,687,496	6,716,111	20,008	17,378,558	4,949,540	1,001,474	1,155,558	169,859	1,095,890	4,801,843

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Arkansas, 5 establishments; Connecticut, 8; Delaware, 2; Florida, 5; Maine, 2; Mississippi, 2; New Hampshire, 3; Oklahoma, 2; Rhode Island, 3; South Carolina, 3; South Dakota, 4; Utah, 2; Vermont, 6; Washington, 10.

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

	1939	1937 [1]
Drugs and Medicines (Including Drug Grinding) industry, all products, total value	$364,985,404	$353,853,522
Drugs and medicines made in the industry	329,456,262	316,158,279
Miscellaneous products not specified	5,185,239	37,695,243
Receipts for contract and commission work	117,771	
Other products (not classified in the industry)	[2] 30,226,132	
Drugs and medicines, aggregate value	363,445,992	344,179,452
Drugs and medicines made in the industry	329,456,262	316,158,279
Drugs and medicines made as secondary products in other industries of the "Drugs, Medicines, Toilet Preparations, Insecticides, and Related Products" subgroup [3]	12,041,985	28,021,173
Drugs and medicines made as secondary products in other industries	21,947,745	

[1] Revised.
[2] Includes value of cosmetics, insecticides, flavoring extracts and sirups, soap products, etc.
[3] The three industries, "Drugs and medicines (including drug grinding)," "Perfumes, cosmetics, and other toilet preparations," and "Insecticides, fungicides, and related industrial and household chemical compounds" form the "Drugs, Medicines, Toilet Preparations, and Related Products" subgroup.

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

PRODUCT	1939	1937
Aggregate value	$363,445,992	[1] $344,179,452
Drugs and medicines not advertised to the general public, but sold to or prescribed by physicians, total value	$179,288,506	[1] $142,335,840
Alkaloids and derivatives, made for sale:		
Total ounces	37,694,775	[1] 18,955,603
Total value	$8,971,403	[1] $8,620,289

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

PRODUCT	1939	1937
Drugs and medicines, etc.—Continued.		
Alkaloids and derivatives, made for sale—Con.		
Caffeine—		
Ounces	19,246,080	13,451,456
Value	$2,055,557	$1,344,772
Ephedrine—		
Ounces	403,237	[1] 5,504,147
Value	$593,778	[1] $7,275,517
Other (including brucine, codein, morphine, quinine, strychnine, and nicotine, except nicotine sulphate)—		
Ounces	18,045,458	
Value	$6,322,068	
Biological products, total value	$21,773,921	[1] $16,769,864
For human use:		
Antitoxins	1,570,283	[1] 2,568,351
Bacterins	907,875	[1] 874,890
Serums	1,804,729	[1] 1,638,782
Vaccines	2,301,587	1,914,630
Viruses	265,629	[1] 457,797
Other (not classified above)	2,583,216	2,022,296
For animal use:		
Antitoxins	94,572	[1] 116,195
Bacterins	1,292,848	[1] 775,064
Serums	7,832,942	[1] 4,721,602
Vaccines	1,567,120	[1] 622,344
Viruses	961,644	707,635
Other (not classified above)	591,476	350,278
Other drugs and medicines not advertised to the general public, but sold to or prescribed by physicians, total value	$148,543,182	[1] $116,945,687
Prepared intramuscular, subcutaneous, and intravenous products:		
U. S. P. and N. F.* (including arsphenamines)	[2] 9,727,974	7,790,524
Special formulas	[2] 4,717,892	4,449,466

See footnotes at end of table.

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

PRODUCT	1939	1937
Drugs and medicines, etc.—Continued.		
Other drugs and medicines, etc.—Continued.		
Liquid preparations (tinctures, fluid extracts, sirups, elixirs, solutions, suspensions, etc.):		
U. S. P. and N. F.	[4] $10,814,465	[1] $10,671,848
Special formulas	[5] 19,464,732	[1] 20,270,156
Dry preparations (pills, tablets, powders, salts, etc.):		
U. S. P. and N. F.	[6] 15,443,590	[1] 8,860,283
Special formulas	[7] 26,376,238	[1] 22,552,166
Ointments, cerates, suppositories, globules, etc.:		
U. S. P. and N. F.	[8] 1,828,370	[1] 1,980,989
Special formulas	3,836,277	[1] 3,092,493
Pharmaceutical metals and their salts (bromides, citrates, bismuth, etc.):		
U. S. P. and N. F.	1,126,609	530,882
Special formulas	1,624,628	1,444,460
Synthetic chemical medicinals:		
U. S. P. and N. F.	2,742,817	[1] 7,922,542
Special formulas	7,910,509	
Gland products:		
U. S. P. and N. F.	5,580,879	[1] 5,311,315
Special formulas	11,319,317	[1] 8,954,555
Vitamin products:		
U. S. P. and N. F.	4,303,299	[1] 3,290,478
Special formulas	18,934,151	[1] 9,823,530
Other (not classified above, including samples, etc.)	2,791,435	[9]
Drugs and medicines in specially prepared packages, advertised for sale to the general public, total value	$168,290,547	[1] $184,309,381
Liquid preparations (tinctures, fluid extracts, sirups, elixirs, solutions, suspensions, etc.):		
U. S. P. and N. F.	[10] 10,824,147	[1] 12,242,736
Special formulas	[11] 51,607,755	[1] 60,569,437
Dry preparations (pills, tablets, powders, salts, etc.):		
U. S. P. and N. F.	[12] 5,319,933	[1] 5,658,068
Special formulas	[13] 55,906,145	[1] 63,058,437
Ointments, cerates, suppositories, globules, etc.:		
U. S. P. and N. F.	3,987,662	[1] 4,210,163
Special formulas	[14] 17,822,008	[1] 20,855,413
Pharmaceutical metals and their salts (bromides, citrates, bismuth, etc.):		
U. S. P. and N. F.	220,861	[1] 198,294
Special formulas	933,647	[1] 1,812,042
Synthetic chemical medicinals	926,362	[1] 830,626
Gland products:		
Special formulas and U. S. P. and N. F. [15]	1,305,973	[1] 889,663
Vitamin products:		
U. S. P. and N. F.	5,122,381	[1] 3,391,618
Special formulas	[16] 13,502,649	[1] 10,592,884
Other (not classified above, including samples, etc.)	[17] 811,024	[9]
Medical products not classified above		[1] 1,187,360
Poultry and animal remedies (except biological products)	[18] 8,978,233	8,630,150
Drug grinding [19]	[20] 6,888,706	7,716,721

*United States Pharmacopoeia and National Formulary.

[1] Revised.

[2] Includes a value of $78,726 for this item made in establishments not classified in the Drugs and Medicines (Including Drug Grinding) industry.

[3] Includes a value of $84,445 for this item made in establishments not classified in the Drugs and Medicines industry.

[4] Includes a value of $95,829 for this item made in establishments not classified in the Drugs and Medicines industry.

[5] Includes a value of $505,564 for this item made in establishments not classified in the Drugs and Medicines industry.

[6] Includes a value of $122,841 for this item made in establishments not classified in the Drugs and Medicines industry.

[7] Includes a value of $652,412 for this item made in establishments not classified in the Drugs and Medicines industry.

[8] Includes a value of $22,156 for this item made in establishments not classified in the Drugs and Medicines industry.

[9] Included in "Medical products not classified above."

[10] Includes a value of $1,746,754 for this item made in establishments not classified in the Drugs and Medicines industry.

[11] Includes a value of $3,261,979 for this item made in establishments not classified in the Drugs and Medicines industry.

[12] Includes a value of $460,479 for this item made in establishments not classified in the Drugs and Medicines industry.

[13] Includes a value of $8,031,270 for this item made in establishments not classified in the Drugs and Medicines industry.

[14] Includes a value of $2,058,946 for this item made in establishments not classified in the Drugs and Medicines industry.

[15] Figures for special formulas and U. S. P. and N. F. combined to avoid disclosing data reported by individual establishments.

[16] Includes a value of $550,103 for this item made in establishments not classified in the Drugs and Medicines industry.

[17] Includes a value of $262,358 for this item made in establishments not classified in the Drugs and Medicines industry.

[18] Includes a value of $537,233 for this item made in establishments not classified in the Drugs and Medicines industry.

[19] Includes grinding of drugs, charcoal, herbs, gums, licorices, and other roots.

[20] Includes a value of $248,113 for this item made in establishments not classified in the Drugs and Medicines industry.

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

PRODUCT AND STATE	Value
Drugs and medicines not advertised to the general public, but sold to or prescribed by physicians:	
Prepared intramuscular, subcutaneous, and intravenous products—	
Special formulas, total	$4,717,892
New Jersey	891,239
New York	1,808,333
Ohio	77,879
Mo., Tenn.	364,049
Other States [1]	1,576,392
Liquid preparations (tinctures, fluid extracts, sirups, elixirs, solutions, suspensions, etc.)—	
U. S. P. and N. F.,* total	10,814,465
California	84,801
Illinois	352,805
Minnesota	36,259
Missouri	60,879
New Jersey	459,646
New York	1,077,027
Ohio	385,804
Pennsylvania	3,016,962
Ind., Mich.	4,397,019
Iowa, Nebr., Wis.	55,950
Tenn., Ky.	69,897
Other States [2]	817,416
Special formulas, total	19,464,732
California	63,130
Connecticut	153,092
Illinois	1,079,060
Massachusetts	713,104
Missouri	170,854
New Jersey	1,361,342
New York	3,915,650
Ohio	1,075,593
Pennsylvania	1,454,939
Wisconsin	28,386
Ind., Mich.	7,977,726
Tenn., Va.	987,628
Ga., N. C.	26,170
Other States [3]	458,058
Dry preparations (pills, tablets, powders, salts, etc.)—	
U. S. P. and N. F., total	15,443,590
California	76,114
Missouri	56,545
New York	2,716,229
Ohio	411,360
Pennsylvania	2,477,413
Tennessee	57,102
Other States [4]	9,648,827
Special formulas, total	26,376,238
California	95,021
Illinois	2,861,104
Indiana	614,536
Massachusetts	519,666
Missouri	779,964
New Jersey	1,507,701
New York	6,372,733
Ohio	924,554
Pennsylvania	2,689,398
D. C., Md.	92,831
Iowa, Kans.	139,315
Other States [5]	9,779,415
Ointments, cerates, suppositories, globules, etc.—	
Special formulas, total	3,836,277
Illinois	389,477
Massachusetts	144,835
Michigan	971,846
Minnesota	10,534
Missouri	154,619
New Jersey	317,059
New York	1,081,190
Ohio	114,131
Ala., Ga., Tenn.	97,885
Ind., Ky.	60,976
Other States [6]	493,725

PRODUCT AND STATE	Value
Drugs and medicines, etc.—Continued.	
Synthetic chemical medicinals:	
Special formulas, total	$7,910,509
New Jersey	2,431,243
N. Y., Pa.	468,210
Ill., Ind., Mich.	4,953,917
Calif., Colo., Mass., Mo., Ohio, Wis.	57,139
Vitamin products—	
U. S. P. and N. F., total	4,303,299
New Jersey	3,799,374
New York	114,581
Mich., Ohio	128,731
Ill., Ind.	161,054
Calif., Iowa, Mass., Nebr., Pa., Tenn., Va., Wis.	99,559
Drugs and medicines in specially prepared packages advertised for sale to the general public:	
Liquid preparations (tinctures, fluid extracts, sirups, elixirs, solutions, suspensions, etc.)—	
U. S. P. and N. F., total	10,824,147
California	400,231
Illinois	825,655
Maryland	209,398
Michigan	1,455,155
Missouri	689,441
New Jersey	920,861
New York	1,314,989
Ohio	468,387
Pennsylvania	1,898,611
Tennessee	204,658
Texas	186,254
Other States [7]	2,250,507
Special formulas, total	51,607,755
California	681,557
Georgia	783,540
Illinois	5,892,398
Indiana	1,573,773
Iowa	81,003
Louisiana	439,794
Maryland	1,638,382
Massachusetts	5,401,367
Michigan	1,420,505
Minnesota	1,777,844
Missouri	6,368,247
New Jersey	5,297,222
New York	9,684,210
North Carolina	522,729
Ohio	1,275,986
Pennsylvania	4,277,943
Tennessee	1,170,425
Texas	431,174
Virginia	81,900
West Virginia	114,129
Ark., Okla.	161,565
Other States [8]	2,532,062
Dry preparations (pills, tablets, powders, salts, etc.)—	
U. S. P. and N. F., total	5,319,933
California	213,816
Illinois	338,275
Maryland	125,758
Michigan	229,173
New York	997,824
Ohio	119,782
Tennessee	154,107
Texas	13,793
Conn., Mass.	847,644
Minn., Wis.	18,317
Other States [9]	2,261,444

See footnotes at end of table.

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

PRODUCT AND STATE	Value
Drugs and medicines in specially prepared packages advertised for sale to the general public—Con.	
Dry preparations (pills, tablets, powders, salts, etc.)—Continued.	
Special formulas, total	$55,906,145
California	725,307
Connecticut	942,327
Illinois	2,599,334
Iowa	100,758
Massachusetts	1,744,681
Michigan	1,211,944
Minnesota	124,626
Missouri	6,410,917
New Jersey	9,188,296
New York	8,031,064
North Carolina	2,690,910
Ohio	1,171,856
Pennsylvania	3,601,665
Tennessee	2,274,010
Wisconsin	25,222
Other States [10]	15,063,228
Ointments, cerates, suppositories, globules, etc.—	
Special formulas, total	17,822,008
California	281,751
Illinois	1,802,255
Indiana	241,052
Iowa	28,683
Massachusetts	561,100
Michigan	290,351
Minnesota	202,578
Missouri	650,854
New Jersey	2,365,049
New York	5,253,012
Pennsylvania	1,611,812
Texas	28,339
Drugs and medicines in specially prepared packages advertised for sale to the general public—Con.	
Ointments, cerates, suppositories, globules, etc.—Continued.	
Special formulas—Continued.	
Ark., La.	$61,523
Ala., Fla., Ga.	71,756
Colo., Kans.	44,378
Other States [11]	4,327,515
Pharmaceutical metals and their salts (bromides, citrates, bismuth, etc.)—	
Special formulas, total	933,647
Missouri	479,067
Ohio	55,888
Ill., Ind., Iowa, Mich., Wis.	102,484
N. J., N. Y.	178,813
Calif., Conn., Fla., La., Mass., Tex.	117,395
Vitamin products—U. S. P. and N. F., total	5,122,381
Illinois	66,682
Michigan	125,690
New York	1,580,857
Other States [12]	3,349,152
Special formulas, total	13,502,649
California	291,621
Illinois	783,334
New Jersey	4,109,374
New York	3,283,392
Tennessee	53,653
Mich., Mo., Ky., Ohio	936,245
Other States [13]	4,045,030

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

PRODUCT AND STATE	Value
Poultry and animal remedies (except biological products), total	$8,978,233
California	72,512
Illinois	856,072
Indiana	337,345
Iowa	2,056,014
Minnesota	84,837
Missouri	581,500
Nebraska	711,764
Poultry and animal remedies (except biological products)—Continued.	
New York	$722,403
Ohio	984,308
Pennsylvania	473,590
South Dakota	60,167
Tennessee	174,418
Ga., S. C.	21,269
Other States [14]	1,842,034

*United States Pharmacopoeia and National Formulary.

[1] California, Colorado, Connecticut, Illinois, Indiana, Kentucky, Michigan, Minnesota, Nebraska, Pennsylvania.

[2] Connecticut, District of Columbia, Georgia, Louisiana, Maryland, Massachusetts, New Hampshire, Rhode Island, Texas, West Virginia.

[3] Colorado, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Minnesota, Nebraska, New Hampshire, Rhode Island, Washington, West Virginia.

[4] Colorado, Connecticut, District of Columbia, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Nebraska, New Hampshire, New Jersey, Oregon, Virginia, Wisconsin.

[5] Colorado, Connecticut, Georgia, Kentucky, Louisiana, Michigan, Minnesota, Nebraska, New Hampshire, Rhode Island, Tennessee, Utah, Virginia, Wisconsin.

[6] California, Colorado, Connecticut, Iowa, Kansas, Maryland, Nebraska, Pennsylvania, Rhode Island, Wisconsin.

[7] Arkansas, Colorado, Connecticut, District of Columbia, Georgia, Indiana, Iowa, Louisiana, Massachusetts, Minnesota, Mississippi, Oregon, Rhode Island, West Virginia, Wisconsin.

[8] Colorado, Connecticut, District of Columbia, Delaware, Florida, Kansas, Kentucky, Mississippi, New Hampshire, Rhode Island, South Carolina, Vermont, Washington, Wisconsin.

[9] Arkansas, Colorado, District of Columbia, Georgia, Indiana, Iowa, Louisiana, Mississippi, Missouri, New Jersey, Oregon, Pennsylvania, Virginia, Washington.

[10] Alabama, Arkansas, Colorado, Delaware, District of Columbia, Florida, Georgia, Indiana, Kansas, Kentucky, Louisiana, Maryland, Mississippi, New Hampshire, Oregon, Rhode Island, South Carolina, Texas, Utah, Vermont, Virginia, Washington, West Virginia.

[11] Connecticut, Kentucky, Maine, Maryland, Mississippi, New Hampshire, North Carolina, Ohio, Oregon, Rhode Island, South Carolina, Tennessee, Utah, Virginia, Vermont, Washington, West Virginia, Wisconsin.

[12] California, Connecticut, District of Columbia, Indiana, Iowa, Massachusetts, Minnesota, Missouri, New Jersey, Ohio, Pennsylvania, Rhode Island, West Virginia.

[13] Connecticut, Florida, Georgia, Indiana, Louisiana, Massachusetts, Minnesota, New Hampshire, Pennsylvania, South Carolina, Texas, Washington, West Virginia, Wisconsin.

[14] Colorado, Connecticut, Delaware, Kansas, Maine, Maryland, Massachusetts, Mississippi, Michigan, New Jersey, Oregon, Texas, Vermont, Virginia, Washington, Wisconsin.

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	22,386	21,722	21,948	22,013	21,978	21,917	21,993	21,800	22,134	22,927	23,377	23,426	23,394
1937	24,795	24,541	25,015	24,964	24,661	24,480	24,307	24,304	24,549	25,313	25,678	25,212	24,511
Alabama	4	4	4	4	4	4	4	4	4	4	4	4	4
Arkansas	30	28	29	30	30	31	30	31	32	31	30	29	27
California	486	463	470	480	505	510	471	467	471	489	495	506	499
Colorado	59	53	54	59	59	60	61	61	62	61	61	61	61
Connecticut	495	425	429	408	406	434	540	559	559	551	544	544	539
District of Columbia	46	44	46	46	40	41	43	41	47	49	50	52	51
Florida	22	24	25	25	21	19	19	20	20	20	28	23	25
Georgia	77	78	78	74	77	106	65	63	66	73	105	68	70
Illinois	1,697	1,600	1,634	1,613	1,606	1,630	1,630	1,612	1,633	1,752	1,825	1,927	1,902
Indiana	1,834	1,801	1,839	1,893	1,896	1,792	1,838	1,801	1,808	1,818	1,852	1,837	1,831
Iowa	313	291	299	296	292	314	331	328	325	321	321	323	311
Kansas	105	99	100	97	105	103	112	109	116	107	101	104	103
Kentucky	66	60	62	66	64	65	62	66	66	69	69	71	72
Louisiana	62	59	62	64	64	63	64	62	62	62	65	61	60
Maryland	387	391	390	390	392	385	384	386	389	388	385	385	375
Massachusetts	744	769	808	792	788	722	705	698	699	725	741	736	745
Michigan	2,446	2,389	2,371	2,374	2,363	2,384	2,411	2,448	2,494	2,477	2,585	2,511	2,540
Minnesota	314	279	276	292	342	341	348	325	308	312	304	310	325
Missouri	1,514	1,470	1,489	1,506	1,509	1,461	1,508	1,489	1,528	1,580	1,533	1,547	1,552
Nebraska	199	186	188	190	190	195	203	217	212	207	199	200	198
New Hampshire	16	16	17	16	19	17	15	16	16	16	16	16	16
New Jersey	2,592	2,514	2,580	2,553	2,523	2,521	2,570	2,475	2,554	2,696	2,695	2,705	2,717
New York	4,522	4,360	4,404	4,481	4,449	4,510	4,406	4,314	4,404	4,613	4,767	4,808	4,753
North Carolina	249	229	225	222	236	235	234	245	263	293	297	266	238
Ohio	772	747	757	757	745	729	719	745	763	813	801	832	855
Oregon	8	7	7	7	7	7	7	9	9	9	9	9	9
Pennsylvania	2,105	2,145	2,090	2,081	2,059	2,061	2,008	1,991	2,007	2,147	2,210	2,204	2,259
Rhode Island	15	16	16	16	16	16	16	16	16	14	14	14	14
South Carolina	7	7	7	7	7	7	7	7	7	7	7	7	7
South Dakota	55	55	55	48	48	50	54	59	59	61	59	59	57
Tennessee	650	645	652	637	623	600	614	627	651	650	689	708	698
Texas	146	119	132	135	143	153	164	158	147	158	157	148	136
Vermont	24	27	27	27	24	25	23	23	23	24	23	23	24
Virginia	62	60	60	59	60	60	61	61	61	65	68	62	61
Washington	27	24	25	26	28	27	27	28	28	29	27	28	28
West Virginia	46	50	51	51	48	47	46	46	43	44	45	43	43
Wisconsin	128	127	127	128	125	127	126	128	130	130	131	131	130

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	1,094
Reporting expenditures for plant and equipment	544
Value of products:	
Total for the industry	$364,985,404
Reporting expenditures for plant and equipment	321,635,518
Expenditures for plant and equipment:	
Total for the industry	6,510,057
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	2,153,757
Expenditures for new machinery and operating equipment	3,962,394
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	381,390
Expenditures unclassified	12,516

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

	1939	1937
Inventories:		
Beginning of year, total	$70,629,379	$66,976,019
Finished products	27,898,581	29,614,342
Materials, supplies, etc	42,730,798	37,361,677
End of year, total	77,076,163	77,371,752
Finished products	28,797,638	34,671,110
Materials, supplies, etc	48,278,525	42,700,642
Value of products for the industry, total	364,985,404	353,853,522
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	354,632,538	346,941,841
Value for establishments not reporting inventories	10,352,866	6,911,681

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	1,094
Number of establishments reporting power equipment	1,091
Prime movers, aggregate:	
Number	123
Horsepower	20,506

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]—Continued

	1939
Prime movers—Continued.	
Prime movers, driving generators, total—	
Number	58
Horsepower	17,704
Steam engines—	
Number	44
Horsepower	6,481
Steam turbines—	
Number	9
Horsepower	10,401
Diesel and semi-Diesel engines—	
Number	3
Horsepower	785
Other internal-combustion engines [2]—	
Number	2
Horsepower	37
Prime movers, driving generators, ordinarily idle (included above), horsepower	1,867
Prime movers not driving generators, total—	
Number	65
Horsepower	2,802
Steam engines—	
Number	50
Horsepower	2,064
Steam turbines—	
Number	10
Horsepower	675
Internal-combustion engines,[2] other than Diesel and semi-Diesel—	
Number	4
Horsepower	43
Hydroturbines and water wheels—	
Number	1
Horsepower	20
Prime movers not driving generators, ordinarily idle (included above), horsepower	460
Generators, kilowatt rating, total	11,943
Generators, driven by—	
Steam engines, kilowatt rating	4,096
Steam turbines, kilowatt rating	7,275
Diesel and semi-Diesel engines, kilowatt rating	519
Other internal-combustion engines,[2] kilowatt rating	53
Generators, ordinarily idle (included above), kilowatt rating	1,211
Electric motors, total:	
Number	24,830
Horsepower	63,864
Driven by purchased energy—	
Number	21,711
Horsepower	55,928
Driven by energy generated in establishments reporting—	
Number	3,119
Horsepower	7,936
Electric energy (kilowatt-hours):	
Generated in plant	12,431,122
Sold	1,028,144
Purchased	55,516,139

[1] Comparable data for 1929 not available. [2] Gas, gasoline, etc.

PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS

[A preliminary report for this industry was issued December 19, 1940]

Description of the industry.—This industry as classified for Manufactures Census purposes embraces establishments primarily engaged in the manufacture of perfumes, cosmetics, and other toilet preparations such as toilet water, face powder, washes and lotions, hair tonics, tooth paste and powders, etc. It does not cover the manufacture of toilet soap nor that of shaving cream containing soap, but shaving cream containing no soap is treated as a product of this industry.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1931 TO 1939

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	539	10,363	$9,643,540	$58,509,926	$147,465,585	$88,955,659	2,890
1937	478	10,158	9,261,533	53,905,342	132,336,481	78,431,139	[5]
1935	558	9,662	8,585,752	44,758,827	119,529,172	74,770,345	[6]
1933	490	8,978	7,469,884	33,174,743	97,048,992	63,874,249	[6]
1931 [7]	658	10,026	9,673,527	44,184,334	153,818,139	109,633,805	[6]

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] Data not available.
[7] No comparable data available 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	Alabama	California	Connecticut	Georgia	Illinois	Indiana	Iowa	Louisiana
Number of establishments [1]	539	3	50	6	13	64	10	4	5
Proprietors and firm members	201	2	34	----	3	30	6	1	5
Persons reported by manufacturing establishments, total [2]	15,614	24	595	450	162	1,499	185	393	69
Salaried officers of corporations [2]	571	2	28	8	15	59	9	9	6
Manufacturing:									
Salaried employees [2]	1,669	3	89	66	25	116	17	62	6
Wage earners (average for the year) [3]	10,363	14	352	346	98	870	93	107	31
Distribution	2,911	5	121	25	24	451	61	155	26
Construction	36	----	5	----	----	----	----	----	----
Other	64	----	----	5	----	3	5	----	----
Salaries and wages, total [2]	$21,717,088	$21,720	$1,018,296	$570,843	$194,742	$2,247,444	$342,945	$620,799	$79,000
Salaried officers [2]	4,080,481	1,950	247,655	54,607	61,405	662,971	114,976	138,712	23,300
Manufacturing:									
Salaries [2]	2,866,980	3,600	156,225	130,977	27,418	195,117	37,154	95,659	10,141
Wages	9,643,540	9,218	350,945	334,019	62,319	791,185	79,448	189,264	19,077
Distribution	4,993,793	6,952	255,656	43,164	43,600	596,015	107,290	189,827	26,482
Construction	42,937	----	7,815	----	----	----	----	----	----
Other	89,357	----	----	8,076	----	2,156	4,077	7,337	----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	58,509,926	31,663	2,319,355	1,795,010	367,568	6,460,236	566,498	1,196,895	194,046
Materials, supplies, and containers	57,845,560	31,331	2,297,347	1,776,791	364,735	6,404,771	561,246	1,183,432	192,923
Fuel	200,206	158	6,727	7,633	1,441	18,477	2,362	5,217	253
Purchased electric energy	265,234	174	11,106	10,586	1,392	36,988	2,890	8,246	870
Contract work	198,926	----	4,175	----	----	----	----	----	----
Value of products	147,465,585	96,993	5,225,453	5,598,993	766,035	16,119,207	1,655,503	2,372,367	402,743
Value added by manufacture [4]	88,955,659	65,330	2,906,098	3,803,983	398,467	9,658,971	1,089,005	1,175,472	208,697

See footnotes at end of table.

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

ITEM	Massachusetts	Minnesota	Missouri	New Jersey	New York	Pennsylvania	Tennessee	Texas	Wisconsin	Other States [5]
Number of establishments [1]	16	13	32	34	193	17	8	12	5	54
Proprietors and firm members	5	9	9	4	34	13	3	12	4	27
Persons reported by manufacturing establishments, total [2]	103	176	823	2,540	6,214	284	259	133	88	1,617
Salaried officers of corporations [2]	16	12	38	43	238	19	12	4	6	47
Manufacturing:										
Salaried employees [2]	15	14	60	208	581	34	49	15	13	296
Wage earners (average for the year) [3]	56	112	465	1,683	4,623	203	158	94	60	938
Distribution	16	38	254	565	757	20	36	20	6	331
Construction				10	9	3	2		3	4
Other			6	31	6	5	2			1
Salaries and wages, total [2]	$157,820	$210,856	$945,531	$3,591,017	$8,279,734	$300,940	$401,947	$159,399	$112,073	$2,461,982
Salaried officers [2]	53,357	57,638	167,824	442,954	1,388,311	72,184	173,415	58,538	21,400	339,284
Manufacturing:										
Salaries [2]	30,210	21,435	98,672	478,253	1,043,396	38,709	53,705	13,680	15,230	417,399
Wages	54,041	80,446	336,515	1,716,373	4,231,589	161,291	117,208	60,607	62,976	987,019
Distribution	20,212	51,337	337,375	897,328	1,597,307	17,599	52,508	26,574	11,317	713,250
Construction				11,608	11,981	4,710	1,806		1,150	3,867
Other			5,145	44,501	7,150	6,447	3,305			1,163
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	260,154	319,913	1,733,956	12,164,894	21,878,060	900,329	750,294	795,331	118,165	6,657,559
Materials, supplies, and containers	253,752	314,651	1,709,264	12,028,783	21,595,417	891,802	727,041	790,835	112,742	6,608,697
Fuel	3,109	2,698	9,072	54,239	42,475	4,707	2,525	2,240	1,642	35,231
Purchased electric energy	3,293	2,564	10,486	52,682	98,397	3,820	2,278	2,256	3,781	13,425
Contract work			5,134	29,190	141,771		18,450			206
Value of products	606,550	746,588	5,103,925	35,633,151	51,964,567	1,569,356	1,707,244	1,180,146	325,906	16,390,858
Value added by manufacture [4]	346,396	426,675	3,369,969	23,468,257	30,086,507	669,027	956,950	384,815	207,741	9,733,299

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Arkansas, 1 establishment; Colorado, 1; Florida, 2; Kentucky, 2; Maryland, 3; Michigan, 6; Mississippi, 2; Nebraska, 2; North Carolina, 2; Ohio, 17; Oklahoma, 3; Oregon, 2; Rhode Island, 1; Utah, 2; Virginia, 4; Washington, 4.

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

	1939	1937
Perfumes, Cosmetics, and Other Toilet Preparations industry, all products, total value	$147,465,585	$132,336,481
Perfumes, cosmetics, and other toilet preparations made in this industry	123,402,393	[1] 107,452,879
Miscellaneous products not specified	1,393,264	[1] 24,883,602
Other products (not classified in this industry)	[2] 22,669,928	
Perfumes, cosmetics, and other toilet preparations, total value	157,391,851	[1] 140,547,930
Perfumes, cosmetics, and other toilet preparations made in this industry	123,402,393	[1] 107,452,879
Perfumes, cosmetics, and other toilet preparations made as secondary products in other industries	33,989,458	33,095,051

[1] Revised.
[2] Includes value of drugs and medicines, soap, cleaning and polishing preparations, insecticides, and industrial and household chemical compounds.

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	Aggregate	
Total value	$123,402,393	$33,989,458	$157,391,851	[1] $140,547,930
Shaving cream containing no soap [2]	3,206,987	979,975	4,186,962	1,854,219
Perfumes	7,835,954	789,836	8,625,790	8,480,274
Toilet waters	[3]	[3]	7,739,446	4,115,019
Creams other than shaving cream	17,314,812	2,074,660	19,389,472	17,597,261
Rouges:				
Lipsticks and lip rouges	[3]	[3]	6,086,050	4,417,957
Other rouges	2,218,785	38,138	2,256,923	2,519,650
Dentifrices	16,594,107	13,746,873	30,340,980	[1] 33,082,751
Deodorants for human use	3,488,562	2,142,431	5,630,993	3,502,726
Depilatories	[3]	[3]	428,345	407,771
Shampoos:				
Containing soap	3,540,230	1,037,977	4,578,207	3,556,419
Containing no soap	244,618	948,184	1,192,802	1,982,305
Hair dyes	1,645,741	67,816	1,713,557	1,900,533
Hair tonics	3,492,914	1,444,555	4,937,469	5,035,521
Hair dressings	6,304,714	609,876	6,914,590	6,301,622
Face lotions [4]	5,621,915	2,014,195	7,636,110	7,831,471
Face powders	14,016,390	1,381,883	15,398,273	11,286,997
Talcum powders	4,730,179	2,596,460	7,326,639	6,041,117
Other toilet powders	[3]	[3]	3,424,098	3,112,244
Bath salts	991,554	185,653	1,177,207	951,809
Manicure preparations	4,521,381	130,211	4,651,592	5,160,127
Other toilet preparations	12,557,377	1,198,969	13,756,346	11,410,137

[1] Revised.
[2] Shaving cream with soap base is classified as a product of the "Soap and glycerin" industry. The total production of shaving cream, including that containing soap, in 1939 and 1937 was valued at $10,343,505 and $9,629,485, respectively.
[3] Not shown to avoid disclosing data reported by individual establishments.
[4] Includes data for considerable amount of hand lotions.

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

	Value
Perfumes, total	$8,625,790
California	70,238
Illinois	215,990
Indiana	10,169
Louisiana	17,574
Massachusetts	57,978
Michigan	11,823
Missouri	118,727
New Jersey	511,798
New York	6,685,608
Pennsylvania	23,911
Tennessee	171,323
Texas	5,519
Conn., and R. I.	135,596
Ala., Fla., Ga., Iowa, Ky., Md., Minn., Nebr., Ohio, Oreg., Utah, Wash., Wis	589,536
Toilet waters, total	7,739,446
California	43,822
Illinois	328,203
Indiana	1,398
Louisiana	4,699
Maryland	22,527
Massachusetts	58,598
Missouri	233,034
New Jersey	1,689,378
New York	5,087,050
Ohio	18,546
Pennsylvania	50,421
Tennessee	45,163
Ala., Fla., Ga., N. C.	17,763
Iowa, Minn., Nebr., Wis	80,714
Colo., Conn., Mich., Okla., Oreg., Tex., Utah, Wash	58,130
Creams, other than shaving cream, total	19,389,472
California	806,433
Connecticut	1,777,423
Georgia	180,671
Illinois	2,836,404
Indiana	53,824
Iowa	242,952
Louisiana	8,172
Michigan	107,259
Minnesota	193,768
Missouri	1,770,543
New Jersey	2,563,095
New York	4,898,082
Pennsylvania	435,593
Tennessee	459,669
Ala., Colo., Md., Mass., Nebr., N. C., Ohio, Okla., Oreg., Tex., Utah, Va., Wash., Wis	3,055,584
Rouges: Lipsticks and lip rouges, total	6,086,050
Illinois	387,784
New Jersey	1,314,169
New York	3,395,499
Tennessee	4,507
Ind., Mich., Ohio	18,307
Iowa, Minn., Mo., Nebr., Wis	271,359
Calif., Conn., Ga., Ky., La., Pa., Wash	694,425
Other rouges, total	2,256,923
Illinois	273,425
New York	890,243
Tennessee	5,702
Ind., Mich., Ohio	11,703
Calif., Ga., Iowa, La., Mass., Minn., Mo., N. J., Pa., R. I., Tex., Wash., Wis	1,075,850
Dentifrices, total	30,340,980
Indiana	48,569
Missouri	967,345
New Jersey	17,512,212
New York	2,338,589
Pennsylvania	76,444
Conn., Mass	3,037,772
Ill., Mich., Ohio, Wis	5,707,355
Iowa, Minn., Nebr	156,807
Calif., Ga., La., Md., Miss., Tenn., Tex., Utah, Va	495,887
Deodorants for human use, total	5,630,993
Missouri	158,996
New Jersey	3,994,030
Deodorants for human use—Con.	
New York	$925,123
Ohio	19,986
Pennsylvania	42,537
Tennessee	59,907
Conn., Mass., N. H., R. I.	86,633
Ill., Ind., Mich., Wis	250,699
Md., Va	11,762
Ala., Calif., Ga., Iowa, La., Minn., Tex., Utah, Wash	81,320
Depilatories, total	428,345
New Jersey	258,120
N. Y., Ohio, Pa	97,936
Calif., Ga., Ill., La., Nev., Utah, Wis	72,289
Shampoos containing soap, total	4,578,207
California	77,818
Illinois	702,022
Indiana	94,198
Louisiana	3,700
Massachusetts	158,264
Michigan	35,058
Missouri	154,652
New Jersey	1,130,309
New York	897,672
Ohio	74,517
Pennsylvania	45,618
Tennessee	19,535
Wisconsin	3,400
Ark., Okla., Tex	8,045
Ala., Colo., Conn., Ga., Iowa, Kans., Ky., Minn., Miss., Nebr., Nev., Utah, Va., Wash	1,173,399
Hair dyes, total	1,713,557
New York	863,884
Tennessee	42,993
Ill., Mich	54,282
Ala., Calif., Fla., Ga., Ind., Ky., Mass., Minn., Mo., Nebr., N. J., Pa., Tex., Wash	752,398
Hair tonics, total	4,937,469
California	64,831
Connecticut	83,586
Illinois	134,204
Louisiana	2,975
Massachusetts	93,871
Michigan	23,313
New Jersey	1,482,840
New York	1,947,958
Ohio	38,432
Pennsylvania	36,431
Tennessee	70,970
Texas	117,518
Ala., Ga	7,797
Ind., Iowa, Mo	718,671
N. C., Va., W. Va	45,107
Ark., Colo., Kans., Md., Minn., Nebr., Okla., Utah, Wash., Wis	68,965
Hair dressings, total	6,914,590
California	377,814
Georgia	370,566
Illinois	389,087
Indiana	58,499
Michigan	50,871
Minnesota	71,711
Missouri	369,719
New Jersey	2,381,451
New York	1,353,755
Ohio	60,412
Pennsylvania	170,565
Tennessee	337,138
Texas	167,678
Virginia	80,909
Wisconsin	100,116
Ala., Fla., Miss	97,645
Conn., Mass	75,428
Colo., Iowa, Kans., La., Nebr., N. C., Okla., Oreg., Utah, Wash	401,226
Face lotions, total [1]	7,636,110
California	341,881
Connecticut	599,570
Georgia	23,909
Illinois	667,512
Indiana	62,563
Michigan	60,184
Face lotions—Continued.	
Minnesota	$166,402
Missouri	826,934
New Jersey	1,385,154
New York	1,492,188
Pennsylvania	121,205
Tennessee	53,114
Texas	69,660
Ala., Colo., Fla., Iowa, Kans., Ky., La., Md., Mass., Nebr., N. C., Ohio, Okla., Oreg., Utah, Va., Wash., W. Va., Wis	1,765,834
Face powders, total	15,398,273
Georgia	14,539
Indiana	34,333
Michigan	22,990
Missouri	521,437
New Jersey	1,259,671
New York	7,819,877
Pennsylvania	80,599
Tennessee	227,135
Texas	5,094
Conn., Mass	415,330
Iowa, Minn	266,854
Ala., Calif., Colo., Fla., Ill., La., Miss., Nebr., Ohio, Okla., Oreg., Utah, Va., Wash., Wis	4,730,414
Talcum powders, total	7,326,639
California	42,566
Connecticut	210,166
Georgia	16,284
Illinois	137,376
Indiana	1,919
Maryland	15,808
Michigan	8,813
Missouri	246,449
New Jersey	2,818,853
New York	3,069,495
Pennsylvania	7,892
Tennessee	150,324
Ala., Iowa, Kans., La., Mass., Minn., Miss., Nebr., N. C., Ohio, Okla., Oreg., R. I., Tex., Utah, Va., W. Va., Wis	600,694
Other toilet powders, total	3,424,098
Missouri	182,021
New York	1,165,454
Conn., Mass., N. J., Ohio, Pa	1,633,681
Calif., Ill., Ind., La., Mich., Minn., Tenn., Tex., Utah., Va., Wash	442,942
Bath salts, total	1,177,207
California	5,392
Illinois	213,275
Indiana	2,378
Missouri	32,857
New Jersey	107,823
New York	744,333
Ohio	9,271
Pennsylvania	5,964
Conn., Ga., La., Mass., Mich., Minn., Nebr., Tenn., Va	55,914
Manicure preparations, total	4,651,592
California	40,365
Missouri	134,301
New York	2,878,565
Ohio	1,358
Pennsylvania	53,852
Conn., Mass	21,725
Ga., Ill., Ind., Iowa, Mich., Minn., Nebr., N. J., Tenn., Tex., Wash., Wis	1,521,426
Other toilet preparations, total	13,756,346
California	885,293
Connecticut	266,215
Georgia	20,150
Illinois	653,375
Indiana	66,949
Michigan	31,261
Minnesota	179,944
Missouri	278,449
New Jersey	2,496,577
New York	5,782,587
Pennsylvania	145,760
Tennessee	50,340
Ala., Iowa, Kans., Ky., Md., Mass., Miss., Nebr., N. C., Ohio, Okla., Tex., Utah, Va., Wash., Wis	2,899,446

[1] Includes data for considerable amount of hand lotions.

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	10,363	9,743	9,868	10,103	9,858	9,716	9,771	10,001	10,411	11,043	11,392	11,578	10,866
1937	10,158	9,277	9,929	10,018	10,007	10,056	9,808	9,786	10,092	10,726	11,076	11,220	9,899
Alabama	14	14	14	14	14	14	14	14	14	14	14	14	13
California	352	334	353	368	346	336	346	336	345	401	375	348	338
Connecticut	346	348	334	327	324	324	319	347	363	360	357	363	383
Georgia	98	101	94	93	95	97	101	95	99	98	97	102	103
Illinois	870	877	854	833	840	827	779	827	836	1,049	999	881	844
Indiana	93	89	98	102	101	97	99	93	92	89	92	83	78
Iowa	167	187	198	206	145	142	127	141	150	195	161	181	170
Louisiana	31	32	31	31	31	31	31	31	31	31	32	30	32
Maryland	11	10	10	10	10	12	12	10	10	10	11	12	11
Massachusetts	56	59	59	56	58	57	58	58	52	55	53	55	55
Michigan	68	65	65	69	81	70	70	57	62	62	72	74	75
Minnesota	112	60	63	82	95	98	101	108	107	126	145	176	178
Missouri	465	480	470	472	449	451	445	450	453	457	496	483	477
New Jersey	1,683	1,529	1,626	1,692	1,635	1,566	1,570	1,636	1,691	1,722	1,846	1,862	1,816
New York	4,623	4,279	4,264	4,404	4,306	4,296	4,383	4,479	4,718	4,913	5,142	5,424	4,863
Ohio	701	670	687	707	712	681	682	661	679	723	742	745	728
Oklahoma	8	8	8	8	8	8	8	8	8	8	8	8	8
Pennsylvania	203	181	188	185	188	191	192	196	238	229	227	210	206
Tennessee	158	136	166	155	140	150	155	158	155	168	187	178	149
Texas	94	84	91	93	91	89	90	92	98	102	95	108	97
Virginia	38	33	35	38	37	37	37	37	37	39	41	39	41
Washington	32	43	37	29	30	26	28	28	27	24	28	35	45
Wisconsin	60	58	56	56	44	45	49	53	54	73	82	73	76

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	539
Reporting expenditures for plant and equipment	223
Value of products:	
Total for the industry	$147,465,585
Reporting expenditures for plant and equipment	119,350,414
Expenditures for plant and equipment:	
Total for the industry	1,525,623
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	401,974
Expenditures for new machinery and operating equipment	710,454
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	412,345
Expenditures unclassified	850

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

	1939	1937
Inventories:		
Beginning of year, total	$19,365,732	$15,695,249
Finished products	6,920,785	5,780,132
Materials, supplies, etc.	12,444,947	9,915,117
End of year, total	20,967,281	18,700,466
Finished products	7,006,014	7,013,021
Materials, supplies, etc.	13,961,267	11,687,445
Value of products for the industry, total	147,465,585	132,336,481
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	146,998,131	121,285,158
Value for establishments not reporting inventories	467,454	11,051,323

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	539
Number of establishments reporting power equipment	537
Prime movers, aggregate:	
Number	17
Horsepower	2,890
Prime movers, driving generators, total—	
Number	12
Horsepower	2,420
Steam engines—	
Number	8
Horsepower	1,760
Steam turbines—	
Number	4
Horsepower	660
Prime movers, driving generators, ordinarily idle (included above), horsepower	135
Prime movers, steam turbines, not driving generators:	
Number	5
Horsepower	470
Generators, kilowatt rating, total	1,491
Generators, driven by—	
Steam engines, kilowatt rating	1,011
Steam turbines, kilowatt rating	480
Generators, ordinarily idle (included above), kilowatt rating	85
Electric motors, total:	
Number	7,919
Horsepower	11,960
Driven by purchased energy—	
Number	7,255
Horsepower	10,532
Driven by energy generated in establishments reporting—	
Number	664
Horsepower	1,428
Electric energy (kilowatt-hours):	
Generated in plant	1,397,714
Sold	802,304
Purchased	8,534,060

[1] Comparable data for 1929 not available.

INSECTICIDES, FUNGICIDES, AND RELATED INDUSTRIAL AND HOUSEHOLD CHEMICAL COMPOUNDS

[A preliminary report for this industry was issued December 23, 1940]

Description of the industry.—This industry as classified for Manufactures Census purposes includes establishments primarily engaged in the manufacture of insecticides, fungicides, deodorants, and disinfectants for household and industrial use; also other industrial compounds such as boiler, insulating, metal and oil treating and waterproofing compounds. Prior to 1935 this industry was part of the former industry designated as "Patent or proprietary medicines and compounds." The industry now covers the manufacture of foundry supplies, which, prior to 1937, was a separate classification. The 1937 figures cover the former industry "Foundry supplies."

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	774	5,017	$5,393,213	$44,375,652	$93,443,777	$49,068,125	3,004
1937 [4]	624	4,788	5,251,421	38,842,636	79,793,946	40,951,310	(5)

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] No comparable figures for earlier years.
[5] 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	Connecticut	Dist. of Columbia	Florida	Georgia	Illinois	Indiana
Number of establishments [1]	774	6	73	5	14	4	15	11	69	10
Proprietors and firm members	298	2	44		5		3	6	26	2
Persons reported by manufacturing establishments, total [2]	9,423	46	656	39	255	18	191	146	1,262	69
Salaried officers of corporations [2]	743	4	52	6	19	3	14	12	60	8
Manufacturing:										
Salaried employees [2]	1,360	6	99	2	57		19	10	173	5
Wage earners (average for the year) [3]	5,017	24	364	11	64	5	109	71	582	47
Distribution	2,208	12	132	20	113	10	49	53	440	9
Construction	55		9		1					
Other	40				1				7	
Salaries and wages, total [2]	$15,556,764	$63,577	$1,175,130	$49,226	$497,702	$31,470	$227,760	$199,684	$2,366,342	$142,739
Salaried officers [2]	3,478,631	24,700	237,973	11,803	128,055	16,685	39,850	53,727	516,396	43,834
Manufacturing:										
Salaries [2]	2,610,078	10,489	187,138	1,700	88,785	2,045	38,969	9,017	331,188	11,820
Wages	5,393,213	19,601	437,974	7,518	69,079	4,637	72,248	38,433	681,128	46,521
Distribution	3,930,054	8,787	289,543	28,205	210,398	8,028	76,693	98,507	830,963	40,555
Construction	102,387		22,484		1,325					
Other	42,401		18		60	75			6,667	
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	44,375,652	130,828	4,092,083	102,186	577,339	65,701	594,036	392,996	5,782,659	267,008
Materials, supplies, and containers	43,277,425	119,263	4,028,197	101,235	564,765	65,283	578,082	368,088	5,652,940	258,676
Fuel	511,498	2,641	27,738	416	5,186	188	3,664	2,706	55,876	3,443
Purchased electric energy	404,936	4,599	33,745	535	7,388	230	9,648	2,112	46,371	3,167
Contract work	181,793	4,325	2,403				2,642	20,000	27,472	1,782
Value of products	93,443,777	261,485	7,572,304	229,192	1,545,250	152,995	1,065,728	581,459	12,782,807	521,041
Value added by manufacture [4]	49,068,125	130,657	3,480,221	127,006	967,911	87,294	471,692	188,463	7,000,148	253,973

ITEM	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota	Missouri	Nebraska	New Jersey	New York
Number of establishments [1]	7	6	12	40	33	14	34	4	61	131
Proprietors and firm members	3	4	5	12	18	7	9	4	10	35
Persons reported by manufacturing establishments, total [2]	42	25	131	277	628	128	369	10	1,265	1,396
Salaried officers of corporations [2]	5	3		35	35	10	50		64	146
Manufacturing:										
Salaried employees [2]	4	1	12	33	82	22	51	2	240	215
Wage earners (average for the year) [3]	18	20	104	143	383	65	143	4	816	789
Distribution	15	1	15	66	106	31	122	4	126	241
Construction					20				14	
Other					2		3		5	5

See footnotes at end of table.

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

ITEM	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota	Missouri	Nebraska	New Jersey	New York
Salaries and wages, total [2]	$47,085	$30,537	$189,675	$377,299	$953,280	$218,390	$758,463	$6,598	$2,139,791	$2,335,329
Salaried officers [2]	14,400	5,865	32,803	106,215	139,254	52,236	235,068	----------	365,814	558,637
Manufacturing:										
Salaries [2]	5,486	2,430	31,545	51,851	165,418	39,059	115,306	1,411	487,977	471,333
Wages	13,250	20,762	108,249	121,334	447,027	75,017	148,327	2,985	1,021,908	803,182
Distribution	13,949	1,480	16,578	97,899	163,689	52,078	257,792	2,202	241,361	482,370
Construction	----------	----------	----------	----------	35,732	----------	----------	----------	16,437	12,939
Other	----------	----------	500	----------	2,160	----------	1,970	----------	6,294	6,868
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	60,409	78,300	1,068,585	754,527	3,277,683	785,092	1,063,775	21,842	8,887,020	6,780,611
Materials, supplies, and containers	59,459	74,478	1,054,461	737,587	3,207,165	771,677	1,040,544	21,444	8,673,109	6,548,292
Fuel	179	1,703	6,388	8,040	37,770	3,729	11,325	217	129,841	74,751
Purchased electric energy	771	2,119	7,736	8,900	29,954	9,686	11,906	181	61,911	67,262
Contract work	----------	----------	----------	----------	2,794	----------	----------	----------	22,159	90,306
Value of products	152,371	132,095	2,042,537	1,517,257	7,895,522	1,245,048	2,915,404	36,577	15,769,202	15,386,021
Value added by manufacture [4]	91,962	53,795	973,952	762,730	4,617,839	459,956	1,851,629	14,735	6,882,182	8,605,410

ITEM	North Carolina	Ohio	Oklahoma	Pennsylvania	Tennessee	Texas	Virginia	Washington	Wisconsin	Other States [5]
Number of establishments [1]	6	56	9	55	17	19	6	14	17	26
Proprietors and firm members	5	12	3	26	17	9	1	5	6	19
Persons reported by manufacturing establishments, total [2]	66	639	70	728	310	111	31	49	118	348
Salaried officers of corporations [2]	5	64	4	46	21	14	7	3	25	28
Manufacturing:										
Salaried employees [2]	4	79	17	118	11	12	5	11	28	42
Wage earners (average for the year) [3]	24	315	25	379	168	38	15	31	49	211
Distribution	33	179	21	179	108	46	2	4	16	55
Construction	----------	1	----------	4	----------	----------	----------	----------	----------	6
Other	----------	1	3	2	2	1	2	----------	----------	6
Salaries and wages, total [2]	$51,788	$1,037,515	$132,782	$1,207,643	$390,665	$178,816	$53,470	$82,859	$168,748	$442,401
Salaried officers [2]	19,286	284,813	9,890	265,680	62,497	55,578	27,888	5,507	50,798	113,379
Manufacturing:										
Salaries [2]	5,290	162,863	31,841	191,023	19,522	23,511	6,576	15,711	32,478	68,287
Wages	12,505	336,439	32,796	433,284	109,801	33,860	11,260	34,960	49,959	199,169
Distribution	14,707	251,102	55,633	307,507	197,845	64,730	3,300	26,381	35,513	52,259
Construction	----------	1,399	----------	5,971	----------	----------	----------	----------	----------	6,100
Other	----------	899	2,622	4,178	1,000	1,137	4,446	300	----------	3,207
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	111,748	3,809,109	178,065	2,561,877	864,895	447,364	98,553	179,740	373,449	968,112
Materials, supplies, and containers	109,905	3,756,414	173,822	2,476,612	841,983	441,026	92,794	175,127	363,110	921,887
Fuel	1,425	19,245	1,666	51,533	14,904	1,874	2,339	2,827	6,845	32,949
Purchased electric energy	418	32,109	2,577	33,584	4,323	4,464	834	1,636	3,494	13,276
Contract work	----------	1,341	----------	148	3,685	----------	2,586	150	----------	----------
Value of products	322,071	9,209,756	491,264	5,417,635	1,990,313	901,616	184,391	391,750	637,499	2,093,187
Value added by manufacture [4]	210,323	5,400,647	313,199	2,855,758	1,125,418	454,252	85,838	212,010	264,050	1,125,075

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Arizona, 1 establishment; Arkansas, 2; Delaware, 2; Iowa, 4; Kentucky, 4; New Hampshire, 3; Oregon, 2; Rhode Island, 2; South Carolina, 1; South Dakota, 1; Vermont, 3; West Virginia, 1.

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

	1939	1937
Insecticides, Fungicides, and Related Industrial and Household Chemical Compounds industry, all products, total value	$93,443,777	[1] $79,793,946
Insecticides, fungicides, and industrial and household chemical compounds made in the industry	76,477,353	[1] 68,364,786
Miscellaneous products not specified	3,144,460	[1] 11,429,160
Other products (not classified in this industry)	[2] 13,821,964	
Insecticides, fungicides, and industrial and household chemical compounds, aggregate value	113,756,688	[1] 106,063,305
Insecticides, fungicides, and industrial and household chemical compounds made in this industry	76,477,353	[1] 68,364,786
Insecticides, fungicides, and industrial and household chemical compounds made as secondary products in other industries, total	37,279,335	[1] 37,698,519
Made in the Drugs, Medicines, Toilet Preparations, Insecticides, and Related Products subgroup	7,829,752	[3]
Made in industries outside the Drugs, Medicines, Toilet Preparations, Insecticides, and Related Products subgroup	29,449,583	

[1] Revised.
[2] Includes value of cleaning and polishing preparations, drugs and medicines, soaps, cosmetics, flavoring extracts, sirups, etc.
[3] No data.

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 of the Drugs, Medicines, Toilet Preparations, Insecticides, and Related Products subgroup	Produced in other industries	Aggregate	
Total value	$76,477,353	$7,829,752	$29,449,583	$113,756,688	[1] $106,063,305
Disinfectants and insecticides, total value	$24,815,164	$6,626,464	$14,230,960	$45,672,588	[1] $43,394,019
Agricultural insecticides and fungicides, total value	$11,507,003	$789,201	$7,801,735	$20,097,939	$19,712,767
Calcium arsenate:					
Pounds	18,561,890		20,719,898	39,281,788	37,001,959
Value	$926,484		$985,412	$1,911,896	$1,879,253
Lead arsenate:					
Pounds	26,647,509		32,921,087	59,568,596	63,291,440
Value	$2,605,967		$2,815,804	$5,421,771	$5,540,885
Lime—sulfur solution:					
Gallons	5,791,023	[2]	3,700,045	9,491,068	10,864,924
Value	$600,943		$323,762	$924,705	$1,013,239
Paris green:					
Pounds	[3]		[3]	2,040,307	1,834,340
Value				$460,323	$336,152
Rotenone:					
Pounds	[3]	[3]	[3]	3,244,706	[4]
Value				$566,646	
Sulfur dust (including mixtures):					
Pounds	[3]	[3]		36,707,922	[5]
Value				$998,647	
Other agricultural insecticides and fungicides, including lime-sulfur, dry and nicotine sulfate, value	$5,616,877	[2]	$4,197,074	$9,813,951	[1] $10,943,238
Household insecticides and repellants, total value	$10,936,263	$2,940,310	$4,237,126	$18,113,699	[1] $17,366,900
Fly sprays:					
Pounds	31,049,417	7,633,252	13,788,068	52,470,737	45,338,893
Value	$5,174,164	$1,249,014	$1,413,980	$7,837,158	$7,339,231
Insect powder (pyrethrum):					
Pounds	2,634,001	1,128,351	205,279	3,967,631	7,100,682
Value	$764,108	$369,592	$89,073	$1,222,773	$2,021,751
Fluoride powders and mixtures:					
Pounds	823,946	314,874	123,690	1,262,510	1,072,800
Value	$277,312	$112,429	$32,139	$421,880	$423,032
Moth repellants:					
Pounds	11,943,293	1,469,627	484,062	13,896,982	[1] 13,558,842
Value	$1,542,965	$472,191	$136,929	$2,152,085	[1] $2,587,602
Other household insecticides and repellants not reported by kind, value	$3,177,714	$737,084	$2,565,005	$6,479,803	$4,995,284
Disinfectants, value	$2,371,898	$2,896,953	$2,192,099	$7,460,950	$6,314,352
Deodorants other than for human use, value	$735,626	$47,295	$489,642	$1,272,563	$1,037,173
Boiler compounds, value	$3,699,422	[2]	$163,758	$3,863,180	$4,318,720
Insulating compounds, value	$1,824,057		$131,360	$1,955,417	$1,982,952
Household tints and dyes, value	$2,703,777	[2]	$9,657	$2,713,434	$3,274,961
Household ammonia, value	[3]	[3]	[3]	$921,986	$869,740
Metal and oil treating compounds, value	[3]	[3]	[3]	$3,486,634	[1] $5,332,449
Waterproofing compounds, value	$1,594,807	[2]	$246,085	$1,840,892	$1,235,217
Water treating compounds, other than boiler treating compounds, value	$4,356,108	[2]	$489,841	$4,845,949	[4]
Other industrial and household chemical compounds, value [6]	$30,240,184	$1,108,422	$10,835,439	$42,184,045	[1] $44,618,074

[1] Revised.
[2] Included in figure for "Produced in other industries" column to avoid disclosing data reported by individual establishments.
[3] Not shown to avoid disclosing data reported by individual establishments.
[4] No data available.
[5] Included in figures for "Other agricultural insecticides," etc., to avoid disclosing data reported by individual establishments.
[6] Includes foundry supplies, automotive chemical compounds, buffing compounds, furnace cement, incense, soldering and welding compounds.

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

PRODUCT AND STATE	Quantity	Value
	Gallons	
Lime-sulfur solution, total	9,491,068	$924,705
California	1,689,153	178,547
Florida	1,265,814	122,367
Michigan	1,349,250	130,967
New Jersey	875,024	85,842
New York	710,921	77,454
Washington	882,500	87,077
Ga., N. C., Va.	550,691	56,799
Colo., Ill., Ind., Md., Mass., Mo., Ohio, Oreg., Pa.	2,167,715	185,652
	Pounds	
Rotenone, total	3,244,706	566,646
California	428,643	63,956
Maryland	685,752	138,181
Del., N. J., N. Y.	953,955	156,732
Ill., Minn., Wis.	926,184	177,144
Fla., Mass., Okla., Oreg., Pa., Tenn.	250,172	30,633
Sulfur dust, total	36,707,922	998,647
California	16,414,292	335,398
Florida	17,962,078	558,229
Ga., N. C., Tenn.	665,600	25,651
Conn., Del., Md., N. J., N. Y., Pa.	408,742	28,534
Ill., Iowa, Minn., Mo., Wis.	544,453	28,221
La., Oreg., Tex.	712,757	22,614

PRODUCT AND STATE	Quantity	Value
	Pounds	
Fly sprays, total	52,470,737	$7,837,158
Alabama	114,800	19,506
California	953,474	164,648
Connecticut	131,688	31,089
Florida	237,600	27,646
Georgia	513,980	88,338
Illinois	10,573,440	1,392,610
Indiana	351,038	63,088
Iowa	64,879	12,165
Louisiana	243,948	46,168
Massachusetts	164,868	29,662
Michigan	503,935	107,860
Minnesota	421,665	56,752
Missouri	922,012	172,481
Nebraska	294,605	30,344
New York	3,415,646	1,220,442
Ohio	4,606,925	601,925
Oregon	8,321	1,082
Pennsylvania	1,345,946	180,780
Tennessee	2,407,433	382,013
Texas	194,914	37,357
Wisconsin	52,233	11,638
Colo., Okla., Utah	72,868	9,198
Del., D. C., Md., N. J., N. C., S. C., Va., W. Va.	23,704,389	3,018,118
Ark., Kans., Ky., Miss., S. Dak., Vt., Wash.	1,170,130	132,248

PRODUCT AND STATE	Quantity	Value
	Pounds	
Insect powders, total	3,967,631	$1,222,773
California	277,648	70,981
Illinois	643,192	198,558
Massachusetts	15,682	5,438
Missouri	134,508	42,180
Ohio	57,145	25,980
Pennsylvania	191,126	40,054
Texas	15,000	5,980
Other States [1]	2,632,730	833,602
Fluoride powders, total	1,262,510	421,880
California	182,919	40,936
Georgia	5,725	4,745
Illinois	201,428	44,117
Indiana	16,682	12,614
New York	113,198	42,669
Ohio	29,349	19,332
Pennsylvania	53,817	9,329
Conn., Mass.	21,052	11,737
Other States [2]	638,340	236,401
Moth repellants, total	13,896,982	2,152,085
California	142,334	47,692
Illinois	971,965	319,800
Massachusetts	140,964	43,660
Missouri	232,361	45,374
New York	2,351,990	571,911
Ohio	613,434	126,552
Other States [3]	9,443,934	997,096

PRODUCT AND STATE	Value
Deodorants, total	$1,272,563
California	28,106
Georgia	68,522
Illinois	177,817
Louisiana	27,473
Massachusetts	41,233
Minnesota	4,580
Missouri	199,872
New Jersey	43,165
New York	198,572
Ohio	106,013
Pennsylvania	41,184
Ala., Fla.	23,292
Other States [4]	312,734
Disinfectants, total	7,460,950
California	165,841

PRODUCT AND STATE	Value
Disinfectants—Con.	
Georgia	$124,290
Illinois	451,074
Iowa	81,327
Kentucky	6,794
Louisiana	35,025
Maryland	73,810
Massachusetts	370,426
Minnesota	118,792
Missouri	323,542
Nebraska	44,505
New Jersey	3,391,054
New York	1,053,021
Ohio	278,314
Pennsylvania	269,827
Rhode Island	10,285
Tennessee	44,619
Texas	18,118
Wisconsin	56,559

PRODUCT AND STATE	Value
Disinfectants—Con.	
N. C., S. C., Va.	$49,809
Other States [5]	493,918
Boiler compounds, total	3,863,180
California	124,951
Massachusetts	89,729
Michigan	28,715
Minnesota	85,914
Missouri	211,967
New Jersey	158,942
New York	569,342
Ohio	224,634
Pennsylvania	290,657
Texas	30,397
Ark., Colo., Okla.	15,996
Other States [6]	2,031,936

PRODUCT AND STATE	Value
Household tints and dyes, total	$2,713,434
New York	1,188,257
Other States [7]	1,525,177
Waterproofing compounds, total	1,840,892
California	61,712
Illinois	94,439
Indiana	39,366
Massachusetts	78,798
New Jersey	259,741
New York	151,588
Pennsylvania	241,585
Mich., Ohio	841,409
Other States [8]	72,254

[1] Alabama, Colorado, Connecticut, Delaware, Florida, Georgia, Indiana, Iowa, Louisiana, Maryland, Michigan, Minnesota, Nebraska, New Jersey, New York, Oklahoma, Oregon, Tennessee, Virginia, Washington.
[2] Alabama, Colorado, Florida, Iowa, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Missouri, New Jersey, Oregon, Tennessee, Texas, West Virginia, Wisconsin.
[3] Alabama, Colorado, Connecticut, Delaware, Georgia, Indiana, Iowa, Louisiana, Maryland, Michigan, Minnesota, Nebraska, New Hampshire, New Jersey, Oregon, Pennsylvania, Tennessee, Texas, Virginia, Washington, West Virginia, Wisconsin.
[4] Colorado, Connecticut, Delaware, District of Columbia, Indiana, Iowa, Kansas, Maryland, Michigan, Nebraska, Nevada, Oregon, Tennessee, Texas, Washington, Wisconsin.
[5] Alabama, Colorado, Connecticut, Delaware, District of Columbia, Florida, Indiana, Kansas, Michigan, Oregon, South Dakota, Washington, West Virginia.
[6] Alabama, Florida, Georgia, Illinois, Indiana, Iowa, Louisiana, Maine, Montana, Nebraska, Oregon, South Carolina, Washington, West Virginia, Wisconsin.
[7] California, Illinois, Louisiana, Maine, Michigan, Missouri, New Jersey, Ohio, Pennsylvania, Vermont.
[8] Florida, Georgia, Iowa, Louisiana, Minnesota, Nebraska, Tennessee, Texas, Washington.

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	5,017	4,674	4,843	5,102	5,302	5,327	5,277	5,066	4,934	4,928	5,014	4,952	4,781
1937	4,788	4,507	4,705	5,018	5,245	5,216	5,089	4,879	4,675	4,609	4,643	4,506	4,362
Alabama	24	24	24	24	26	25	23	23	24	20	23	23	23
California	364	313	320	373	400	412	388	385	378	364	380	336	321
Colorado	11	7	7	7	12	13	15	20	16	9	9	8	8
Connecticut	64	62	64	63	61	60	65	69	64	65	67	66	66
District of Columbia	5	3	5	6	6	6	6	6	5	4	3	3	3
Florida	109	119	110	113	114	120	106	107	102	96	106	113	103
Georgia	71	64	78	88	84	82	105	58	58	48	57	54	71
Illinois	582	523	560	568	569	575	619	597	588	609	613	596	572
Indiana	47	45	47	46	44	39	43	41	48	49	57	57	53
Iowa	26	25	25	27	27	27	27	27	27	27	27	27	25
Kentucky	55	58	58	58	57	59	57	53	51	53	53	52	53
Louisiana	18	18	18	18	18	18	18	17	17	17	17	17	17
Maine	20	7	5	12	26	26	29	38	37	27	18	12	8
Maryland	104	102	109	114	113	114	110	114	103	111	86	88	81
Massachusetts	143	139	157	138	146	148	137	131	136	139	141	152	151
Michigan	383	383	387	394	397	397	377	357	364	374	386	391	391
Minnesota	65	59	56	56	56	57	82	83	83	77	57	57	53
Missouri	143	136	137	129	133	135	149	164	158	162	142	139	136
Nebraska	4	4	9	4	4	4	4	4	4	4	4	4	4
New Jersey	816	760	797	855	867	873	864	808	744	758	839	786	835
New York	789	752	770	820	860	870	833	784	779	793	777	776	658
North Carolina	24	23	28	28	28	23	23	23	22	21	20	23	23
Ohio	315	297	302	307	321	311	299	300	317	316	331	336	338
Oklahoma	25	27	27	28	28	30	26	25	23	22	21	21	24
Pennsylvania	379	361	376	406	405	409	386	355	356	363	367	396	368
Tennessee	168	144	152	151	202	205	205	202	165	139	151	155	146
Texas	38	27	30	33	36	38	38	39	41	40	40	44	46
Virginia	15	10	12	21	25	20	18	11	15	13	13	9	9
Washington	31	24	16	43	52	40	40	37	26	28	22	24	22
Wisconsin	49	46	45	46	45	51	52	53	50	51	50	50	47

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	774
Reporting expenditures for plant and equipment	339
Value of products:	
Total for the industry	$93,443,777
Reporting expenditures for plant and equipment	66,663,428
Expenditures for plant and equipment:	
Total for the industry	1,430,436
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	474,870
Expenditures for new machinery and operating equipment	827,048
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	120,721
Expenditures unclassified	7,797

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

	1939	1937
Inventories:		
Beginning of year, total	$16,223,043	$11,534,234
Finished products	6,962,897	5,753,514
Materials, supplies, etc.	9,260,146	5,780,720
End of year, total	17,788,990	12,970,722
Finished products	7,348,763	6,575,185
Materials, supplies, etc.	10,440,227	6,395,537
Value of products for the industry, total	93,443,777	79,793,946
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	92,824,389	76,280,658
Value for establishments not reporting inventories	619,388	3,513,288

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	774
Number of establishments reporting power equipment	771
Prime movers, aggregate:	
Number	76
Horsepower	3,094
Prime movers, steam engines, driving generators—	
Number	17
Horsepower	2,120
Prime movers, driving generators, ordinarily idle (included above), horsepower	90
Prime movers not driving generators, total—	
Number	59
Horsepower	1,874
Steam engines—	
Number	34
Horsepower	1,012
Diesel and semi-Diesel engines—	
Number	2
Horsepower	175
Other internal-combustion engines [2]—	
Number	21
Horsepower	537
Hydroturbines and water wheels—	
Number	2
Horsepower	150
Prime movers not driving generators, ordinarily idle (included above), horsepower	5
Generators, driven by steam engines, kilowatt rating	1,395
Generators, ordinarily idle (included above), kilowatt rating	65
Electric motors, total:	
Number	6,150
Horsepower	30,316
Driven by purchased energy—	
Number	5,871
Horsepower	28,172
Driven by energy generated in establishments reporting—	
Number	279
Horsepower	2,144
Electric energy (kilowatt-hours):	
Generated in plant	1,808,151
Purchased	17,243,747

[1] Comparable data for 1929 not available.

[2] Gas, gasoline, etc.

SOAP AND GLYCERIN

[A preliminary report for this industry was issued October 29, 1940]

Description of the industry.—This industry as constituted for Manufactures Census purposes includes establishments primarily engaged in the manufacture of soap in any form and crude and refined glycerin. Manufacturers of cleansers, scouring powders, and washing compounds containing soap and those made in the soap factories are also classified in this industry. (Manufacturers of similar preparations containing no soap are classified in the Cleaning and Polishing Preparations, Blackings, and Dressings industry.) Since the publication of the 1933 statistics, several establishments, some of them important, have shifted their major production from soap to cosmetics or other products. As it is necessary to classify each establishment as a whole in one industry or another on the basis of its product or products of chief value, this has resulted in the reclassification of these establishments. This reclassification should be borne in mind in comparing the figures for earlier years with those for 1939, as given in table 1. The comparability of the figures in table 3 is not affected by the change.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	264	13,624	$18,800,527	$161,002,676	$302,634,474	$141,631,798	46,963
1937	232	14,008	19,074,574	185,169,789	301,291,547	116,121,758	[5]
1935	238	13,911	15,339,045	139,493,258	239,152,130	99,658,872	[6]
1933	235	14,304	14,140,241	93,507,390	200,127,929	106,620,539	[6]
1931	248	14,163	17,739,732	121,829,338	257,718,699	135,889,361	[5]
1929	282	14,363	18,994,656	180,352,984	310,191,530	129,838,546	28,780
1927	256	13,432	19,715,931	172,244,130	287,059,935	114,815,805	35,580
1925	272	15,406	18,526,104	184,873,537	278,273,107	93,399,570	33,141
1923	270	17,002	20,776,443	173,545,981	276,402,838	102,856,857	50,266
1921	283	16,558	18,864,713	150,355,643	240,194,619	89,838,976	[5]
1919	348	20,436	21,228,063	238,518,858	316,740,115	78,221,257	25,028
1914	371	14,172	8,087,937	88,866,786	127,942,441	39,075,655	30,091
1909	420	12,999	6,226,882	72,179,418	111,357,777	39,178,359	24,998
1904 [7]	436	11,044	4,762,676	43,625,608	68,274,700	24,649,092	18,888

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] Data not available.
[7] No comparable data available 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	California	Illinois	Michigan	Minnesota	New York	Pennsylvania	Texas	Washington	Wisconsin	Other States [1]
Number of establishments [2]	264	3	30	27	6	9	41	22	4	5	9	108
Proprietors and firm members	98	4	15	5	3	4	11	16	3	1	6	30
Persons reported by manufacturing establishments, total [3]	20,191	15	1,307	2,401	70	112	2,448	1,136	34	58	63	12,547
Salaried officers of corporations [3]	285	1	30	33	4	14	55	26	1	7	5	109
Manufacturing:												
Salaried employees [3]	3,345	4	199	400	6	13	336	95	5	8	9	2,270
Wage earners (average for the year) [4]	13,624	6	850	1,479	20	36	1,542	721	20	34	34	8,882
Distribution	2,521	4	220	359	40	49	350	294	8	9	15	1,173
Construction	386			116			163					107
Other	30		8	14			2					6
Salaries and wages, total [3]	$33,090,782	$20,069	$2,517,836	$4,118,696	$31,337	$222,267	$4,204,546	$1,581,050	$28,786	$96,753	$85,942	$20,133,500
Salaried officers [3]	1,731,812	5,400	124,007	200,546	6,460	74,368	332,681	256,789	1,000	20,411	12,533	697,617
Manufacturing:												
Salaries [3]	6,876,102	3,170	409,788	833,466	6,618	18,382	773,686	187,947	6,622	12,380	13,870	4,610,173
Wages	18,800,527	3,669	1,298,335	2,052,276	25,680	48,082	2,111,894	843,159	13,457	46,540	34,801	12,322,634
Distribution	4,844,957	7,830	682,300	781,318	42,579	81,435	609,760	293,155	7,707	17,422	24,738	2,296,713
Construction	809,071			235,620			372,890					200,561
Other	28,313		3,406	15,470			3,635					5,802
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	161,002,676	23,158	11,292,258	17,610,270	161,764	451,231	19,350,893	6,533,486	104,036	136,023	265,407	105,074,150
Materials, supplies, and containers	157,658,319	22,372	11,063,387	17,318,453	160,093	440,710	18,881,503	6,408,248	102,482	133,992	259,627	102,867,452
Fuel	2,607,300	303	109,528	227,315	1,025	6,451	419,438	96,868	1,292	1,715	3,495	1,739,870
Purchased electric energy	638,961	483	59,243	64,502	646	4,070	40,632	28,370	262	316	2,285	438,152
Contract work	98,096		60,100				9,320					28,676
Value of products	302,634,474	41,587	20,364,665	25,305,567	305,899	945,447	29,451,417	13,939,150	141,365	250,098	457,352	211,431,927
Value added by manufacture [5]	141,631,798	18,429	9,072,407	7,695,297	144,135	494,216	10,100,524	7,405,664	37,329	114,075	191,945	106,357,777

[1] Colorado, 2 establishments; Connecticut, 2; Georgia, 3; Indiana, 6; Iowa, 3; Kansas, 3; Louisiana, 1; Maryland, 2; Massachusetts, 24; Missouri, 10; Nebraska, 1; Nevada, 1; New Jersey, 19; Ohio, 23; Oregon, 2; Rhode Island, 3; Tennessee, 3.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Valued added by manufacture.

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

	1939	1937	1929
Soap and Glycerin industry, all products, total value	$302,634,474	$301,291,547	$310,191,530
Soap and glycerin products made in the industry	276,395,722	[1] 280,359,829	[1] 288,057,826
Miscellaneous products not specified	3,439,217		
Other products, not classified in the industry	[2] 22,799,535	[1] 20,931,718	[1] 22,133,704
Soap and glycerin, aggregate value	292,157,095	[1] 296,678,544	[1] 301,830,547
Soap and glycerin products made in the industry	276,395,722	[1] 280,359,829	[1] 288,057,826
Soap and glycerin products made as secondary products in the Drugs, Medicines, Toilet Preparations, Insecticides, and Related Products subgroup [3]	10,506,797	[1] 16,318,715	[1] 13,772,721
Soap and glycerin products made as secondary products in other industries	5,254,576		

[1] Revised.
[2] Includes value of perfumes, cosmetics, and other toilet preparations, cleaning and polishing preparations, blackings and stains, insecticides, and other industrial and household chemical compounds, etc.
[3] The three industries, "Drugs and medicines (including drug grinding)," "Perfumes, cosmetics, and other toilet preparations," and "Insecticides, fungicides, and related industrial and household chemical compounds" make up the Drugs, Medicines, Toilet Preparations, Insecticides, and Related Products subgroup.

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 value	$276,395,722	$15,761,373	$292,157,095	[1] $296,678,544	[1] $301,830,547
Bar soap:					
Toilet soap—					
Pounds	386,659,558	22,456,212	409,115,770	360,610,753	324,383,543
Value	$60,231,333	$5,977,880	$66,209,213	$62,805,065	$59,982,997
Laundry soap—					
White—					
Pounds	[2]	[2]	660,663,421	488,979,981	914,588,831
Value			$29,883,040	$28,192,491	$51,175,255
Yellow [3]—					
Pounds	577,900,473	884,652	578,785,125	633,441,319	550,593,948
Value	$27,625,519	$44,658	$27,670,177	$33,195,616	$40,774,488
Granulated, powdered, and sprayed soaps:					
Pounds	891,043,367	1,611,292	892,654,659	743,194,783	337,291,356
Value	$75,260,411	$171,112	$75,431,523	$68,408,836	$35,724,861
Soap chips and flakes:					
Packaged—					
Pounds	[2]	[2]	284,265,765	274,275,994	387,925,004
Value			$24,987,914	$28,207,372	$41,763,903
Bulk—					
Pounds	131,403,834	2,909,341	134,313,175	116,179,494	
Value	$8,814,843	$669,166	$9,484,009	$9,797,688	
Washing powder:					
Packaged—					
Pounds	131,534,264	222,108	131,756,372	146,924,947	
Value	$5,294,208	$9,997	$5,304,205	$6,582,021	
Bulk—					
Pounds	109,632,135	733,380	110,365,515	85,486,294	
Value	$3,144,954	$33,769	$3,178,723	$2,521,640	
Cleansers and scouring powders containing soap [4]:					505,529,239
Packaged—					$23,387,172
Pounds	167,441,482		167,441,482	157,039,241	
Value	$6,948,037		$6,948,037	$6,254,838	
Bulk—					
Pounds	18,708,354		18,708,354	21,307,024	
Value	$796,336		$796,336	$917,323	
Shaving soaps, total value	$5,697,926	$2,853,371	$8,551,297	$9,720,538	
Stick, powder, and cake:					
Pounds	5,209,815	394,999	5,604,814	5,075,521	11,093,665
Value	$1,834,722	$560,032	$2,394,754	$1,954,272	$10,793,908
Cream (soap base) [5]:					
Pounds	4,652,622	3,288,455	7,941,077	9,555,764	
Value	$3,863,204	$2,293,339	$6,156,543	$7,775,266	
Liquid soap, not including packaged shampoos:					
Pounds	25,289,475	[6] 17,492,080	42,781,555	29,869,959	35,263,195
Value	$2,031,181	[6] $1,597,711	$3,628,892	$2,435,206	$3,497,384
Soap stock or soap base, made for sale as such [7]:					
Pounds	4,350,109		4,350,109	4,521,988	4,106,339
Value	$285,673		$285,673	$346,947	$292,323
Bar cleansers containing soap [7]:					
Pounds	4,953,566		4,953,566	5,446,732	
Value	$303,202		$303,202	$410,544	
Hand pastes or mechanics' pastes:					
Pounds	16,869,598	1,044,247	17,913,845	16,930,579	
Value	$854,894	$79,710	$934,604	$1,062,295	
Textile soap, including potash and foots soaps for textile manufacture:					
Pounds	57,338,114	5,150,477	62,488,591	60,707,640	$19,364,584
Value	$4,296,343	$658,967	$4,955,310	$5,357,793	
Potash soap, other than textile and liquid:					
Pounds	28,126,040	[8] 2,860,944	30,986,984	25,071,652	
Value	$1,770,074	[8] $210,018	$1,980,092	$2,156,599	
Soap not reported according to classification above, value	$1,138,965	$2,068,907	$3,207,872	$3,421,584	
Glycerin:					
Crude [9]—					
Pounds (basis 80 percent)	18,849,074	10,417,393	29,266,467	24,180,767	28,789,974
Value	$1,489,693	$833,394	$2,323,087	$3,592,537	$2,358,031
Dynamite grade—					
Pounds	[2]	[2]	64,293,972	43,586,391	
Value			$6,595,283	$7,822,600	
Chemically pure—					113,140,075
Pounds	[2]	[2]	90,381,848	78,813,063	$12,715,641
Value			$9,498,606	$13,459,921	

[1] Revised.
[2] Not shown to avoid disclosing data reported by individual establishments.
[3] Rosin reported as used in the manufacture of soap amounted to 75,401,813 pounds in 1939 and 75,450,320 pounds in 1937.
[4] Produced by establishments classified in the "Soap and glycerin" industry only. Cleansers and scouring powders containing no soap are classified in the "Cleaning and polishing preparations, blackings, and dressings" industry.
[5] Shaving cream containing no soap is classified in the "Perfumes, cosmetics, and other toilet preparations" industry.
[6] Includes 6,615,657 pounds valued at $846,458 made in the "Cleaning and polishing preparations, blackings, and dressings" industry.
[7] Produced by establishments classified in the "Soap and glycerin" industry only.
[8] Includes 527,461 pounds valued at $45,096 made in the "Cleaning and polishing preparations, blackings, and dressings" industry.
[9] The total production of crude glycerin as reported to the Division of Cotton and Oils, Bureau of the Census, for 1939 was 184,476,395 pounds. Most of this was further refined and sold or used as glycerin, dynamite grade, or glycerin, chemically pure.

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

PRODUCT AND STATE	Quantity	Value
Bar soaps—toilet soaps, total	*Pounds* 409,115,770	$66,209,213
California	19,445,462	3,230,755
Connecticut	951,994	301,021
Illinois	41,507,176	4,321,810
Minnesota	286,250	39,362
New Jersey	79,655,187	13,744,012
New York	20,480,199	2,160,660
Ohio	53,100,155	7,534,107
Iowa, Mo., Nebr	10,251,164	1,022,296
Fla., Ga., Tenn	827,391	116,191
Oreg., Wash	475,584	35,921
Other States [1]	182,135,208	33,703,078
Soap chips and flakes—bulk, total	134,313,175	9,484,009
California	11,027,070	746,419
Illinois	32,693,399	2,188,973
Massachusetts	12,421,889	816,933
Minnesota	1,450,566	107,299
New Jersey	27,958,733	1,727,638
New York	19,030,948	1,737,301
Ohio	10,567,981	758,257
Wisconsin	310,138	65,378
Nev., Oreg., Wash	1,282,419	87,406
Colo., Iowa, Kans., Mo., Nebr	8,690,775	591,008
Ga., Ind., Md., Mich., Pa., R. I., Tex	8,879,257	657,397
Washing powder—bulk, total	110,365,515	3,178,723
California	20,336,891	768,896
Illinois	19,471,131	520,266
New York	27,473,829	540,148
Ohio	4,114,727	124,126
Mass., N. J., Pa	27,482,561	696,788
Ind., Iowa, Kans., Minn., Mo., Wis	8,303,707	357,892
Ala., Ga	819,835	57,313
Washing powder—Continued.	*Pounds*	
Nev., Oreg., Wash	414,422	$16,472
Colo., Md., Mich., Nebr., N. C., R. I., Tex	1,948,412	96,822
Cleansers and scouring powders containing soap, total	186,149,836	7,744,373
Packaged, total	167,441,482	6,948,037
Illinois	66,733,126	2,220,133
N. J., N. Y	39,383,951	1,285,623
Other States [2]	61,324,405	3,442,281
Bulk, total	18,708,354	796,336
California	1,454,777	82,989
Illinois	3,568,842	147,753
Minnesota	216,959	7,026
New York	3,304,631	134,491
Other States [3]	10,163,145	424,077
Liquid soaps, not including packaged shampoos, total	42,781,555	3,628,892
California	2,829,710	198,646
Illinois	5,570,637	459,436
Massachusetts	3,186,467	251,578
Minnesota	357,286	24,613
Missouri	4,165,261	457,888
New Jersey	4,176,024	425,668
New York	8,434,084	506,239
Ohio	5,137,292	331,411
Oregon	75,966	5,848
Pennsylvania	1,976,748	131,118
Tennessee	198,625	20,723
Texas	457,383	46,647
Ind., Mich., Wis	1,225,699	309,681
Iowa, Kans., Nebr	920,648	107,484
Other States [4]	4,069,725	351,912
Textile soaps, including potash and foots soaps, for textile manufacture, total	*Pounds* 62,488,591	$4,955,310
Illinois	1,442,436	92,818
Massachusetts	16,664,523	1,110,339
New Jersey	14,836,545	1,039,142
New York	13,154,152	1,017,540
Pennsylvania	6,243,735	720,930
Conn., R. I	5,765,892	375,290
Other States [5]	4,381,308	599,251
Potash soaps, other than textile and liquid soaps, total	30,986,984	1,980,092
California	631,218	52,002
Illinois	6,465,755	350,176
Massachusetts	258,980	18,041
Minnesota	390,473	26,015
Missouri	127,650	13,652
New Jersey	3,165,659	129,232
New York	4,353,165	286,332
Ohio	10,227,851	689,587
Pennsylvania	2,956,602	193,579
Washington	142,936	11,629
Wisconsin	419,055	36,687
Other States [6]	1,847,640	173,160
Glycerin—crude, 80% basis, total	29,266,467	2,323,087
California	3,990,142	301,622
Illinois	2,298,133	189,494
New Jersey	4,716,123	398,246
New York	1,019,330	75,075
Other States [7]	17,242,739	1,358,650

[1] Colorado, Indiana, Kansas, Maryland, Massachusetts, Michigan, Nevada, Pennsylvania, Texas, Wisconsin.
[2] California, Indiana, Kansas, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Ohio, Pennsylvania, Washington, Wisconsin.
[3] Indiana, Kansas, Maryland, Massachusetts, Michigan, Missouri, New Jersey, Nevada, Ohio, Pennsylvania, Rhode Island, Tennessee, Texas, Washington, Wisconsin.
[4] Alabama, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Louisiana, Maryland, Nevada, North Carolina, Oklahoma, Washington.
[5] California, Georgia, Indiana, Iowa, Kansas, Minnesota, Ohio, Oregon, South Carolina, Tennessee, Texas, Wisconsin.
[6] Colorado, Delaware, Georgia, Indiana, Louisiana, Maryland, Michigan, Oregon, Texas.
[7] Connecticut, Indiana, Iowa, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Ohio, Oregon, Pennsylvania, Tennessee, Washington, Wisconsin.

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	13,624	13,027	13,206	13,350	12,921	12,761	12,987	13,551	14,041	14,507	14,818	14,419	13,897
1937	14,008	13,851	14,815	15,075	14,720	13,994	13,891	13,613	13,792	13,964	13,751	13,557	13,072
1929	14,363	14,172	14,413	14,414	14,208	14,005	13,825	13,919	14,280	14,925	15,191	14,783	14,220
Alabama	6	6	6	6	6	6	6	6	6	6	6	6	6
California	850	822	821	840	832	825	844	853	851	875	905	895	836
Georgia	22	21	21	22	21	21	22	22	24	23	24	23	24
Illinois	1,479	1,481	1,473	1,484	1,433	1,385	1,379	1,389	1,463	1,586	1,669	1,512	1,499
Indiana	1,255	1,174	1,225	1,224	1,164	1,174	1,225	1,332	1,331	1,395	1,331	1,306	1,182
Iowa	146	146	142	142	141	145	137	141	148	152	157	150	149
Kansas	837	778	799	794	805	765	797	838	894	916	918	903	842
Massachusetts	1,471	1,380	1,390	1,398	1,409	1,432	1,427	1,563	1,584	1,564	1,485	1,536	1,483
Michigan	20	17	20	22	21	19	21	19	17	20	23	18	17
Minnesota	36	37	36	36	35	34	33	32	34	37	40	40	41
Missouri	302	261	264	330	285	286	322	303	292	303	354	308	310
New Jersey	2,480	2,332	2,393	2,354	2,133	2,020	2,131	2,464	2,724	2,851	2,945	2,737	2,671
New York	1,542	1,467	1,499	1,499	1,506	1,497	1,536	1,538	1,592	1,619	1,622	1,623	1,506
Ohio	1,691	1,639	1,656	1,638	1,680	1,681	1,649	1,621	1,628	1,705	1,771	1,811	1,815
Pennsylvania	721	755	749	741	707	702	697	670	700	691	742	749	750
Rhode Island	24	24	24	24	24	24	24	24	24	24	24	24	24
Tennessee	20	20	19	20	20	20	20	20	20	20	19	20	20
Texas	20	19	18	19	18	20	20	20	20	20	20	20	21
Washington	34	34	34	33	33	33	33	33	34	35	35	35	35
Wisconsin	34	32	32	33	34	34	34	34	33	34	35	35	35

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	264
Reporting expenditures for plant and equipment	144
Value of products:	
Total for the industry	$302,634,474
Reporting expenditures for plant and equipment	286,698,953
Expenditures for plant and equipment:	
Total for the industry	8,687,877
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	1,836,687
Expenditures for new machinery and operating equipment	5,977,039
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	862,321
Expenditures unclassified	11,830

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

	1939	1937
Inventories:		
Beginning of year, total	$64,187,304	$66,104,132
Finished products	20,966,545	21,774,912
Materials, supplies, etc.	43,220,759	44,329,220
End of year, total	67,048,255	83,871,888
Finished products	20,963,774	29,367,569
Materials, supplies, etc.	46,084,481	54,504,319
Value of products for the industry, total	302,634,474	301,291,547
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	302,291,805	299,544,646
Value for establishments not reporting inventories	342,669	1,746,901

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

	1939	1929
Number of establishments	264	282
Number of establishments reporting power equipment	264	252
Prime movers, aggregate:		
Number	159	171
Horsepower	46,963	28,780
Prime movers, driving generators, total—		
Number	80	[1] 171
Horsepower	38,679	[1] 28,780
Steam engines—		
Number	47	[1] 136
Horsepower	7,184	[1] 19,057

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	30	[1] 33
Horsepower	31,223	[1] 9,603
Diesel and semi-Diesel engines—		
Number	1	[1] 1
Horsepower	235	[1] 25
Other internal-combustion engines [2]—		
Number	1	
Horsepower	7	
Hydroturbines and water wheels—		
Number	1	[1] 1
Horsepower	30	[1] 35
Prime movers, driving generators, ordinarily idle (included above), horsepower	5,320	
Prime movers not driving generators, total—		
Number	79	
Horsepower	8,284	
Steam engines—		
Number	38	[3]
Horsepower	4,812	
Steam turbines—		
Number	40	
Horsepower	3,387	
Internal-combustion engines, [2] other than Diesel and semi-Diesel—		
Number	1	
Horsepower	85	
Prime movers not driving generators, ordinarily idle (included above), horsepower	1,110	[3]
Generators, kilowatt rating, total	26,360	10,909
Generators, driven by—		
Steam engines, kilowatt rating	5,149	
Steam turbines, kilowatt rating	21,037	
Diesel and semi-Diesel engines, kilowatt rating	150	
Other internal-combustion engines, [2] kilowatt rating	4	[3]
Hydroturbines and water wheels, kilowatt rating	20	
Generators, ordinarily idle (included above), kilowatt rating	3,586	[4]
Electric motors, total:		
Number	14,699	8,487
Horsepower	96,019	61,883
Driven by purchased energy—		
Number	6,612	4,628
Horsepower	47,904	37,076
Driven by energy generated in establishments reporting—		
Number	8,087	3,859
Horsepower	48,115	24,807
Electric energy (kilowatt-hours):		
Generated in plant	60,965,331	[4]
Purchased	53,559,397	52,998,452

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

RAYON AND ALLIED PRODUCTS

[A preliminary report for this industry was issued September 11, 1940]

Description of the industry.—This industry consists of establishments primarily engaged in the manufacture of rayon yarn and allied products in fiber, yarn, sheet, or other forms. As the processes employed are chemical in character, the industry is assigned to the "Chemicals and Allied Products" group of industries.

Establishments engaged primarily in the further manufacture of products from rayon as a material are classified in industries of the "Textile-Mill Products and Other Fiber Manufactures" group.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1925 TO 1939

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	30	48,332	$60,029,523	$78,459,699	$247,065,556	$168,605,857	395,787
1937	33	55,098	65,291,053	80,615,893	254,697,216	174,081,323	[5]
1935	32	50,550	50,693,182	64,513,146	185,159,534	120,646,388	[6]
1933	34	44,306	38,612,632	44,031,316	156,931,519	112,900,203	[6]
1931	32	38,735	38,231,493	36,180,858	132,632,416	96,451,558	[5]
1929	29	39,106	44,697,129	33,334,753	149,546,107	116,211,354	132,965
1927	19	26,341	28,649,441	25,747,792	109,888,336	84,140,544	75,987
1925 [7]	14	19,128	22,975,605	18,477,965	88,060,962	69,582,997	38,121

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] Data not available.
[7] No comparable data for prior years.

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

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

ITEM	United States	Tennessee	Virginia	Other States [1]
Number of establishments [2]	30	4	5	21
Proprietors and firm members				
Persons reported by manufacturing establishments, total [3]	55,471	11,014	12,165	32,292
Salaried officers of corporations [3]	36	4	3	29
Manufacturing:				
Salaried employees [3]	5,230	1,267	1,186	2,777
Wage earners (average for the year) [4]	48,332	9,190	10,786	28,356
Distribution	207	23	39	145
Construction	1,380	344	95	941
Other	286	186	56	44
Salaries and wages, total [3]	$75,247,622	$15,179,069	$16,745,382	$43,323,171
Salaried officers [3]	604,051	59,117	35,125	509,809
Manufacturing:				
Salaries [3]	11,689,302	2,802,166	2,694,610	6,192,526
Wages	60,029,523	11,606,377	13,685,203	34,737,943
Distribution	668,489	46,906	85,040	536,543
Construction	1,874,860	387,175	181,154	1,306,531
Other	381,397	277,328	64,250	39,819
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	78,459,699	21,547,531	18,920,562	37,991,606
Materials, supplies, and containers	71,297,741	20,464,514	17,293,234	33,539,993
Fuel	6,014,751	1,061,492	1,557,747	3,395,512
Purchased electric energy	1,099,414	15,283	28,030	1,056,101
Contract work	47,793	6,242	41,551	
Value of products	247,065,556	59,724,728	59,672,183	127,668,645
Value added by manufacture [5]	168,605,857	38,177,197	40,751,621	89,677,039

[1] Connecticut, 1 establishment; Delaware, 1; Georgia, 1; Illinois, 2; Maryland, 1; Massachusetts, 2; New Jersey, 1; New York, 2; North Carolina, 1; Ohio, 2; Pennsylvania, 3; Rhode Island, 1; West Virginia, 2; Wisconsin, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1939, 1937, AND 1929

	1939	1937	1929
Rayon and allied products, total value	[1] $246,003,728	[1] $251,942,457	$149,546,107
Yarns:			
Total production, pounds	328,625,482	321,680,725	116,632,378
Total value	$182,348,411	$204,790,613	$140,846,595
By process—			
Acetate—			
Pounds	97,342,252	82,364,797	[2]
Value	$61,083,130	$55,533,198	
Viscose and cupra-ammonium—			
Pounds	231,283,230	239,315,928	
Value	$121,265,281	$149,257,415	
By denier—			
75 and finer (87 and less)—			
Pounds	48,054,193	23,457,375	[3] 12,813,845
Value	$36,584,752	$20,104,965	[3] $21,176,640
100 (88 to 112)—			
Pounds	59,421,036	58,599,718	
Value	$39,014,591	$44,996,312	
125 (113 to 137)—			
Pounds	7,370,739	14,663,835	[3] 85,528,539
Value	$4,449,801	$9,829,807	[3] $101,494,715
150 (138 to 162)—			
Pounds	165,015,724	179,485,233	
Value	$79,655,926	$106,456,356	
200 (163 to 249)—			
Pounds	9,826,002	10,971,466	[3] 18,289,994
Value	$4,754,400	$6,454,974	[3] $18,175,240
300 (250 to 374)—			
Pounds	29,998,164	26,826,626	
Value	$13,867,614	$13,295,450	
450 and coarser (375 and over)—			
Pounds	8,939,624	7,676,472	
Value	$4,021,327	$3,652,749	
Rayon staple fiber:			
Pounds	51,313,517	20,244,258	[4]
Value	$13,519,379	$6,177,471	[5]
Rayon waste (viscose and cupra-ammonium only):			
Pounds	12,599,852	11,185,338	[4]
Value	$1,465,382	$1,117,360	[5]
Allied products, value	[6] $48,670,556	$39,857,013	$8,699,512

[1] This figure includes the value of rayon and allied products made in the "Rayon and Allied Products" industry, together with the value of rayon and allied products made in other industries, but does not include the value of incidental products other than rayon and allied products made in the "Rayon and Allied Products" industry.
[2] No data by process.
[3] Because of the different break-down of yarn by sizes obtained in 1939 and 1937, the 1929 figures are not exactly comparable. The grouping of yarns by sizes in 1929 was as follows: Finer than 125 denier, 125 to 150 denier, and heavier than 150 denier.
[4] No data.
[5] Included in value for "Allied products."
[6] Includes value of transparent sheets, sausage casings, cellulose caps and bands, sponges, and bottle seals.

TABLE 4.—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY: 1939 AND 1937

	1939	1937
Cotton linters (pounds)	106,366,059	94,256,085
Wood pulp (tons)	195,074	170,492

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	48,332	48,689	49,319	49,058	48,609	47,512	46,843	47,920	41,622	49,565	49,951	50,275	50,621
1937	55,098	53,496	53,647	54,661	54,314	54,701	55,599	56,806	58,127	58,846	57,486	53,614	49,882
1929	39,106	35,600	35,827	36,043	36,576	34,970	36,280	38,754	40,592	42,188	43,584	44,808	44,055
Tennessee	9,190	9,003	9,094	9,048	8,884	8,927	9,077	9,241	9,431	9,311	9,357	9,448	9,402
Virginia	10,786	10,676	10,867	10,928	10,841	10,786	10,052	10,482	10,683	10,736	11,090	11,133	11,160

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	30
Reporting expenditures for plant and equipment	30
Value of products:	
Total for the industry	$247,065,556
Reporting expenditures for plant and equipment	247,065,556
Expenditures for plant and equipment:	
Total for the industry	18,544,984
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	2,479,092
Expenditures for new machinery and operating equipment	15,987,947
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	77,945

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

	1939	1937
Inventories:		
Beginning of year, total	$33,468,397	$20,719,020
Finished products	17,121,923	6,306,118
Materials, supplies, etc.	16,346,474	14,412,902
End of year, total	21,536,126	44,550,955
Finished products	4,249,973	27,485,752
Materials, supplies, etc.	17,286,153	17,065,203
Value of products for the industry, total	247,065,556	254,697,216
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	247,065,556	254,697,216
Value for establishments not reporting inventories	----------	----------

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

	1939	1929
Number of establishments	30	29
Number of establishments reporting power equipment	30	29
Prime movers, aggregate—		
Number	364	167
Horsepower	395,787	132,965
Prime movers, driving generators, total—		
Number	103	[1] 167
Horsepower	360,804	[1] 132,965
Steam engines—		
Number	----------	[1] 77
Horsepower	----------	[1] 8,736

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

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators—Continued.		
Steam turbines—		
Number	100	[1] 88
Horsepower	355,189	[1] 124,209
Diesel and semi-Diesel engines—		
Number	----------	[1] 2
Horsepower	----------	[1] 20
Other internal-combustion engines [2]—		
Number	2	
Horsepower	1,115	
Hydroturbines and water wheels—		
Number	1	----------
Horsepower	4,500	----------
Prime movers, driving generators, ordinarily idle (included above), horsepower	32,605	----------
Prime movers not driving generators, total—		
Number	261	
Horsepower	34,983	
Steam engines—		
Number	69	
Horsepower	12,608	
Steam turbines—		
Number	189	
Horsepower	22,165	[3]
Diesel and semi-Diesel engines—		
Number	----------	
Horsepower	----------	
Other internal-combustion engines [2]—		
Number	3	
Horsepower	210	
Prime movers not driving generators, ordinarily idle (included above), horsepower	1,349	
Generators, kilowatt rating, total	257,018	78,907
Generators, driven by—		
Steam turbines, kilowatt rating	253,418	
Other internal-combustion engines,[2] kilowatt rating	600	[3]
Hydroturbines and water wheels, kilowatt rating	3,000	
Generators, ordinarily idle (included above), kilowatt rating	21,000	4
Electric motors, total:		
Number	70,517	21,043
Horsepower	369,264	151,348
Driven by purchased energy—		
Number	12,333	7,890
Horsepower	60,565	62,879
Driven by energy generated in establishments reporting—		
Number	58,184	13,153
Horsepower	308,699	88,469
Electric energy (kilowatt-hours):		
Generated in plant	1,031,504,701	[4]
Sold	4,493,635	[3]
Purchased	211,918,743	152,364,940

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

HARDWOOD DISTILLATION AND CHARCOAL MANUFACTURE

[A preliminary report for this industry was issued November 23, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in hardwood distillation and the manufacture of charcoal. The principal products are methanol, acetate of lime and its derivatives, charcoal, and tar. This industry includes two classes of establishments (1) those engaged in hardwood distillation; (2) those engaged in charcoal manufacture by the use of kilns or of pits.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	43	1,770	$1,530,675	$3,928,214	$6,843,172	$2,914,958	4,845
1937	39	2,108	1,863,930	5,164,290	8,983,273	3,818,983	[5]
1935	42	1,918	1,452,250	4,351,977	7,410,126	3,058,149	[5]
1933	38	1,366	825,581	2,637,731	4,884,344	2,246,613	[5]
1931	49	1,615	1,763,300	4,077,241	6,892,551	2,815,310	[5]
1929	66	2,897	3,504,482	11,027,063	19,751,805	8,724,742	[6]
1927	69	3,002	3,358,820	11,040,232	17,830,494	6,790,262	6,798
1925	87	3,025	3,391,084	12,293,324	17,548,315	5,254,991	8,137
1923	96	3,034	3,415,914	14,525,112	24,661,189	10,136,077	[6]
1921 [7]	93	1,790	1,665,801	6,052,585	8,697,508	2,644,923	[5]

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] Data not available.
[7] No comparable figures for earlier years.

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

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

ITEM	United States	Michigan	New York	Pennsylvania	Tennessee	Other States [1]
Number of establishments [2]	43	5	6	16	3	13
Proprietors and firm members	17	.....	5	1	.....	11
Persons reported by manufacturing establishments, total [3]	2,091	580	145	513	648	204
Salaried officers of corporations [3]	34	2	.....	24	3	5
Manufacturing:						
Salaried employees [3]	211	55	14	37	84	21
Wage earners (average for the year) [4]	1,770	496	131	438	530	174
Distribution	19	5	.....	1	11	2
Construction	55	22	.....	13	20	.....
Other	2	.....	.....	.....	.....	2
Salaries and wages, total [3]	$2,090,418	$671,775	$90,654	$421,786	$725,703	$180,500
Salaried officers [3]	91,566	5,118	.....	50,241	22,900	13,307
Manufacturing:						
Salaries [3]	361,292	91,173	17,273	52,167	165,372	35,307
Wages	1,530,675	543,961	73,029	302,572	490,227	120,886
Distribution	52,550	14,318	.....	614	28,237	9,381
Construction	52,364	17,205	.....	16,192	18,967	.....
Other	1,971	.....	352	.....	.....	1,619
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	3,928,214	1,313,028	234,108	929,517	1,118,009	333,552
Materials, supplies, and containers	3,151,638	1,117,886	153,598	676,342	892,138	311,674
Fuel	705,683	171,728	78,958	236,072	205,613	13,312
Purchased electric energy	65,533	23,414	1,552	12,063	20,258	8,246
Contract work	5,360	.....	.....	5,040	.....	320

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

ITEM	United States	Michigan	New York	Pennsylvania	Tennessee	Other States [1]
Value of products	$6,843,172	$2,223,107	$336,573	$1,542,734	$2,09,4188	$646,570
Value added by manufacture [5]	2,914,958	910,079	102,465	613,217	976,179	313,018

[1] Arkansas, 1; California, 3; Illinois, 2; Massachusetts, 1; Missouri, 2; Montana, 1; New Jersey, 1; Oklahoma, 1; Washington, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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
"Hardwood Distillation and Charcoal Manufacture" industry, total value	$6,843,172	$8,983,273	$19,751,805
Hardwood distillation products and charcoal made in the industry	5,792,837	[1] 8,057,957	[1] 17,399,892
Miscellaneous products not specified	227,724		
Receipts for contract and commission work	41,606	[1] 925,316	[1] 2,351,913
Other products (not classified in this industry)	[2] 781,005		
Hardwood distillation products and charcoal manufactured, total value	6,973,588	[1] 9,690,030	[1] 18,406,330
Hardwood distillation products and charcoal made in this industry	5,792,837	[1] 8,057,957	[1] 17,399,892
Hardwood distillation products and charcoal made as secondary products in other industries	1,180,751	[1] 1,632,073	[1] 1,006,438

[1] Revised.
[2] Includes ethyl acetate, activated carbon, sodium acetate, etc.

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

PRODUCT	1939	1937	1929
Hardwood distillation products and charcoal, total value	$6,973,588	[1] $9,690,030	[1] $18,406,330
Methanol (wood alcohol):			
Crude, total production, gallons	4,883,978	6,009,586	8,355,189
Made and consumed in same establishments, gallons [2]	3,864,711	4,839,526	3,254,112
Made for sale—			
Gallons [3]	1,019,267	1,170,060	5,101,077
Value	$178,174	$184,640	$1,794,392
Refined—			
Gallons [3]	2,958,644	3,967,561	6,676,321
Value	$796,803	$1,132,920	$3,907,111
Acetate of lime (calcium acetate):			
Tons [4]	11,279	[1] 22,517	58,163
Value	$311,350	[1] $726,655	$4,695,449
Acetic acid (natural, dilute, and glacial):			
Pounds [5]	48,688,277	49,204,347	
Value	$2,298,442	$2,902,108	
Methyl acetone:			([6])
Pounds	1,753,510	4,611,607	
Value	$73,481	$180,745	
Charcoal:			
Made for sale [7]—			
Total bushels	24,910,005	27,461,211	45,355,001
Total value	$3,114,321	$3,824,145	$5,472,606
Hardwood distillation—			
Bushels	21,884,172	24,553,129	40,828,944
Value	$2,735,380	$3,454,814	$4,922,591
Softwood distillation—			
Bushels	2,470,102	2,276,871	3,656,051
Value	$255,674	$244,720	$386,743
Kiln and pit—			
Bushels	555,731	631,211	870,006
Value	$123,267	$124,611	$163,272
Other wood derivatives, value	[8] $201,017	[1] $738,817	[1] [6] $2,536,772

[1] Revised.
[2] Strength 82 percent for 1939 and 1937. Not reported for 1929. In addition, in 1939, 34,146,669 gallons of synthetic methanol valued at $9,319,752 were produced for sale in the "Chemicals not elsewhere classified" industry. Such production for 1937 amounted to 31,606,320 gallons valued at $8,619,238.
[3] Strength 100 percent for 1939 and 1937. Not reported for 1929.
[4] Strength 80 percent for 1939 and 1937. Not reported for 1929.
[5] Strength 100 percent; production of synthetic acetic acid is included in the "Chemicals not elsewhere classified" industry.
[6] Value of "Acetic acid" and of "Methyl acetone" included in that for "Other wood derivatives" to avoid disclosing figures reported by individual establishments.
[7] Includes data for charcoal screenings; production for sale for 1939 amounted to 720,313 bushels valued at $38,709; for 1937, 389,507 bushels valued at $31,462.
[8] Includes, in order of value: Tar oils, pitch, tar, pyroligneous acid, and other derivatives.

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

	Quantity	Value
Methanol (crude), strength 82 percent, for sale, total	*Gallons* 1,019,267	$178,174
Pennsylvania	743,624	115,978
Mich., N. Y., Va., Wis.	275,643	62,196
Methanol (refined), strength 100 percent, for sale, total	2,958,644	796,803
Michigan	938,702	270,203
New York	222,787	50,247
Arkansas, Pennsylvania, Tennessee	1,797,155	476,353
Acetate of lime (calcium acetate), strength 80 percent, for sale, total	*Tons* 11,279	311,350
New York	2,916	86,317
Mich., Mo., N. J., Pa., Tenn., Wis.	8,363	225,033
Acetic acid (natural, dilute, glacial), strength 100 percent, for sale, total	*Pounds* 48,688,277	2,298,442
Pennsylvania	6,714,777	299,861
Tennessee	13,142,757	566,106
Indiana, Michigan, Ohio	13,744,076	638,698
Ark., Mass., N. J.	15,086,667	793,777
Charcoal (hardwood charcoal screenings), for sale, total	*Bushels* 21,884,172	2,735,380
Michigan	5,298,692	524,583
New York	1,403,546	181,541
Pennsylvania	5,499,279	660,133
Ark., Calif., Mo., N. J., Tenn., Wis.	9,682,655	1,369,123
Charcoal (kiln and pit), for sale, total	555,731	123,267
California	142,246	42,371
Ill., Mont., Okla., Wash.	413,485	80,896

TABLE 6.—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY: 1939

	Quantity cords (128 cu. ft.)
Hardwood: [1]	
Cordwood	463,022
Mill waste	22,114

[1] Does not include quantity of walnut shells, etc., used in the manufacture of charcoal by the kiln or pit method.

TABLE 7.—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	1,770	1,762	1,709	1,718	1,740	1,662	1,648	1,691	1,728	1,784	1,867	1,969	1,957
1937	2,108	2,099	2,195	2,185	2,254	2,256	2,129	2,146	2,166	2,096	1,905	1,859	2,003
1929	2,897	2,874	2,858	2,910	2,829	2,759	2,881	2,823	2,821	2,866	2,940	3,000	3,142
Michigan	496	408	427	401	447	464	494	533	538	543	537	576	585
New York	131	167	158	167	157	110	100	94	92	100	111	159	160
Pennsylvania	438	520	477	472	446	399	346	348	378	428	483	477	478
Tennessee	530	478	489	510	525	523	545	547	557	548	556	551	537

TABLE 8.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	43
Reporting expenditures for plant and equipment	25
Value of products:	
Total for the industry	$6,843,172
Reporting expenditures for plant and equipment	5,454,772
Expenditures for plant and equipment:	
Total for the industry	174,019
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	22,549
Expenditures for new machinery and operating equipment	142,138
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	7,843
Expenditures unclassified	1,489

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

	1939	1937
Inventories:		
Beginning of year, total	$2,183,256	$2,040,136
Finished products	848,843	817,620
Materials, supplies, etc.	1,334,413	1,222,516
End of year, total	2,033,697	2,580,378
Finished products	671,060	1,233,700
Materials, supplies, etc.	1,362,637	1,346,678
Value of products for the industry, total	6,843,172	8,983,273
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	6,838,072	8,961,215
Value for establishments not reporting inventories	5,100	22,058

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	43
Number of establishments reporting power equipment	43
Prime movers, aggregate—	
Number	37
Horsepower	4,845
Prime movers, driving generators, total—	
Number	19
Horsepower	3,433

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

	1939
Prime movers—Continued.	
Prime movers, driving generators—Continued.	
Steam engines—	
Number	12
Horsepower	1,424
Steam turbines—	
Number	4
Horsepower	1,759
Internal-combustion engines,[2] other than Diesel and semi-Diesel—	
Number	3
Horsepower	250
Prime movers, driving generators, ordinarily idle (included above), horsepower	325
Prime movers not driving generators, total—	
Number	18
Horsepower	1,412
Steam engines—	
Number	16
Horsepower	1,287
Steam turbines—	
Number	1
Horsepower	25
Internal-combustion engines,[2] other than Diesel and semi-Diesel—	
Number	1
Horsepower	100
Generators, kilowatt rating, total	2,513
Generators, driven by—	
Steam engines, kilowatt rating	1,188
Steam turbines, kilowatt rating	1,180
Internal-combustion engines,[2] other than Diesel and semi-Diesel, kilowatt rating	145
Generators, ordinarily idle (included above), kilowatt rating	265
Electric motors, total:	
Number	1,889
Horsepower	16,429
Driven by purchased energy—	
Number	245
Horsepower	2,064
Driven by energy generated in establishments reporting—	
Number	1,644
Horsepower	14,365
Electric energy (kilowatt-hours):	
Generated in plant	11,143,805
Sold	95,600
Purchased	3,844,878

[1] Comparable data for 1929 not available.
[2] Gas, gasoline, etc.

WOOD NAVAL STORES

[A preliminary report for this industry was issued November 23, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of turpentine, rosin, and other products by distilling softwood. Two distinct processes are employed, namely, destructive distillation and the steam process.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	25	2,353	$1,866,991	$6,524,299	$14,114,193	$7,589,894	23,153
1937	21	2,359	2,160,479	6,163,279	17,161,711	10,998,432	[5]
1935	18	1,890	1,364,167	3,571,482	8,560,791	4,989,309	[6]
1933	16	1,365	956,363	2,435,093	6,151,378	3,716,285	[6]
1931	14	1,039	981,663	2,396,808	4,547,606	2,150,798	[6]
1929	25	1,752	1,788,758	3,764,048	9,841,867	6,077,819	[6]
1927	19	1,535	1,380,333	4,382,343	9,799,993	5,417,650	6,707
1925	19	1,192	913,820	3,530,731	7,735,117	4,204,386	5,402
1923	27	1,089	908,934	2,743,838	5,034,234	2,290,396	[6]
1921 [7]	15	340	247,702	675,202	980,044	304,842	[6]

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] Data not available.
[7] No comparable data for years prior to 1921.

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

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

ITEM	United States	Florida	Mississippi	Other States [1]
Number of establishments [2]	25	7	7	11
Proprietors and firm members	6	----	6	----
Persons reported by manufacturing establishments, total [3]	2,924	647	1,154	1,124
Salaried officers of corporations [3]	34	9	13	12
Manufacturing:				
Salaried employees [3]	316	68	132	116
Wage earners (average for the year) [4]	2,353	510	934	910
Distribution	26	5	13	8
Construction	192	55	59	78
Other	3	----	3	----
Salaries and wages, total [3]	$2,886,900	$679,866	$1,016,150	$1,190,884
Salaried officers [3]	136,604	29,360	58,794	48,450
Manufacturing:				
Salaries [3]	635,089	124,537	265,961	244,591
Wages	1,866,991	476,214	600,935	789,842
Distribution	42,240	10,467	24,226	7,547
Construction	204,356	39,288	64,614	100,454
Other	1,620	----	1,620	----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	6,524,299	1,570,066	2,439,398	2,514,835
Materials, supplies, and containers	6,163,995	1,331,955	2,393,982	2,438,058
Fuel	242,348	167,536	13,147	61,665
Purchased electric energy	117,956	70,575	32,269	15,112
Contract work	----	----	----	----
Value of products	14,114,193	3,337,557	5,035,281	5,741,355
Value added by manufacture [5]	7,589,894	1,767,491	2,595,883	3,226,520

[1] Alabama, 3 establishments; Georgia, 3; Louisiana, 3; North Carolina, 2.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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
Wood Naval Stores industries, total value	$14,114,193	$17,161,711	$9,841,867
Wood naval stores made in the industry	13,269,627	[1] 16,804,312	[1] 9,449,467
Miscellaneous products not specified	140,011	357,399	392,400
Other products (not classified in this industry)	[2] 704,555		
Wood naval stores manufacture, aggregate value	13,418,663	[1] 17,193,648	[1] 9,548,491
Wood naval stores made in this industry	13,269,627	[1] 16,804,312	[1] 9,449,467
Wood naval stores made as secondary products in other industries	149,036	389,336	99,024

[1] Revised.
[2] Includes softwood charcoal, sizes, and other industrial chemical compounds, etc.

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

PRODUCT	1939	1937	1929
Total value	$13,418,663	[1] $17,193,648	[1] $9,548,491
Turpentine, wood [2]:			
Gallons	8,249,370	8,723,503	4,610,253
Value	$1,774,065	$2,240,716	$1,714,139
Pine oil:			
Gallons	5,198,696	4,536,084	2,722,172
Value	$2,563,052	$2,395,364	$1,271,641
Rosin, wood [3]:			
Barrels (500 pounds)	854,817	799,629	478,555
Value	$7,013,366	$10,400,478	$5,443,214
Other wood derivatives, value [4]	[5] $2,068,180	[1] $2,148,090	[1] $1,119,497

[1] Revised.
[2] Includes production, by the wood sulphate process, of 1,316,312 gallons valued at $131,777 for 1939; such production for 1937 amounted to 2,396,043 gallons valued at $259,992. For production of gum turpentine, see report for the "Gum naval stores" industry.
[3] For production of gum rosin see report for the "Gum naval stores" industry.
[4] The charcoal from softwood distillation is not included in the figure for "Other wood derivatives." This production is as follows: For 1939, 2,470,102 bushels valued at $255,674; for 1937, 2,276,871 bushels valued at $244,720; for 1929, 3,656,051 bushels valued at $386,743.
[5] Includes, in order of value, other derivatives, tar, tar oils, pitch, and wood creosote.

TABLE 5.—PRODUCTION OF TURPENTINE (WOOD), BY STATES [1]: 1939

	Gallons	Value
Turpentine, wood, total	8,249,370	$1,774,065
Louisiana	1,028,412	267,802
Mississippi	3,286,968	674,444
Virginia	510,600	31,789
Other States [2]	3,423,390	800,030

[1] Other products of the "Wood naval stores" industry cannot be shown separately by States.
[2] Ala., Fla., Ga., Ill., N. C., S. C., Texas, Wis.

TABLE 6.—PRINCIPAL MATERIALS CONSUMED IN THE INDUSTRY: 1939

	Quantity
Softwood [1]:	
Cordwood	*Cords (128 cu. ft.)* 18,573
Stumps	*Tons (2,000 lbs.)* 1,034,952

[1] Reported by establishments whose value of products represent approximately 90 percent of the total value of products of the "Wood naval stores" industry.

TABLE 7.—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	2,353	2,248	2,148	2,123	2,088	2,151	2,324	2,410	2,502	2,519	2,588	2,572	2,568
1937	2,359	2,229	2,274	2,251	2,197	2,277	2,325	2,420	2,472	2,507	2,478	2,497	2,386
1929	1,752	1,665	1,686	1,703	1,695	1,736	1,770	1,765	1,754	1,761	1,848	1,848	1,787
Florida	510	471	478	481	491	484	502	520	537	518	540	547	552
Georgia	388	397	383	369	376	402	393	370	390	377	397	405	400
Louisiana	307	288	286	286	288	298	297	307	307	318	321	334	356
Mississippi	934	913	825	812	751	782	875	955	1,012	1,053	1,079	1,090	1,056

TABLE 8.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	25
Reporting expenditures for plant and equipment	21
Value of products:	
Total for the industry	$14,114,193
Reporting expenditures for plant and equipment	13,345,037
Expenditures for plant and equipment:	
Total for the industry	1,146,845
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	1,015,029
Expenditures for new machinery and operating equipment	26,041
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	3,563
Expenditures unclassified	102,212

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

	1939	1937
Inventories:		
Beginning of year, total	$2,946,890	$1,812,278
Finished products	1,871,871	1,114,039
Materials, supplies, etc	1,075,019	698,239
End of year, total	2,847,327	3,029,841
Finished products	1,801,937	1,976,901
Materials, supplies, etc	1,045,390	1,052,940
Value of products for the industry, total	14,114,193	17,161,711
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	13,388,590	17,161,711
Value for establishments not reporting inventories	725,603	----------

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	25
Number of establishments reporting power equipment	25
Prime movers, aggregate:	
Number	225
Horsepower	23,153

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

	1939
Prime movers—Continued.	
Prime movers, driving generators, total—	
Number	30
Horsepower	16,326
Steam engines—	
Number	12
Horsepower	1,705
Steam turbines—	
Number	18
Horsepower	14,621
Prime movers, driving generators, ordinarily idle (included above), horsepower	2,138
Prime movers not driving generators, total—	
Number	195
Horsepower	6,827
Steam engines—	
Number	184
Horsepower	6,312
Steam turbines—	
Number	10
Horsepower	490
Internal-combustion engines,[2] other than Diesel and semi-Diesel—	
Number	1
Horsepower	25
Prime movers not driving generators, ordinarily idle (included above), horsepower	1,267
Generators, kilowatt rating, total	11,978
Generators, driven by—	
Steam engines, kilowatt rating	935
Steam turbines, kilowatt rating	11,043
Generators, ordinarily idle (included above), kilowatt rating	1,462
Electric motors, total:	
Number	912
Horsepower	15,162
Driven by purchased energy—	
Number	227
Horsepower	3,776
Driven by energy generated in establishments reporting—	
Number	685
Horsepower	11,386
Electric energy (kilowatt-hours):	
Generated in plant	47,461,068
Sold	6,157,839
Purchased	11,435,552

[1] Comparable data for 1929 not available.
[2] Gas, gasoline, etc.

GUM NAVAL STORES (PROCESSING BUT NOT GATHERING OR WAREHOUSING)[1]

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

Description of the industry.—This industry, as constituted for census purposes, embraces establishments engaged primarily in the production of spirits of turpentine and rosin made by distillation of the resinous exudation of certain species of pine, principally longleaf and slash. The manufacture of turpentine and rosin by wood distillation is included in the Wood Naval Stores industry, except in table 4.

Crop year.—The producing season in the "Gum naval stores (processing but not gathering or warehousing)" industry begins in the spring when the sap begins to flow and, to make the task of reporting less difficult for the operators, the data were formerly collected for the crop years ended March 31. In order, however, to bring the statistics, and particularly the employment figures, into line with those for other industries, the canvasses for 1939 and for three prior biennial censuses were made to cover the calendar years. It is understood, however, that the statistics for the calendar year differ only slightly from those for the crop year.

Statistics for earlier years.—Statistics on number of employees, salaries, wages, and cost of materials for 1939 and 1937 are not comparable with those shown for 1935 and prior census years. For 1937, for the first time, employees in the woods and those at the still were called for separately for the purpose of obtaining a basis for separating the data relating to distilling or manufacturing from those relating to agricultural activities, such as care of turpentine forests and gathering and marketing gum. For 1939 and 1937 only the employees at the still were treated as engaged in manufacturing. The amounts paid for salaries and wages to employees in the woods engaged in the gathering of crude gum were included in the cost of materials. Data for woods employees are not available for 1939, but for 1937 they were reported as follows: Supervisory employees (woods riders, etc.), 1,066, salaries, $723,009; clerical and other nonsupervisory employees, 29, salaries, $18,795; wage earners, 30,880, wages, $8,583,362. The comparableness of the figures has also been effected by the extent of coverage (see Census Report for Turpentine and Rosin, 1937).

[1] Data compiled in cooperation with Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture (processing) [4]	Horsepower of prime movers
1939	755	[5] 971	[5] $333,833	[5] $13,395,945	$17,361,933	$3,965,988	----------
1937	993	[5] 1,506	[5] 350,035	[5] 22,669,680	29,025,461	6,355,781	([6])
1935	895	27,248	6,518,964	7,467,867	19,232,724	11,764,857	([7])
1933	843	26,285	5,501,487	6,282,258	16,426,766	10,144,508	([6])
1931	953	28,257	7,280,389	5,792,633	16,505,745	10,713,112	([6])
1929	1,183	40,157	15,036,175	10,293,954	36,281,632	25,987,678	1,975
1927	1,149	37,913	16,953,054	12,173,394	39,902,971	27,729,577	3,155
1925	1,007	29,413	15,190,076	11,887,395	42,364,413	30,477,018	3,133
1923	1,203	34,328	15,448,590	8,972,758	35,166,715	26,193,957	1,930
1921	1,062	27,422	9,512,177	6,199,179	23,300,845	17,101,666	([6])
1919	1,191	28,067	16,972,881	13,929,888	53,051,294	39,121,406	2,257
1914	1,394	34,817	8,582,970	5,535,561	20,990,191	15,454,630	2,478
1909	1,585	39,511	9,363,359	4,910,838	25,295,017	20,384,179	4,106
1904	1,287	33,382	8,382,700	3,774,637	23,937,024	20,162,387	1,131
1899	1,503	41,864	8,393,483	6,186,492	20,344,888	14,158,396	706

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

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

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

ITEM	United States	Alabama	Florida	Georgia	Mississippi	South Carolina	Other States [1]
Number of establishments [2]	755	68	189	438	24	32	4
Proprietors and firm members	836	72	162	542	23	30	7
Persons reported by manufacturing establishments, total [3]	1,892	163	548	1,056	55	61	9
Salaried officers of corporations [3]	71	5	34	23	4	5	----
Manufacturing:							
Salaried employees [3]	808	70	208	474	23	29	4
Wage earners (average for the year) [4]	971	87	278	547	27	27	5
Distribution	28	1	17	10	----	----	----
Construction	13	----	11	2	----	----	----
Other	1	----	----	----	1	----	----
Salaries and wages, total [3]	$856,138	$71,725	$296,293	$424,300	$30,440	$27,880	$5,500
Salaried officers [3]	129,077	10,800	56,902	43,805	7,970	9,600	----
Manufacturing:							
Salaries [3]	362,269	31,097	118,475	185,818	12,823	10,330	3,726
Wages	333,833	25,428	103,972	185,464	9,397	7,798	1,774
Distribution	28,003	4,400	14,846	8,757	----	----	----
Construction	2,706	----	2,098	456	----	152	----
Other	250	----	----	----	250	----	----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	13,395,945	886,315	3,876,319	7,939,306	333,898	248,491	111,616
Materials, supplies, and containers	13,189,788	879,549	3,820,251	7,800,869	332,571	245,089	111,459
Fuel	183,307	5,484	50,422	123,014	1,034	3,196	157
Purchased electric energy	11,023	416	1,769	8,482	193	163	----
Contract work	11,827	866	3,877	6,941	100	43	----
Value of products	17,361,933	1,238,532	4,922,154	10,207,219	469,063	379,117	145,848
Value added by manufacture (processing) [5]	3,965,988	352,217	1,045,835	2,267,913	135,165	130,626	34,232

[1] Louisiana, 2 establishments; North Carolina, 1; Texas, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] Value of products less cost of materials, supplies, containers, 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
"Gum Naval Stores (Processing But Not Gathering or Warehousing)" industry, all products, total value	$17,361,933	$29,025,461
Gum naval stores made in the industry	16,819,539	28,600,731
Other products	464,228	396,973
Receipts for distilling for others	78,166	27,757

TABLE 4.—PRODUCTION, BY QUANTITY AND VALUE: 1939 AND 1937–38

	1939	1937–38
From gum, total value	$16,819,539	$28,600,731
Turpentine, total barrels (50 gals.)	[1] 407,135	[2] 518,454
Quantity and value reported:		
Barrels [1]	400,535	515,092
Value (at the still) [1]	$4,083,877	$7,425,520
Quantity only reported, barrels	[1] 6,600	[2] 3,362
Rosin, total barrels (500 lbs. gross)	[1] 1,319,896	[2] [3] 1,709,157
Quantity and value reported:		
Barrels [1]	1,297,509	1,642,594
Value (at the still) [1]	$12,735,662	$21,175,211
Quantity only reported, barrels	[1] 22,387	[2] 66,563

TABLE 4.—PRODUCTION, BY QUANTITY AND VALUE: 1939 AND 1937–38—Continued

	1939	1937–38
From wood [4]:		
Turpentine, total barrels (50 gals.)	[5] 221,997	[2] 181,877
Quantity and value reported:		
Barrels [1]	164,987	174,470
Value (at the plant) [1]	$1,774,065	$2,249,716
Quantity only reported, barrels	[5] 57,010	[2] 7,407
Rosin, total barrels (500 lbs. gross)	[5] 976,176	[2] 826,538
Quantity and value reported:		
Barrels [1]	854,817	799,629
Value (at the plant) [1]	$7,013,366	$10,400,478
Quantity only reported, barrels	[5] 121,359	[2] 26,909

[1] Calendar year. Data compiled by the Bureau of the Census.
[2] Crop year ended March 31, 1938. Data compiled by the Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture.
[3] Exclusive of 26,271 barrels of reclaimed gum rosin.
[4] Comprises turpentine made for crop years by the following-specified processes: Steam distillation, 1939–40, 158,575 barrels; 1937–38, 136,292 barrels; sulphate wood, 1939–40, 56,631 barrels; 1937–38, 38,500 barrels; and destructive distillation, 1939–40, 6,791 barrels; 1937–38, 7,085 barrels. Comprises rosin produced by the following-specified processes: Steam distillation, 1939–40, 949,343 barrels; 1937–38, 803,538 barrels; and sulphate wood, 1939–40, 26,833 barrels; 1937–38, 23,000 barrels.
[5] Crop year ended March 31, 1940. Data compiled by the Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture.

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	971	589	620	804	1,010	1,057	1,111	1,154	1,149	1,150	1,132	981	897
1937	1,506	1,190	1,169	1,357	1,607	1,639	1,643	1,641	1,630	1,612	1,584	1,541	1,462
Alabama	87	59	60	69	94	99	102	103	102	98	97	80	78
Florida	278	220	227	240	275	284	294	312	310	318	310	279	264
Georgia	547	278	301	447	582	605	643	663	661	659	651	566	507
Mississippi	27	14	15	22	25	30	30	34	34	34	35	29	27
South Carolina	27	15	14	21	29	33	36	36	36	35	33	22	18

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	755
Reporting expenditures for plant and equipment	242
Value of products:	
Total for the industry	$17,361,933
Reporting expenditures for plant and equipment	8,094,533
Expenditures for plant and equipment:	
Total for the industry	378,214
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	139,849
Expenditures for new machinery and operating equipment	190,380
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	34,538
Expenditures unclassified	13,447

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

	1939	1937
Inventories:		
Beginning of year, total	$1,336,727	$923,270
Finished products	850,515	659,646
Materials, supplies, etc.	486,212	263,624
End of year, total	813,847	1,469,000
Finished products	473,883	1,031,396
Materials, supplies, etc.	339,964	437,604
Value of products for the industry, total	17,361,933	29,025,461
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	12,892,281	15,575,888
Value for establishments not reporting inventories	4,469,652	13,449,573

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

	1939	1929
Number of establishments	755	1,183
Number of establishments reporting power equipment	743	423
Prime movers, aggregate:		
Number		442
Horsepower		1,975
Prime movers, driving generators, total—		
Number		[1] 442
Horsepower		[1] 1,975
Steam engines—		
Number		[1] 211
Horsepower		[1] 1,238
Diesel and semi-Diesel engines—		
Number		[1] 231
Horsepower		[1] 737
Other internal-combustion engines [2]—		
Number		
Horsepower		
Electric motors, total:		
Number	31	11
Horsepower	151	20
Driven by purchased energy—		
Number	31	11
Horsepower	151	20
Electric energy (kilowatt-hours):		
Purchased	310,523	8,950

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.

FERTILIZERS

[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 commercial fertilizers and superphosphates or in the mixing of fertilizer materials.

Fourteen establishments producing fish scrap, cake, or meal as fertilizer materials formerly classified in this industry are now classified in the "Fish and other marine oils, cake, and meal" industry. The figures for 1937 were, therefore, revised to exclude data for such establishments, but there are no comparable figures for earlier years.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	764	18,744	$13,678,397	$128,629,745	$185,684,328	$57,054,583	15,263
1937 [4]	729	20,391	15,027,405	129,135,776	194,129,208	64,993,432	([5])

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] No comparable figures available for earlier years.
[5] 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	Arkansas	California	Connecticut	Delaware	Florida	Georgia	Illinois	Indiana
Number of establishments [1]	764	42	8	29	6	10	58	133	19	14
Proprietors and firm members	219	15	----	17	----	----	8	62	3	1
Persons reported by manufacturing establishments, total [2]	24,081	1,407	156	391	188	118	1,845	2,931	654	435
Salaried officers of corporations [3]	511	26	5	16	6	13	56	83	4	13
Manufacturing:										
Salaried employees [3]	2,155	112	19	47	19	19	163	277	53	48
Wage earners (average for the year) [3]	18,744	1,129	119	198	128	70	1,356	2,281	494	294
Distribution	2,386	123	13	128	34	16	245	253	102	77
Construction	217	15	----	2	1	----	17	24	----	2
Other	68	2	----	----	----	----	8	13	1	1
Salaries and wages, total [2]	$23,435,322	$823,252	$92,646	$489,352	$243,826	$92,992	$1,895,150	$2,083,431	$843,134	$550,180
Salaried officers [3]	1,791,894	61,676	3,990	48,867	37,838	26,750	215,133	233,548	20,000	84,619
Manufacturing:										
Salaries [3]	3,457,367	157,381	25,762	66,106	26,359	18,719	305,859	346,227	112,020	81,383
Wages	13,678,397	519,883	56,446	194,368	104,493	31,464	934,807	1,031,089	490,010	236,327
Distribution	4,191,260	77,552	6,448	161,499	73,272	15,019	412,407	453,308	220,287	143,577
Construction	224,845	3,745	----	3,817	1,864	1,040	20,110	11,059	317	3,368
Other	91,559	3,015	----	14,695	----	----	6,834	8,200	500	906
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	128,629,745	6,758,443	779,075	3,555,332	1,101,053	479,221	10,511,131	14,009,299	3,817,265	2,447,488
Materials, supplies, and containers	126,325,685	6,672,179	770,571	3,524,215	1,093,093	472,827	10,323,521	13,836,562	3,720,129	2,420,770
Fuel	589,173	6,675	1,171	10,765	977	505	48,041	11,462	30,757	3,112
Purchased electric energy	1,696,510	79,589	7,333	15,386	6,983	3,460	139,569	155,334	66,379	23,606
Contract work	18,377	----	----	4,966	----	2,429	----	5,941	----	----
Value of products	185,684,328	9,453,063	1,284,705	4,843,213	1,703,608	720,351	15,034,507	19,049,712	6,108,692	3,980,044
Value added by manufacture [4]	57,054,583	2,694,620	505,630	1,287,881	602,555	241,130	4,523,376	5,040,413	2,291,427	1,532,556

See footnotes at end of table.

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

ITEM	Kentucky	Louisiana	Maine	Maryland	Massachusetts	Michigan	Mississippi	New Jersey	New York	North Carolina
Number of establishments [1]	3	12	14	38	10	7	13	22	18	70
Proprietors and firm members		2	5	5			1	5	1	16
Persons reported by manufacturing establishments, total [2]	185	662	230	2,460	232	366	450	875	327	2,352
Salaried officers of corporations [2]	4	8	15	40	1	2	10	26	6	38
Manufacturing:										
Salaried employees [2]	14	57	23	250	29	30	24	81	31	208
Wage earners (average for the year) [3]	134	524	163	1,991	192	321	369	711	266	1,923
Distribution	30	68	25	155	6	13	30	54	23	165
Construction		2		24	1			3		8
Other	3	3	4		3		17		1	10
Salaries and wages, total [2]	$171,494	$490,072	$216,437	$2,946,386	$307,338	$564,458	$321,669	$1,183,757	$378,191	$1,772,824
Salaried officers [2]	23,582	18,520	44,391	100,839	1,560	11,163	32,048	77,958	13,825	123,973
Manufacturing:										
Salaries [2]	24,691	69,836	31,382	422,113	71,341	58,362	38,973	143,339	59,523	295,233
Wages	76,727	256,410	110,761	2,121,068	214,034	461,912	184,164	832,334	264,354	1,025,963
Distribution	44,926	139,981	25,691	273,986	15,127	33,021	37,049	125,939	37,092	312,092
Construction		2,991		27,136	2,222		374	4,187	2,461	5,427
Other	1,568	2,334	4,212	1,244	3,054		29,061		936	10,136
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	1,001,061	3,288,039	1,926,025	11,936,609	1,987,253	1,778,518	2,208,930	4,947,070	2,678,877	12,541,820
Materials, supplies, and containers	996,943	3,241,181	1,920,069	11,556,589	1,951,287	1,685,095	2,180,106	4,842,021	2,652,368	12,395,361
Fuel	518	3,534	350	47,647	21,864	58,655	378	72,102	3,897	15,883
Purchased electric energy	3,600	43,324	5,606	332,373	14,102	34,768	28,446	32,947	22,612	128,440
Contract work										2,136
Value of products	1,572,078	4,652,082	2,491,879	18,094,443	2,566,222	2,612,074	3,290,683	7,106,755	3,729,520	17,855,023
Value added by manufacture [4]	571,017	1,364,043	565,854	6,157,834	578,969	833,556	1,081,753	2,159,685	1,050,643	5,313,203

ITEM	Ohio	Oregon	Pennsylvania	South Carolina	Tennessee	Texas	Virginia	Washington	Wisconsin	Other States [5]
Number of establishments [1]	33	4	28	76	12	17	43	6	6	13
Proprietors and firm members	8	3	8	35		13	5	3		3
Persons reported by manufacturing establishments, total [2]	1,238	13	682	1,931	718	258	2,385	28	243	324
Salaried officers of corporations [2]	20	3	24	39	6	8	22	2	4	11
Manufacturing:										
Salaried employees [2]	116	1	62	154	46	23	189	4	28	28
Wage earners (average for the year) [3]	931	8	517	1,565	593	192	1,869	19	139	251
Distribution	168	1	71	125	69	33	285	3	46	25
Construction	3		7	47	4	2	20		26	9
Other			1	1						
Salaries and wages, total [2]	$1,715,944	$14,765	$839,559	$1,232,183	$679,609	$181,681	$2,318,525	$38,564	$476,674	$471,229
Salaried officers [2]	143,916	3,280	74,202	129,369	27,410	13,424	147,739	6,050	28,300	37,924
Manufacturing:										
Salaries [2]	230,997	708	110,715	193,368	76,066	24,762	320,006	7,234	75,260	63,642
Wages	940,885	9,577	482,864	758,973	419,485	89,672	1,296,277	21,170	206,433	306,447
Distribution	391,441	1,200	155,539	132,619	148,129	48,959	536,493	4,110	109,681	54,816
Construction	8,705		12,411	17,529	8,160	4,512	18,010		57,000	8,400
Other			3,828	325	359	352				
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	7,510,544	98,242	3,489,661	8,692,577	3,278,961	1,386,953	13,797,117	386,597	793,164	1,443,420
Materials, supplies, and containers	7,375,481	96,617	3,436,611	8,588,660	3,219,179	1,367,970	13,615,113	383,473	622,403	1,365,291
Fuel	23,343	450	23,774	5,637	1,056	2,504	50,350		106,738	37,028
Purchased electric energy	111,720	1,175	29,276	97,460	58,726	14,394	131,654	3,124	64,023	41,101
Contract work				820		2,085				
Value of products	11,249,605	133,554	4,748,230	11,702,227	5,402,166	2,017,717	19,377,213	496,166	1,902,209	2,506,587
Value added by manufacture [4]	3,739,061	35,312	1,258,569	3,009,650	2,123,205	630,764	5,580,096	109,569	1,109,045	1,063,167

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Arizona, 1 establishment; Colorado, 2; Kansas, 1; Minnesota, 2; Montana, 1; Nebraska, 1; North Dakota, 1; Oklahoma, 1; Rhode Island, 1; Vermont, 1; West Virginia, 1.

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

	1939	1937
"Fertilizers" industry, all products, total value	$185,684,328	$194,129,208
Fertilizers	151,997,990	[1] 166,374,022
Merchandising	23,001,613	[1] 16,042,059
Miscellaneous products not specified	947,858	[1] 11,713,127
Receipts for contract and commission work	402,168	
Other products (not classified in the industry)	[2] 9,334,699	
Fertilizers, total value	$161,887,134	$173,647,111
Fertilizers made in the industry	151,997,990	166,374,022
Fertilizers made as secondary products in other industries	9,889,144	7,273,089

[1] Revised.
[2] Includes in order of value, sulfuric acid, sodium silicoflouride, phosphoric acid, bone black, and other miscellaneous items.

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

[Ton, 2,000 pounds]

PRODUCT	1939	1937
Total value	$161,887,134	$173,647,111
Complete fertilizers (mixtures containing nitrogen, phosphoric acid, and potash):		
Tons	5,088,468	5,680,619
Value	$117,666,262	$128,750,181
Plant-food content reported (see table 6), tons	4,795,590	4,915,626
Plant-food content not reported, tons	292,878	764,993
Potash superphosphate (mixtures):		
Tons	233,359	225,589
Value	$4,824,771	$4,458,662
Plant-food content reported (see table 6), tons	227,714	212,549
Plant-food content not reported, tons	5,645	13,040
Superphosphates, not ammoniated (including concentrated superphosphates) [1]:		
Total production, tons	[2] 4,152,642	5,275,710
Made for sale:		
Tons	2,757,340	3,112,563
Value	$23,937,433	$27,846,266
Made and consumed in same establishments, tons	1,395,302	2,163,147
Bone meal:		
Tons	62,004	84,913
Value	$1,760,942	$1,919,503
Ammoniated superphosphate (including urea and ammonium-nitrate solutions):		
Tons	32,878	[3] 45,352
Value	$572,756	[3] $700,842
Other ammoniated fertilizers (nonpotash):		
Tons	6,834	[3] 7,734
Value	$138,678	[3] $144,112
Other fertilizers [4]:		
Tons	360,146	[3] 218,844
Value	$6,660,877	[3] $4,998,520
Tankage:		
Tons [5]	225,275	179,715
Value [5]	$6,325,415	$4,829,025

[1] Basis 16 percent available phosphoric acid. In 1937 included a small amount used or sold from stocks of previous year.
[2] In addition, 68,926 tons of superphosphate, basis 47 percent P_2O_5, was produced by the Tennessee Valley Authority during the fiscal year ended June 30, 1939.
[3] Revised.
[4] Includes legume inoculants.
[5] Does not include production in the "Meat packing, wholesale" industry.

TABLE 5.—PRODUCTION, BY CLASS, QUANTITY, AND VALUE, BY STATES: 1939

[Statistics are given for all States for which separate figures can be published without disclosing, exactly or approximately, the data reported by individual establishments. Certain of the "Other States," however, outrank some of the States shown separately]

	Total [1]	Complete fertilizers	Superphosphates, including concentrated phosphates [2]	Other fertilizers [3]
United States:				
Tons	8,541,029	5,088,468	2,757,340	695,221
Value	$155,561,719	$117,666,262	$23,937,433	$13,958,024
Alabama:				
Tons	490,754	278,136	(4)	(4)
Value	$7,366,007	$5,684,192	(4)	(4)
Arkansas:				
Tons	52,463	41,820	(4)	(4)
Value	$1,180,130	$1,058,306	(4)	(4)
California:				
Tons	133,552	63,164	(4)	(4)
Value	$4,314,943	$2,855,155	(4)	(4)
Connecticut:				
Tons	49,900	41,618		8,282
Value	$1,629,302	$1,379,912		$249,390
Delaware:				
Tons	25,487	20,133		5,354
Value	$697,355	$588,195		$109,160
Florida:				
Tons	747,881	368,094	364,637	15,150
Value	$13,401,024	$10,005,717	$3,081,509	$313,798
Georgia:				
Tons	895,986	653,547	201,884	40,555
Value	$15,896,991	$13,529,994	$1,670,704	$696,293
Illinois:				
Tons	258,188	148,024	59,219	50,945
Value	$5,346,706	$3,661,863	$670,854	$1,013,989
Indiana:				
Tons	173,991	112,335	26,789	34,867
Value	$3,868,050	$2,710,659	$272,368	$885,023
Kentucky:				
Tons	48,591	38,557		10,034
Value	$1,241,448	$997,983		$243,465
Louisiana:				
Tons	191,710	130,106	44,973	16,631
Value	$3,783,172	$3,053,363	$398,635	$331,174
Maryland:				
Tons	1,081,175	383,198	662,593	35,384
Value	$13,180,311	$7,785,272	$4,813,882	$581,157
Massachusetts:				
Tons	112,047	70,057	(4)	(4)
Value	$2,327,752	$1,932,869	(4)	(4)
Michigan:				
Tons	72,756	62,461	(4)	(4)
Value	$1,648,320	$1,401,955	(4)	(4)
Mississippi:				
Tons	143,019	105,860	34,017	3,142
Value	$2,906,726	$2,424,652	$390,462	$91,612
New Jersey:				
Tons	316,327	211,814	102,849	1,664
Value	$6,058,768	$5,026,821	$989,634	$42,313
New York:				
Tons	137,812	86,419	(4)	(4)
Value	$2,670,089	$2,065,538	(4)	(4)
North Carolina:				
Tons	762,762	606,107	135,249	21,406
Value	$14,974,959	$13,510,544	$1,061,104	$403,311
Ohio:				
Tons	549,538	348,932	128,782	71,824
Value	$10,703,445	$7,842,113	$1,352,706	$1,508,626
Oregon:				
Tons	4,662	4,662		
Value	$168,099	$168,099		
Pennsylvania:				
Tons	216,612	149,724	(4)	(4)
Value	$4,318,913	$3,615,473	(4)	(4)
South Carolina:				
Tons	588,450	346,796	200,752	40,902
Value	$9,681,306	$7,044,967	$1,582,266	$1,054,073

See footnotes at end of table.

TABLE 5.—PRODUCTION, BY CLASS, QUANTITY, AND VALUE, BY STATES: 1939—Continued

	Total [1]	Complete fertilizers	Superphosphates, including concentrated phosphates [2]	Other fertilizers [3]
Tennessee:				
Tons	355,967	108,494	218,859	28,614
Value	$5,046,830	$2,388,632	$2,090,701	$567,497
Texas:				
Tons	77,121	46,617	(4)	(4)
Value	$1,860,288	$1,315,123	(4)	(4)
Virginia:				
Tons	737,185	565,197	106,653	65,335
Value	$14,615,065	$12,224,836	$872,338	$1,517,891
Washington:				
Tons	16,095	14,928		1,167
Value	$460,835	$428,931		$31,904
Other States:				
Tons	300,998	81,668	(4)	(4)
Value	$6,214,885	$2,965,098	(4)	(4)
Undistributed:				
Tons			470,084	243,965
Value			$4,690,270	$4,317,348

[1] Does not include tankage. See footnote 3.
[2] Basis 16 percent available phosphoric acid.
[3] Includes ammoniated superphosphates, other ammoniated fertilizers (non-potash), potash superphosphate, and bone meal. Does not include tankage.
[4] The items not shown for individual States are included in the "Undistributed" item to avoid disclosing, exactly or approximately, the output of individual establishments.

TABLE 6.—PLANT-FOOD CONTENT OF COMPLETE FERTILIZERS AND OF POTASH SUPERPHOSPHATE MIXTURES FOR THE UNITED STATES, 1939, 1937, AND 1935; FOR GEOGRAPHIC DIVISIONS, 1939 AND 1937; AND FOR STATES, 1939

[This table covers all establishments which reported plant-food content and for which figures could be shown without disclosing, exactly or approximately, data reported by individual establishments. Where possible, the remaining States are shown in groups. Certain States for which group figures are given are more important in the "Fertilizer" industry than some of those shown separately]

GEOGRAPHIC DIVISION AND STATE	QUANTITY AND PERCENT FOR WHICH PLANT-FOOD CONTENT WAS REPORTED		AVERAGE PERCENTAGE CONTENT OF—		
	Short tons	Percent of total	Nitrogen as N	Phosphorous as P_2O_5	Potassium as K_2O
COMPLETE FERTILIZERS					
United States 1939	4,795,590	94.6	3.6	9.1	5.5
1937	4,915,626	86.5	3.5	9.0	5.2
1935	3,492,900	83.1	3.4	8.9	5.0
NEW ENGLAND 1939	167,569	97.5	5.5	9.9	10.2
1937	202,269	92.6	5.5	9.5	9.7
1939					
Connecticut	39,463	94.8	5.0	7.4	6.7
Maine	60,110	99.9	5.8	10.9	12.9
Massachusetts	67,996	97.0	5.5	10.5	9.8
MIDDLE ATLANTIC 1939	409,500	91.4	3.8	9.8	7.0
1937	416,866	87.7	3.8	9.6	6.8
1939					
New Jersey	196,108	92.6	4.2	9.4	7.5
New York	84,482	97.8	3.8	10.7	6.2
Pennsylvania	128,910	86.1	3.3	9.7	6.8
EAST AND WEST NORTH CENTRAL 1939	632,344	92.9	2.5	11.8	6.5
1937	630,996	88.0	2.5	11.7	6.0
1939					
Illinois	103,735	70.1	2.8	11.8	6.4
Indiana	111,627	99.4	2.4	11.8	6.9
Michigan	61,589	98.6	2.2	12.1	7.2
Ohio	346,747	99.4	2.5	11.8	6.2
Minnesota and Wisconsin	8,646	96.0	3.0	12.6	8.8
SOUTH ATLANTIC 1939	2,838,489	96.4	3.6	8.5	5.0
1937	2,867,335	84.5	3.4	8.4	4.7

TABLE 6.—PLANT-FOOD CONTENT OF COMPLETE FERTILIZERS AND OF POTASH SUPERPHOSPHATE MIXTURES FOR THE UNITED STATES, 1939, 1937, AND 1935; FOR GEOGRAPHIC DIVISIONS, 1939 AND 1937; AND FOR STATES, 1939—Continued

GEOGRAPHIC DIVISION AND STATE	QUANTITY AND PERCENT FOR WHICH PLANT-FOOD CONTENT WAS REPORTED		AVERAGE PERCENTAGE CONTENT OF—		
	Short tons	Percent of total	Nitrogen as N	Phosphorous as P_2O_5	Potassium as K_2O
SOUTH ATLANTIC—Continued.					
1939					
Delaware	19,623	97.5	4.1	9.6	8.6
Florida	345,286	93.8	4.2	7.7	6.0
Georgia	613,100	93.8	3.9	8.5	4.8
Maryland	378,852	98.9	3.3	10.1	6.5
North Carolina	585,184	96.5	3.2	8.2	4.6
South Carolina	337,203	97.2	3.5	8.4	4.4
Virginia	559,241	98.9	3.4	8.1	4.3
EAST AND WEST SOUTH CENTRAL 1939	690,982	92.2	4.0	8.7	4.8
1937	738,480	93.3	4.1	8.6	4.5
1939					
Alabama	250,500	90.1	4.3	8.4	4.8
Arkansas	33,072	79.1	4.1	8.7	5.3
Louisiana	127,082	97.7	3.7	8.7	4.7
Mississippi	99,189	93.7	4.2	8.5	4.7
Kentucky and Tennessee	138,928	94.5	3.3	9.2	5.0
Texas	42,211	90.5	4.6	9.8	4.5
PACIFIC 1939	56,706	72.6	6.6	8.9	6.1
1937	59,680	74.0	6.5	9.2	5.8
1939					
California	50,524	80.0	6.9	8.9	5.8
Washington	6,182	41.4	4.4	8.9	8.4

GEOGRAPHIC DIVISION AND STATE	QUANTITY AND PERCENT FOR WHICH PLANT-FOOD CONTENT WAS REPORTED		AVERAGE PERCENTAGE CONTENT OF—	
	Short tons	Percent of total	Phosphorus as P_2O_5	Potassium as K_2O
POTASH SUPERPHOSPHATE MIXTURES				
United States 1939	227,714	97.8	12.2	8.6
1937	212,549	94.2	11.6	7.8
1935	131,084	92.3	11.5	7.0
NEW ENGLAND AND MIDDLE ATLANTIC 1939	6,194	95.0	13.3	8.2
1937	4,837	81.3	12.0	7.6
1939				
Massachusetts, New York, and Vermont	1,000	100.0	17.1	14.5
New Jersey	1,117	100.0	13.5	10.0
Pennsylvania	4,077	92.7	12.2	6.2
EAST AND WEST NORTH CENTRAL 1939	103,333	99.9	13.3	11.5
1937	83,408	91.4	12.0	11.1
1939				
Illinois	18,019	100.0	13.2	15.4
Indiana	32,117	100.0	12.8	11.7
Ohio	47,684	100.0	13.5	9.2
Michigan, Minnesota, and Wisconsin	5,513	97.4	14.0	16.8
SOUTH ATLANTIC 1939	73,360	98.9	11.4	6.6
1937	74,580	95.0	10.9	6.2
1939				
Delaware	4,137	100.0	11.7	9.7
Florida	1,803	100.0	9.4	8.0
Georgia	5,844	98.5	11.6	4.8
North Carolina	8,550	98.1	9.9	5.5
South Carolina	2,180	100.0	10.3	5.4
Maryland	25,424	99.0	12.5	7.4
Virginia and West Virginia	25,422	98.7	11.0	6.2
EAST AND WEST SOUTH CENTRAL AND PACIFIC 1939	44,827	92.0	11.1	5.3
1937	49,724	99.8	10.7	4.7
1939				
Alabama and Arkansas	2,188	100.0	11.9	5.7
Kentucky and Tennessee	30,306	89.1	10.2	4.5
Louisiana and Texas	9,599	100.0	12.5	4.8
Mississippi	318	100.0	12.0	6.0
California and Washington	2,416	93.2	16.6	16.7

TABLE 7.—MATERIALS CONSUMED IN THE INDUSTRY BY KIND AND QUANTITY: 1939 AND 1937

KIND	TONS (2,000 LBS.) 1939	1937
Used in manufacture of fertilizers:		
Sulphate of ammonia	339,590	380,536
Nitrate of soda	87,793	122,821
Ammonia, anhydrous	13,047	26,360
Ammonia, aqua, basis 25 percent NH_3	77,289	58,060
Calcium cyanamid	34,779	44,157
Urea and calurea	16,305	33,633
Ammonium phosphate	27,356	32,793
Cal nitro	45,145	(1)
Other inorganic nitrogenous materials	69,476	79,036
Cottonseed meal	75,903	78,730
Tankage (processed)	92,638	124,796
Tankage (animal) and dried blood	53,951	40,471
Tankage (garbage)	31,091	55,501
Fish scrap and meal	39,067	98,189
Guano (all kinds)	27,063	27,536
Sewage sludge	17,300	24,110
Other organic nitrogenous materials	175,462	174,568
Bones, ground, steamed, etc	15,775	32,763
Superphosphate, basis 16 percent A. P. A., total	2,816,537	3,495,659
Quantity made during year used in mixed fertilizers	1,395,302	2,163,147

KIND	TONS (2,000 LBS.) 1939	1937
Used in manufacture of fertilizers—Continued.		
Superphosphate—Continued.		
Quantity purchased or taken from previous year's stock used in mixed fertilizers	1,421,235	1,332,512
Muriate of potash, basis 50 percent K_2O	496,703	524,606
Sulphate of potash	56,389	57,889
Manure salts, basis 20 percent K_2O	31,083	83,597
Kainite	19,434	20,703
Other potash-bearing materials	66,066	58,857
Other materials containing plant food	268,859	363,337
Phosphate rock	2,029,060	2,306,396
Sulphuric acid purchased and consumed	717,360	880,583
Sulphuric acid made and consumed, basis 50° Baumé, total	1,161,770	1,305,174
Contact process	163,180	52,041
Chamber process	998,590	1,253,133
Phosphoric acid, total	119,754	(1)
Phosphoric acid purchased and consumed	12,002	(1)
Phosphoric acid made and consumed, basis 50 percent H_3PO_4	107,752	(1)

[1] No data.

TABLE 8.—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	18,744	18,192	20,047	28,740	33,919	21,999	13,694	12,109	12,660	15,883	15,975	15,164	16,548
1937	20,391	19,355	22,804	31,943	36,575	23,692	16,141	13,508	14,147	17,094	16,823	15,341	17,266
Alabama	1,129	1,011	1,313	2,272	2,699	1,079	652	547	647	721	745	819	1,039
Arkansas	119	87	208	293	275	157	57	60	83	50	47	60	52
California	198	191	200	234	246	208	169	155	164	200	183	208	214
Connecticut	128	80	108	209	212	248	123	108	65	69	77	121	119
Delaware	70	51	64	95	100	99	67	43	81	69	85	41	47
Florida	1,356	1,465	1,504	1,758	1,212	1,282	1,230	1,011	946	1,223	1,466	1,545	1,636
Georgia	2,281	2,407	3,079	4,755	5,099	2,142	1,282	1,078	1,101	1,330	1,504	1,598	2,001
Illinois	494	392	424	518	652	665	411	463	485	613	490	415	399
Indiana	294	217	210	234	323	625	218	245	288	450	324	202	189
Kentucky	134	105	90	195	208	227	80	104	103	192	116	97	95
Louisiana	524	604	718	937	1,009	453	338	239	305	412	407	407	457
Maine	163	147	126	169	204	451	156	52	62	90	269	109	125
Maryland	1,991	1,491	1,544	2,281	2,860	2,605	1,631	1,745	1,801	2,239	2,214	1,795	1,684
Massachusetts	192	134	168	190	281	340	170	176	165	177	162	171	172
Michigan	321	339	340	356	408	446	252	217	223	350	248	336	332
Mississippi	369	441	529	781	756	234	139	130	185	222	293	331	384
New Jersey	711	665	744	802	976	993	669	584	579	606	640	642	628
New York	266	208	175	255	390	516	312	210	170	284	233	183	252
North Carolina	1,923	2,259	2,026	3,209	4,435	2,165	1,250	907	917	1,242	1,513	1,405	1,750
Ohio	931	849	756	893	1,077	1,323	843	929	915	1,391	773	710	709
Oregon	8	6	10	10	10	7	2	5	9	9	10	9	10
Pennsylvania	517	517	432	638	713	750	450	424	483	548	453	377	416
South Carolina	1,565	1,487	1,883	3,020	3,930	1,355	1,099	687	883	901	1,085	1,230	1,220
Tennessee	593	519	530	808	1,085	946	375	405	441	498	580	460	467
Texas	192	171	204	367	415	266	85	56	72	100	177	122	179
Virginia	1,869	1,949	2,168	2,979	3,848	1,961	1,245	1,170	1,115	1,470	1,518	1,427	1,577
Washington	19	13	24	35	30	19	16	14	13	18	17	21	10
Wisconsin	139	137	128	151	162	159	121	109	139	147	131	125	158

TABLE 9.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	764
Reporting expenditures for plant and equipment	403
Value of products:	
Total for the industry	$185,684,328
Reporting expenditures for plant and equipment	137,951,023
Expenditures for plant and equipment:	
Total for the industry	2,354,976
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	793,052
Expenditures for new machinery and operating equipment	1,457,258
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	86,506
Expenditures unclassified	18,160

TABLE 10.—VALUE OF INVENTORIES OF MATERIALS AND FINISHED PRODUCTS, AND VALUE OF PRODUCTS: 1939 AND 1937

	1939	1937
Inventories:		
Beginning of year, total	$47,335,860	$34,670,535
Finished products	16,835,829	11,333,427
Materials, supplies, etc	30,500,031	23,337,108
End of year, total	44,106,375	44,792,320
Finished products	15,718,395	14,194,641
Materials, supplies, etc	28,387,980	30,597,679
Value of products for the industry, total	185,684,328	194,129,208
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	183,716,874	186,611,298
Value for establishments not reporting inventories	1,967,454	7,517,910

TABLE 11.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 AND 1929

	1939	1929
Number of establishments	764	638
Number of establishments reporting power equipment	755	621
Prime movers, aggregate:		
Number	148	408
Horsepower	15,263	26,024
Prime movers, driving generators, total—		
Number	40	[1] 408
Horsepower	9,689	[1] 26,024
Steam engines—		
Number	19	[1] 306
Horsepower	5,689	[1] 21,347
Steam turbines—		
Number	2	[1] 11
Horsepower	900	[1] 1,470
Diesel and semi-Diesel engines—		
Number	5	[1] 90
Horsepower	2,200	[1] 3,192
Other internal-combustion engines [2]—		
Number	14	
Horsepower	900	
Hydroturbines and water wheels—		
Number		[1] 1
Horsepower		[1] 15
Prime movers, driving generators, ordinarily idle (included above), horsepower	3,308	
Prime movers not driving generators, total—		
Number	108	
Horsepower	5,574	
Steam engines—		
Number	29	
Horsepower	2,815	[3]
Steam turbines—		
Number	6	
Horsepower	40	
Diesel and semi-Diesel engines—		
Number	18	
Horsepower	845	
Other internal-combustion engines [2]—		
Number	55	
Horsepower	1,874	
Prime movers not driving generators, ordinarily idle (included above), horsepower	540	
Generators, kilowatt rating, total	6,223	5,251
Generators, driven by—		
Steam engines, kilowatt rating	3,330	
Steam turbines, kilowatt rating	650	
Diesel and semi-Diesel engines, kilowatt rating	1,849	[3]
Other internal-combustion engines,[2] kilowatt rating	394	
Generators, ordinarily idle (included above), kilowatt rating	2,433	[4]
Electric motors, total:		
Number	9,825	7,263
Horsepower	223,191	147,526
Driven by purchased energy—		
Number	9,420	6,861
Horsepower	216,142	140,960
Driven by energy generated in establishments reporting—		
Number	405	402
Horsepower	7,049	6,566
Electric energy (kilowatt-hours):		
Generated in plant	6,140,010	[4]
Sold	1,180,871	[4]
Purchased	126,308,285	97,842,555

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

TANNING MATERIALS, NATURAL DYESTUFFS, MORDANTS, ASSISTANTS, AND SIZES

[A preliminary report for this industry was issued December 23, 1940]

Description of the industry.—This industry, as classified for census purposes, embraces establishments primarily engaged in the manufacture of natural dyestuffs; tanning extracts from wood, bark, and other vegetable materials; and mordants, assistants (which aid the dyeing process without combining chemically with the dye or the mordant), and sizes. The natural dyestuffs are made from woods, barks, leaves, berries, and other vegetable materials. (Artificial or synthetic dyes are products of the Chemicals Not Elsewhere Classified industry.)

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	158	2,716	$3,002,734	$23,860,279	$42,164,716	$18,304,437	25,996
1937	158	2,812	2,999,868	22,603,478	35,684,573	13,081,095	[5]
1935	154	2,651	2,636,004	19,706,071	33,638,800	13,932,729	[6]
1933	124	2,141	2,212,359	13,518,005	23,322,328	9,804,323	[5]
1931	116	1,962	2,390,118	15,520,635	26,469,119	10,948,484	[5]
1929	126	2,419	3,113,617	25,335,629	39,836,035	14,500,406	15,107
1927	122	2,414	2,971,477	23,073,925	35,677,033	12,603,108	23,499
1925	125	2,495	2,987,070	22,763,114	34,783,703	12,020,589	26,976
1923	125	3,243	3,800,783	24,033,018	35,971,612	11,938,594	28,349
1921	123	2,993	3,007,547	20,105,517	28,310,708	8,205,191	[5]
1919	144	4,342	4,734,614	34,592,698	53,744,283	19,151,585	31,603
1914	112	2,839	1,613,116	13,237,995	20,620,336	7,382,341	22,543
1909	107	2,397	1,291,379	9,683,651	15,954,574	6,270,923	22,020
1904	98	2,707	1,264,492	6,829,340	10,893,113	4,063,773	17,624
1899	77	1,647	787,942	4,745,912	7,350,748	2,604,836	11,133

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

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

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

ITEM	United States	Georgia	Illinois	Massachusetts	New Jersey	New York	North Carolina	Pennsylvania	Rhode Island	South Carolina	Tennessee	Virginia	Other States [1]
Number of establishments [2]	158	6	4	26	29	15	9	21	17	5	6	6	14
Proprietors and firm members	33	2	----	8	4	5	----	4	4	2	----	1	3
Persons reported by manufacturing establishments, total [3]	4,057	269	32	356	1,037	204	419	455	165	23	280	291	526
Salaried officers of corporations [3]	168	4	6	21	46	16	10	34	15	4	5	3	4
Manufacturing:													
Salaried employees [3]	632	34	2	72	183	47	35	83	38	4	20	26	88
Wage earners (average for the year) [4]	2,716	212	18	200	620	125	302	259	86	10	253	261	370
Distribution	405	17	6	60	138	16	14	73	25	5	2	----	49
Construction	67	2	----	2	27	----	16	5	----	----	----	----	15
Other	69	----	----	1	23	----	42	1	1	----	----	1	----
Salaries and wages, total [3]	$7,106,047	$322,474	$56,827	$740,670	$2,026,605	$489,119	$573,729	$1,080,546	$357,395	$32,534	$335,738	$308,860	$781,550
Salaried officers [3]	1,366,480	37,339	13,670	128,280	382,183	148,509	125,860	337,088	98,743	13,000	43,357	25,280	13,171
Manufacturing:													
Salaries [3]	1,373,278	72,407	2,662	123,990	470,470	104,740	60,301	182,320	85,354	4,947	51,869	40,952	173,266
Wages	3,002,734	163,555	25,186	293,568	784,774	174,404	259,940	341,841	93,450	5,529	217,303	237,628	405,556
Distribution	1,157,933	43,568	15,309	187,448	308,623	61,466	37,433	210,294	79,682	9,058	23,209	----	181,843
Construction	92,570	5,605	----	3,744	40,506	----	26,842	8,159	----	----	----	----	7,714
Other	113,052	----	----	3,640	40,049	----	63,353	844	166	----	----	5,000	----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	23,860,279	1,552,168	165,087	2,764,557	7,287,855	1,712,370	1,146,568	2,915,115	1,318,901	166,101	1,060,099	928,868	2,842,590
Materials, supplies, and containers	22,906,267	1,498,854	161,253	2,707,377	7,087,996	1,679,040	917,314	2,847,814	1,302,285	164,257	948,581	822,732	2,768,764
Fuel	770,392	26,652	360	46,269	123,524	20,441	212,674	52,382	10,737	1,217	110,350	104,629	61,157
Purchased electric energy	181,576	26,662	2,188	10,911	76,335	12,889	16,580	14,919	5,121	627	1,168	1,507	12,669
Contract work	2,044	----	1,286	----	----	----	----	----	758	----	----	----	----
Value of products	42,164,716	2,696,203	384,901	3,960,222	12,359,132	3,448,974	2,364,457	6,031,959	2,126,377	241,523	1,802,202	1,843,040	4,905,726
Value added by manufacture [5]	18,304,437	1,144,035	219,814	1,195,665	5,071,277	1,736,604	1,217,889	3,116,844	807,476	75,422	742,103	914,172	2,063,136

[1] Alabama, 1 establishment; California, 1; Delaware, 1; Florida, 2; Iowa, 1; Louisiana, 1; Maryland, 1; Michigan, 2; Missouri, 2; Oregon, 1; Wisconsin, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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
"Tanning Materials, Natural Dyestuffs, Mordants, Assistants, and Sizes" industry, all products, total value	$42,164,716	$35,684,573	$39,836,035
Tanning materials, natural dyestuffs, mordants, assistants, and sizes made in this industry	36,040,381	[1] 31,783,169	[1] 30,719,216
Miscellaneous products not specified	2,019,458	[1] 3,901,404	[1] 9,116,819
Receipts for contract and commission work	108,178		
Other products (not classified in this industry)	[2] 3,996,699		
Tanning materials, natural dyestuffs, mordants, assistants, and sizes, total value	45,250,910	[1] 40,717,546	[1] 33,111,324
Tanning materials, natural dyestuffs, mordants, assistants, and sizes made in this industry	36,040,381	[1] 31,783,169	[1] 30,719,216
Tanning materials, natural dyestuffs, mordants, assistants, and sizes made as secondary products in other industries	9,210,529	[1] 8,934,377	[1] 2,392,108

[1] Revised. [2] Value of soap, coal-tar dyes, tannic acid, etc.

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

PRODUCT	1939	1937	1929
Total value	$45,250,910	[1] $40,717,546	[1] $33,111,324
Tanning materials, total value	$11,711,506	$10,864,726	$9,957,869
Extracts:			
Oak (solid and liquid)—			
Number of establishments	5	6	6
Pounds [3]	10,340,693	12,698,305	7,826,963
Value	$230,843	$346,286	$295,084
Chestnut (solid and liquid)—			
Number of establishments	17	15	17
Pounds [3]	333,721,157	363,706,338	270,162,089
Value	$4,699,877	$4,968,487	$4,001,327
Hemlock (solid and liquid)—			
Number of establishments	5	7	[8]
Pounds [3]	5,932,511	7,706,032	
Value	$155,062	$194,596	
Gambier (solid and liquid)—			
Number of establishments	6	7	[8]
Pounds [3]	1,042,323	777,722	
Value	$86,758	$53,611	
Sumac (solid and liquid)—			
Number of establishments	7	8	6
Pounds [3]	4,456,579	3,358,350	[4] 5,279,069
Value	$279,158	$169,330	$343,680
Wattle (solid and liquid)—			
Number of establishments	5	4	[8]
Pounds [3]	2,063,364	3,690,238	
Value	$54,346	$76,339	
Other extracts (solid and liquid), value [5]	$2,393,776	$1,991,430	$5,317,778
Other tanning materials, value	$3,811,686	$3,064,647	
Natural dyestuffs, total value	$1,727,900	$1,407,500	$2,425,984
Logwood (solid and liquid):			
Number of establishments	5	5	5
Pounds	5,984,814	8,215,460	19,337,708
Value	$961,791	$831,938	$1,843,448
Quercitron (solid and liquid):			
Number of establishments	3	[6]	4
Pounds	711,908		2,419,874
Value	$77,290		$171,702
Other natural dyestuffs—extracts (solid and liquid) and natural dyestuffs—ground, chipped, and dry, value [7]	$688,819	[6] $575,562	$410,834
Mordants, not including tannic acid, value	$179,345	$193,514	$669,860
Assistants, total value	$21,872,204	$17,841,344	$6,893,561
Sulphonated oils and fats:			
Tallow—			
Number of establishments	31	28	[8]
Pounds	13,676,315	[1] 16,560,012	
Value	$724,686	[1] $968,684	
Other animal—			
Number of establishments	28	[8]	[8]
Pounds	11,739,742		
Value	$948,267		
Cod—			
Number of establishments	18	13	[8]
Pounds	10,182,034	[1] 7,873,392	
Value	$684,909	[1] $553,074	
Other fish—			
Number of establishments	21	[8]	[8]
Pounds	4,471,428		
Value	$416,361		

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

PRODUCT	1939	1937	1929
Assistants—Continued.			
Sulphonated oils and fats—Con.			
Castor—			
Number of establishments	52	56	[8]
Pounds	17,409,713	[1] 24,496,661	
Value	$1,633,807	[1] $2,376,565	
Olive—			
Number of establishments	29	28	[8]
Pounds	3,205,725	[1] 3,844,392	
Value	$388,688	[1] $488,168	
Teaseed—			
Number of establishments	17	[8]	[8]
Pounds	3,884,365		
Value	$417,294		
Other vegetable—			
Number of establishments	31	[8]	[8]
Pounds	2,995,281		
Value	$320,333		
Other sulphonated oils and fats, value		[1] $1,286,383	[8]
Softeners, soluble oils, and greases:			
Number of establishments	77	76	[8]
Pounds	83,610,079	[1] 73,022,607	
Value	$7,449,820	[1] $6,097,295	
Other assistants, value [9]	$8,888,039	$6,071,175	[8]
Sizes, total value	$9,759,955	$10,410,462	$13,164,050
Gum, other than rosin:			
Pounds	12,682,193	8,982,235	20,138,178
Value	$800,875	$656,154	$1,400,566
Dextrin:			
Pounds	30,010,920	26,944,401	33,506,764
Value	$2,003,635	$1,599,123	$2,042,926
Other [10]:			
Pounds	210,763,370	197,541,501	243,650,307
Value	$6,955,445	$8,155,185	$9,720,558

[1] Revised. [2] For 1939 and 1937, basis 25 percent tannin; for 1929, not reported according to strength.
[3] Value included in figure for "Other extracts" to avoid disclosing data reported by individual establishments. [4] No solid sumac extract reported.
[5] Includes values of quebracho and myrobalans and also for 1929 the value of "Hemlock," "Gambier," and "Wattle."
[6] Value of "Quercitron" included in figure for "Other natural dyestuffs" to avoid disclosing data reported by individual establishments.
[7] Includes value of fustic. [8] No data.
[9] Includes values of synthetic and other textile and tannin assistants.
[10] Includes value of rosin sizes.

TABLE 5.—PRODUCTION, BY CLASS, QUANTITY, AND VALUE, FOR SELECTED PRODUCTS: 1939

	Quantity (pounds)	Value
Chestnut extract (solid and liquid), total	333,721,157	$4,699,877
North Carolina	100,270,855	1,636,509
Ala., Mass., N. J., Tenn., and Va.	233,450,302	3,063,368
Sulphonated oils and fats:		
Tallow, total	13,676,315	724,686
New Jersey	3,338,139	185,192
Pennsylvania	885,855	54,572
Rhode Island	2,021,309	109,762
Georgia and North Carolina	5,074,330	229,601
Mass., Mich., and S. C.	2,356,682	145,559
Castor, total	17,409,713	1,633,807
Massachusetts	1,799,605	163,876
New Jersey	6,827,184	647,600
North Carolina	1,228,542	91,753
Pennsylvania	4,341,223	483,179
Rhode Island	1,257,263	97,914
Calif., Ga., Mich., N. Y., S. C., and Tenn.	1,955,896	149,485
Olive, total	3,205,725	388,688
New Jersey	1,987,222	230,300
Pennsylvania	475,353	64,062
Rhode Island	347,778	40,163
Ga., Mass., N. Y., N. C., and Tenn.	395,372	54,163
Teaseed, total	3,884,365	417,294
New Jersey	2,610,975	310,387
Mass., N. Y., N. C., Pa., and R. I.	1,273,390	106,907
Softeners, soluble oils, and greases, total	83,610,079	7,449,820
Massachusetts	3,072,323	268,048
New Jersey	44,099,246	4,086,156
New York	5,209,712	571,170
North Carolina	1,555,694	134,697
Pennsylvania	11,003,970	1,034,550
Rhode Island	8,039,943	641,922
Georgia and Tennessee	9,810,551	649,992
Ill., Mich., and S. C.	818,640	63,285

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	2,716	2,626	2,611	2,604	2,680	2,629	2,590	2,629	2,682	2,727	2,815	2,947	3,049
1937	2,812	2,783	2,712	2,801	2,846	2,822	2,925	2,866	2,920	2,873	2,805	2,742	2,649
1929	2,419	2,370	2,411	2,434	2,465	2,419	2,499	2,425	2,397	2,364	2,441	2,386	2,417
Georgia	212	176	179	184	180	190	208	217	233	233	237	241	270
Illinois	18	16	16	17	18	19	17	17	18	18	18	18	18
Massachusetts	200	188	197	197	196	200	196	198	196	196	212	210	208
New Jersey	620	587	585	587	590	585	594	597	601	637	662	702	715
New York	125	141	135	132	135	134	125	115	113	120	118	117	114
North Carolina	302	285	308	245	362	303	248	308	313	290	311	314	332
Pennsylvania	259	257	212	254	270	229	274	219	227	288	278	290	306
Rhode Island	86	77	77	80	82	77	82	87	90	95	91	95	94
South Carolina	10	10	10	11	11	10	9	11	11	12	10	10	10
Tennessee	253	255	264	263	224	258	261	252	250	213	258	265	268
Virginia	261	256	260	260	263	257	257	255	257	255	254	264	290

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	158
Reporting expenditures for plant and equipment	101
Value of products:	
Total for the industry	$42,164,716
Reporting expenditures for plant and equipment	34,705,242
Expenditures for plant and equipment:	
Total for the industry	1,157,631
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	317,125
Expenditures for new machinery and operating equipment	678,762
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	72,066
Expenditures unclassified	89,678

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

	1939	1937
Inventories:		
Beginning of year, total	$7,473,482	$7,087,596
Finished products	2,670,274	2,427,516
Materials, supplies, etc	4,803,208	4,660,080
End of year, total	8,719,694	9,346,594
Finished products	2,883,671	3,065,540
Materials, supplies, etc	5,836,023	6,281,054
Value of products for the industry, total	42,164,716	35,684,573
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	41,991,831	34,788,732
Value for establishments not reporting inventories	172,885	895,841

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

	1939	1929
Number of establishments	158	126
Number of establishments reporting power equipment	155	114
Prime movers, aggregate:		
Number	105	120
Horsepower	25,996	15,107
Prime movers, driving generators, total—		
Number	36	[1] 120
Horsepower	19,434	[1] 15,107
Steam engines—		
Number	24	[1] 106
Horsepower	5,193	[1] 12,608

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	7	[1] 10
Horsepower	13,851	[1] 2,310
Diesel and semi-Diesel engines—		
Number	4	[1] 4
Horsepower	370	
Other internal-combustion engines [2]—		
Number	1	[1] 189
Horsepower	20	
Prime movers, driving generators, ordinarily idle (included above), horsepower	3,949	----------
Prime movers not driving generators, total—		
Number	69	
Horsepower	6,562	
Steam engines—		
Number	62	
Horsepower	5,720	
Steam turbines—		
Number	1	[3]
Horsepower	500	
Diesel and semi-Diesel engines—		
Number	----------	
Horsepower	----------	
Other internal-combustion engines [2]—		
Number	6	
Horsepower	342	
Prime movers not driving generators, ordinarily idle (included above), horsepower	1,290	[3]
Generators, kilowatt rating, total	10,852	5,124
Generators, driven by—		
Steam engines, kilowatt rating	3,342	
Steam turbines, kilowatt rating	7,275	[3]
Diesel and semi-Diesel engines, kilowatt rating	220	
Other internal-combustion engines,[2] kilowatt rating	15	
Generators, ordinarily idle (included above), kilowatt rating	2,355	[4]
Electric motors, total:		
Number	2,667	1,261
Horsepower	20,986	13,890
Driven by purchased energy—		
Number	1,822	910
Horsepower	9,319	7,468
Driven by energy generated in establishments reporting—		
Number	845	351
Horsepower	11,667	6,422
Electric energy (kilowatt-hours):		
Generated in plant	33,356,078	[4]
Sold	124,123	[3]
Purchased	11,201,069	5,411,391

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

COAL-TAR PRODUCTS, CRUDE AND INTERMEDIATE

[A preliminary report for this industry was issued October 4, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of coal-tar crudes and intermediates.

Prior to the 1939 census this industry was a part of the industry entitled "Chemicals Not Elsewhere Classified." A special tabulation was made of the 1937 census reports in order to obtain figures comparable with those for 1939. There are no figures for earlier years.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	49	2,338	$3,598,411	$25,557,307	$42,917,034	$17,359,727	8,753
1937 [4]	48	2,028	3,031,983	24,232,587	37,177,059	12,944,472	(5)

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electrical energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] No comparable data for prior years.
[5] 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	Illinois	Other States [1]
Number of establishments [2]	49	3	6	40
Proprietors and firm members	1			1
Persons reported by manufacturing establishments, total [3]	2,954	166	1,227	1,561
Salaried officers of corporations [3]	12		2	10
Manufacturing:				
Salaried employees [3]	435	9	183	243
Wage earners (average for the year) [4]	2,338	155	995	1,188
Distribution	19		10	9
Construction	150	2	37	111
Other				
Salaries and wages, total [3]	$4,877,611	$221,484	$2,272,818	$2,383,309
Salaried officers [3]	67,816		27,000	40,816
Manufacturing:				
Salaries [3]	961,451	25,528	417,665	518,258
Wages	3,598,411	183,175	1,731,946	1,683,290
Distribution	38,848		26,929	11,919
Construction	211,085	12,781	69,278	129,026
Other				
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	25,557,307	2,027,953	6,339,752	17,189,602
Materials, supplies, and containers	23,891,842	1,961,669	5,865,499	16,064,674
Fuel	1,230,488	56,164	364,781	809,543
Purchased electric energy	209,511	9,168	55,324	145,019
Contract work	225,466	952	54,148	170,366
Value of products	42,917,034	3,017,024	13,232,097	26,667,913
Value added by manufacture [5]	17,359,727	989,071	6,892,345	9,478,311

[1] Colorado, 1 establishment; Connecticut, 3; Florida, 1; Georgia, 1; Indiana, 2; Maine, 1; Massachusetts, 2; Minnesota, 2; Missouri, 1; New Jersey, 6; New York, 3; Ohio, 4; Pennsylvania, 4; Rhode Island, 1; Tennessee, 1; Utah, 1; Washington, 3; West Virginia, 2; Wisconsin, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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
Coal-Tar Products, Crude and Intermediate industry, all products, total value	$42,917,034	$37,177,059
Coal-tar products, crude and intermediate, made in this industry	35,283,139	33,973,575
Miscellaneous products, not specified	235,393	3,203,484
Other products (not classified in this industry)	[1] 7,398,502	
Coal-tar products, crude and intermediate, aggregate value	73,355,108	66,610,600
Coal-tar products, crude and intermediate, made in this industry	35,283,139	33,973,575
Coal-tar products, crude and intermediate, made as secondary products in other industries of the Industrial Chemicals subgroup [2]	30,727,021	32,637,025
Coal-tar products, crude and intermediate, made as secondary products in other industries	[3] 7,344,948	

[1] Value of coal-tar resins and other chemicals.
[2] The eight industries, "Tanning materials, natural dyestuffs, mordants, assistants, and sizes," "Coal-tar products, crude and intermediate," "Plastic materials," "Explosives," "Salt," "Compressed and liquefied gases—not made in petroleum refineries or in natural-gasoline plants," "Bone black, carbon black, and lampblack," and "Chemicals not elsewhere classified" make up the subgroup of industries called "Industrial Chemicals" subgroup.
[3] Not including byproduct crudes made in coke plants and gas works.

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	Aggregate	
Total value	$35,283,139	$38,071,969	$73,355,108	$66,610,600
Coal-tar crudes [1]	24,610,282	5,068,271	29,678,553	29,470,712
Coal-tar intermediates	10,672,857	33,003,698	43,676,555	37,139,888

[1] Not including byproduct crudes made in coke plants and gas works.

TABLE 5.—VALUE OF PRODUCTS BY STATES: 1939

	1939
Coal-tar crudes, total value	$29, 678, 553
Illinois	3, 628, 340
New Jersey	4, 520, 361
Ohio	1, 981, 583
Ind., Mich., Wis	1, 992, 286
Ala., Ky., Miss., Tenn	2, 662, 061
Colo., Conn., Fla., Ga., Maine, Md., Mass., Minn., Mo., N. Y., Pa., R. I., Utah, Va., Wash., W. Va	14, 893, 922
Coal-tar intermediates, total value	43, 676, 555
New Jersey	15, 931, 442
Pennsylvania	5, 723, 907
Ill., Ind., Mich., Ohio	14, 431, 312
Ala., Calif., Conn., Mass., Minn., Mo., N. Y., Utah, W. Va	7, 589, 894

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	2, 338	2, 226	2, 234	2, 271	2, 287	2, 316	2, 334	2, 280	2, 253	2, 320	2, 533	2, 528	2, 473
1937	2, 028	1, 902	1, 928	1, 980	2, 025	1, 923	2, 056	2, 067	2, 028	2, 148	2, 165	2, 126	1, 984
Alabama	155	152	152	150	148	152	156	154	142	156	173	173	154
Illinois	995	992	993	1, 020	1, 005	983	972	930	932	958	1, 040	1, 044	1, 067
New Jersey	241	219	229	232	231	243	255	251	225	225	244	280	257
Pennsylvania	391	375	357	354	389	380	372	370	362	375	465	449	449

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	49
Reporting expenditures for plant and equipment	29
Value of products:	
Total for the industry	$42, 917, 034
Reporting expenditures for plant and equipment	38, 826, 060
Expenditures for plant and equipment:	
Total for the industry	1, 344, 941
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	367, 733
Expenditures for new machinery and operating equipment	932, 596
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	5, 072
Expenditures unclassified	39, 540

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, 468, 621	$4, 488, 765
Finished products	3, 946, 144	2, 278, 961
Materials, supplies, etc.	3, 522, 477	2, 209, 804
End of year, total	7, 352, 171	5, 707, 861
Finished products	3, 690, 523	2, 789, 046
Materials, supplies, etc.	3, 661, 648	2, 918, 815
Value of products for the industry, total	42, 917, 034	37, 177, 059
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	42, 917, 034	37, 177, 059
Value for establishments not reporting inventories		

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	49
Number of establishments reporting power equipment	49
Prime movers, aggregate:	
Number	33
Horsepower	8, 753
Prime movers, steam turbines, driving generators—	
Number	3
Horsepower	7, 333
Prime movers not driving generators, total—	
Number	30
Horsepower	1, 420
Steam engines—	
Number	16
Horsepower	995
Steam turbines—	
Number	11
Horsepower	414
Internal-combustion engines,[2] other than Diesel and semi-Diesel—	
Number	3
Horsepower	11
Generators, driven by steam turbines, kilowatt rating	5, 500
Electric motors, total:	
Number	2, 474
Horsepower	27, 808
Driven by purchased energy—	
Number	1, 790
Horsepower	16, 671
Driven by energy generated in establishments reporting—	
Number	684
Horsepower	11, 137
Electric energy (kilowatt-hours):	
Generated in plant	33, 471, 280
Purchased	20, 008, 851

[1] Comparable data for 1929 not available. [2] Gas, gasoline, etc.

PLASTIC MATERIALS

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

Description of the industry.—This industry, as classified for census purposes, includes establishments primarily engaged in the manufacture of plastic materials and synthetic resins such as casein, cellulose acetate, nitrocellulose plastics, and phenolic resins, etc. The industry does not include the fabrication of finished products made of purchased plastic materials. As this industry was first made a separate classification for the 1939 census, the reports for 1937 were retabulated 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 [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	38	6,966	$9,839,935	$40,563,524	$77,653,314	$37,089,790	11,342
1937 [4]	34	7,283	9,481,773	35,713,142	66,955,407	31,242,265	([5])

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] No comparable data for prior years.
[5] 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 [1]
Number of establishments [2]	38	13	25
Proprietors and firm members	1	1	
Persons reported by manufacturing establishments, total [3]	10,080	5,269	4,811
Salaried officers of corporations [3]	44	11	33
Manufacturing:			
Salaried employees [3]	2,017	1,104	913
Wage earners (average for the year) [4]	6,966	3,779	3,187
Distribution	429	205	224
Construction	612	168	444
Other	12	2	10
Salaries and wages, total [3]	$16,916,989	$8,533,049	$8,383,940
Salaried officers [3]	503,226	114,485	388,741
Manufacturing:			
Salaries [3]	4,254,643	2,356,967	1,897,676
Wages	9,839,935	5,110,577	4,729,358
Distribution	1,248,324	678,002	570,322
Construction	1,049,064	262,752	786,312
Other	21,797	10,266	11,531
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	40,563,524	16,845,932	23,717,592
Materials, supplies, and containers	38,332,809	16,181,521	22,151,288
Fuel	1,396,547	347,428	1,049,119

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

ITEM	United States	New Jersey	Other States [1]
Cost of materials, supplies, containers, fuel, etc.—Continued.			
Purchased electric energy	$654,237	$269,949	$384,288
Contract work	179,931	47,034	132,897
Value of products	77,653,314	33,336,642	44,316,672
Value added by manufacture [5]	37,089,790	16,490,710	20,599,080

[1] Connecticut, 3 establishments; Delaware, 1; Illinois, 4; Massachusetts, 4; Michigan, 1; New York, 8; Ohio, 1; Pennsylvania, 3.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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
Plastic Materials industry, all products, total value	$77,653,314	$66,955,407
Plastic materials made in this industry	62,857,435	52,417,797
Miscellaneous products not specified	731,288	
Other products not classified in this industry	[1] 14,064,591	14,537,610
Plastic materials, total value	77,979,875	61,877,690
Plastic materials made in this industry	62,857,435	52,417,797
Plastic materials made as secondary products in other industries	15,122,440	9,459,893

[1] Includes value of miscellaneous chemicals, wrapping materials, fabricated plastic products, pyroxylin lacquers, etc.

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

[Data for the production of wrapping materials are not included]

PRODUCT	1939	1937	NUMBER OF ESTABLISHMENTS, BY STATES, 1939
Total value	$77,979,875	$61,877,690	
Nitrocellulose (pyroxylin) sheets, rods, and tubes:			
Number of establishments	10	11	Conn., 1; Mass., 3; N. J., 4; N. Y., 2.
Total production, not including finished articles, pounds	13,357,116	18,122,788	
Made and consumed in same establishments, pounds	2,149,479	3,271,971	
Produced for sale—			
Pounds	11,207,637	14,850,817	
Value	$8,495,519	$12,526,206	
Cellulose acetate:			
Sheets, rods, and tubes, not including finished articles—			
Number of establishments	7	6	Mass., 1; N. J., 4; N. Y., 1; Tenn., 1.
Pounds	8,743,139	18,923,663	
Value	$6,588,247	$12,199,744	
Molding composition—			
Number of establishments	7	(1)	Mass., 1; N. J., 5; Tenn., 1.
Pounds	11,537,032		
Value	$5,222,946		
Coal-tar resins:			
Total pounds	[2] 136,885,088	[2] 131,568,162	
Total value	[2] $26,372,357	[2] $23,583,627	
Derived from—			
Phenol and/or cresol—			
Number of establishments	21	20	Ill., 1; Md., 1; Mass., 2; Mich., 1; N. J., 7; N. Y., 6; Pa., 3.
Pounds	79,178,482	89,944,210	
Value	$18,783,626	$16,762,554	
Phthalic anhydride—			
Number of establishments	10	10	Ill., 1; Mich., 1; Mo., 1; N. J., 3; N. Y., 1; Pa., 2; Wis., 1.
Pounds	30,100,847	25,561,432	
Value	$4,928,391	$4,530,695	
Other coal-tar resins—			
Number of establishments	11	9	Ill., 2; Mass., 1; Mich., 1; N. J., 1; N. Y., 2; Pa., 4.
Pounds	27,605,759	16,062,520	
Value	$2,660,340	$2,290,378	
Other plastics and synthetic resins, including synthetic rubber, value [3]	$31,300,806	[4] $13,569,113	

[1] Data not available.
[2] Includes data for an indeterminable amount of materials used as fillers, such as wood flour, etc. See also Tariff Commission Report No. 140 entitled "Synthetic Organic Chemicals, United States Production and Sales, 1939."
[3] Includes photographic-film base, rubber substitutes, and ethyl cellulose.
[4] Revised.

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

	Pounds	Value
Nitrocellulose, total	11,207,637	$8,495,519
New Jersey	8,055,695	6,592,381
Conn., Mass., N. Y.	3,151,942	1,903,138
Coal-tar resins, from phenol and/or cresol, total	79,178,482	18,783,626
New Jersey	38,348,392	10,769,102
New York	15,528,900	4,269,784
Ill., Md., Mass., Mich., Pa.	25,301,190	3,744,740
Other coal-tar resins, total	27,605,759	2,660,340
Pennsylvania	22,936,250	1,967,700
Mass., N. J., N. Y.	4,034,522	568,106
Ill., Mich.	634,987	124,534

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	6,966	6,451	6,679	6,778	6,716	6,697	6,701	6,884	6,938	7,097	7,467	7,659	7,521
1937	7,283	6,963	7,087	7,413	7,741	7,720	7,550	7,375	7,396	7,365	7,296	6,980	6,506
Illinois	34	31	31	31	35	35	34	33	33	36	36	35	34
Massachusetts	882	871	940	914	865	885	819	839	830	819	892	954	959
New Jersey	3,779	3,398	3,524	3,631	3,601	3,575	3,633	3,749	3,770	3,932	4,163	4,203	4,173
New York	1,570	1,480	1,507	1,521	1,532	1,513	1,529	1,579	1,617	1,606	1,661	1,704	1,585
Pennsylvania	404	392	395	398	396	395	397	401	400	399	398	437	446

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	38
Reporting expenditures for plant and equipment	33
Value of products:	
Total for the industry	$77,653,314
Reporting expenditures for plant and equipment	77,335,175
Expenditures for plant and equipment:	
Total for the industry	4,407,802
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	925,424
Expenditures for new machinery and operating equipment	3,353,106
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	129,047
Expenditures unclassified	225

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

	1939	1937
Inventories:		
Beginning of year, total	$12,960,944	$13,772,837
Finished products	6,638,415	5,764,426
Materials, supplies, etc	6,322,529	8,008,411
End of year, total	13,593,027	16,829,051
Finished products	6,343,011	7,544,098
Materials, supplies, etc	7,250,016	9,284,953
Value of products for the industry, total	77,653,314	66,955,407
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	77,545,740	66,849,161
Value for establishments not reporting inventories	107,574	106,246

TABLE 9.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	38
Number of establishments reporting power equipment	38
Prime movers, aggregate:	
Number	46
Horsepower	11,342
Prime movers, driving generators, total—	
Number	9
Horsepower	6,088
Steam turbines—	
Number	7
Horsepower	5,860
Internal-combustion engines,[2] other than Diesel and semi-Diesel—	
Number	2
Horsepower	228
Prime movers, driving generators, ordinarily idle (included above), horsepower	308
Prime movers not driving generators, total—	
Number	37
Horsepower	5,254
Steam engines—	
Number	12
Horsepower	1,893
Steam turbines—	
Number	18
Horsepower	2,964
Prime movers—Continued.	
Prime movers, driving generators—Continued.	
Diesel and semi-Diesel engines—	
Number	1
Horsepower	90
Other internal-combustion engines [2]—	
Number	6
Horsepower	307
Prime movers not driving generators, ordinarily idle (included above), horsepower	532
Generators, kilowatt rating, total	4,457
Generators, driven by—	
Steam turbines, kilowatt rating	4,310
Internal-combustion engines,[2] other than Diesel and semi-Diesel, kilowatt rating	147
Generators, ordinarily idle (included above), kilowatt rating	207
Electric motors, total:	
Number	9,021
Horsepower	61,830
Driven by purchased energy—	
Number	6,790
Horsepower	40,292
Driven by energy generated in establishments reporting—	
Number	2,231
Horsepower	21,538
Electric energy (kilowatt-hours):	
Generated in plant	38,840
Sold	272,400
Purchased	72,034,024

[1] Comparable data for 1929 not available.

[2] Gas, gasoline, etc.

EXPLOSIVES

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

Description of the industry.—This industry, as classified for census purposes, embraces establishments engaged primarily in the manufacture of explosives, such as nitroglycerin, dynamite, blasting and smokeless powder, safety fuses, detonating caps, etc. The classification does not cover the production of ammunition or of fireworks, which are assigned to the Ammunition and Fireworks industries, respectively.

Change in classification of products.—Figures for 1937 have been revised to include establishments engaged primarily in the manufacture of blasting and detonating caps formerly classified in the "Ammunition" industry and safety fuses which were formerly classified in the "Fireworks and allied products" industry. A special tabulation was made of the 1937 reports in order to obtain figures comparable with 1939.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	80	7,242	$10,964,498	$26,860,347	$71,053,206	$44,192,859	20,246
1937 [4]	85	7,240	10,926,458	27,596,880	67,343,187	39,746,307	([5])

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] Revised. No comparable figures for earlier years.
[5] 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	Kentucky	Missouri	Ohio	Oklahoma	Pennsylvania	Texas	Other States [1]
Number of establishments [2]	80	5	7	3	3	9	3	17	3	30
Proprietors and firm members	7		1							6
Persons reported by manufacturing establishments, total [3]	8,315	718	404	55	344	189	10	1,562	8	5,025
Salaried officers of corporations [3]	25	4				9		6		6
Manufacturing:										
Salaried employees [3]	776	95	35	2	40	11		164		429
Wage earners (average for the year) [4]	7,242	586	369	53	302	167	5	1,349	4	4,407
Distribution	57	4				2	5	16	4	26
Construction	209	29			2			27		151
Other	6									6
Salaries and wages, total [3]	$13,721,116	$1,232,478	$703,944	$72,469	$546,941	$263,798	$23,965	$2,289,732	$17,090	$8,570,699
Salaried officers [3]	130,987	38,850				35,037		23,175		33,925
Manufacturing:										
Salaries [3]	2,193,151	251,456	121,784	5,000	116,024	38,409		425,242		1,235,236
Wages	10,964,498	877,082	582,160	67,469	425,174	186,962	10,765	1,758,307	5,390	7,050,589
Distribution	140,248	7,244				3,390	13,200	42,456	11,700	62,258
Construction	287,763	57,246			5,743			40,552		184,222
Other	4,469									4,469
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	26,860,347	2,815,288	1,995,683	95,757	1,276,730	646,946	58,911	4,622,429	87,290	15,261,313
Materials, supplies, and containers	25,178,879	2,701,028	1,890,024	84,596	1,202,254	608,965	58,617	4,384,980	86,653	14,161,762
Fuel	1,020,805	50,477	71,234	1,721	32,064	16,913	294	128,461	637	719,004
Purchased electric energy	660,663	63,783	34,425	9,440	42,412	21,068		108,988		380,547
Value of products	71,053,206	6,808,204	4,659,323	301,302	2,603,164	1,366,202	465,641	10,945,847	647,193	43,256,330
Value added by manufacture [5]	44,192,859	3,992,916	2,663,640	205,545	1,326,434	719,256	406,730	6,323,418	559,903	27,995,017

[1] Alabama, 2 establishments; Arizona, 1; Arkansas, 1; Colorado, 2; Connecticut, 1; Indiana, 1; Iowa, 1; Massachusetts, 1; Michigan, 3; New Jersey, 5; New York, 2; Oregon, 1; Tennessee, 1; Utah, 1; Washington, 4; West Virginia, 2; Wisconsin, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons employed—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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 [1]
"Explosives" industry, all products, total value	$71,053,206	$67,343,187
Explosives (including consumption in shooting wells on contract) made in this industry [2]	63,227,143	60,095,957
Miscellaneous products, not specified	210,917	7,247,230
Other products (not classified in this industry)	[3] 7,615,146	
Explosives (including consumption in shooting wells on contract), aggregate value [2]	63,734,420	60,095,957
Explosives made in the "Explosives" industry [2]	63,227,143	60,095,957
Explosives made as secondary products in other industries	507,277	

[1] Revised.
[2] Amount received for shooting wells is treated as the value of nitroglycerin used for this purpose.
[3] Includes, in order of value, ammunition, other than for small arms, mixed and nitric acids, and other chemicals.

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

PRODUCT	1939	1937
Total value [1]	$63,734,420	$60,095,957
Dynamite:		
Pounds	257,326,065	256,647,677
Value	$26,026,539	$26,949,869

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

PRODUCT	1939	1937
Permissible explosives [2]:		
Pounds	76,438,168	71,289,248
Value	$7,734,454	$7,466,338
Nitroglycerin:		
Made for sale as such—		
Pounds	347,328	
Value	$69,340	[3] 3,433,594
Made and consumed in shooting wells, pounds	1,703,791	[3] $1,636,919
Amount received for shooting wells on contract, value [1]	$2,064,143	
Blasting powder:		
Pounds	29,440,225	32,192,875
Value	$1,768,732	$2,009,925
Pellet powder:		
Pounds	26,670,405	33,423,657
Value	$1,604,806	$2,137,152
Fuse powder:		
Pounds		2,438,775
Value		$438,109
Gunpowder (black and smokeless) and other explosives not specified above	[3] $12,494,986	$8,126,673
Blasting and detonating caps, value	$9,470,073	$8,615,218
Safety fuses, value	$2,501,347	$2,715,754

[1] Amount received for shooting wells is treated as the value of nitroglycerin used for this purpose.
[2] Those approved by the Bureau of Mines, Department of the Interior, as suitable for use in mines where dust and gas explosions are likely to occur.
[3] Combined to avoid disclosing data reported by individual establishments.

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	7,242	6,623	6,622	6,611	6,536	6,644	6,911	7,096	7,285	7,790	8,144	8,291	8,346
1937 [1]	7,240	7,070	7,001	6,986	7,259	7,242	7,357	7,415	7,518	7,469	7,388	7,147	7,022
California	586	505	510	515	531	578	607	601	622	625	630	655	659
Illinois	369	348	353	347	333	346	353	370	379	402	404	399	392
Kentucky	53	53	52	53	49	53	64	53	52	51	57	53	51
Michigan	102	96	96	96	96	97	96	103	103	112	109	110	104
Missouri	302	244	252	243	242	296	322	332	349	341	357	327	324
New Jersey	2,439	2,219	2,194	2,198	2,194	2,194	2,266	2,355	2,409	2,660	2,816	2,887	2,881
Ohio	167	163	151	164	169	156	156	172	169	176	171	178	175
Oklahoma	5	5	5	5	5	5	5	5	5	7	7	4	4
Pennsylvania	1,349	1,259	1,272	1,255	1,249	1,242	1,284	1,303	1,355	1,398	1,469	1,524	1,581
Texas	4	2	2	4	2	4	2	2	4	6	6	6	4
Washington	284	232	267	267	240	261	263	264	279	341	362	315	319

[1] Revised.

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	80
Reporting expenditures for plant and equipment	61
Value of products:	
Total for the industry	$71,053,206
Reporting expenditures for plant and equipment	69,533,934
Expenditures for plant and equipment:	
Total for the industry	3,105,182
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	1,844,338
Expenditures for new machinery and operating equipment	1,257,347
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	3,497

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

	1939	1937[1]
Inventories:		
Beginning of year, total	$10,859,961	$11,106,653
Finished products	4,511,940	4,309,337
Materials, supplies, etc	6,348,021	6,797,316
End of year, total	12,852,863	12,584,395
Finished products	4,990,630	5,470,465
Materials, supplies, etc	7,862,233	7,113,930
Value of products for the industry, total	71,053,206	67,343,187
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	71,039,837	67,258,632
Value for establishments not reporting inventories	13,369	84,555

[1] Revised.

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939[1]

	1939
Number of establishments	80
Number of establishments reporting power equipment	80
Prime movers, aggregate:	
Number	131
Horsepower	20,246
Prime movers, driving generators, total—	
Number	62
Horsepower	15,886
Steam engines—	
Number	39
Horsepower	5,881
Steam turbines—	
Number	14
Horsepower	8,625
Diesel and semi-Diesel engines—	
Number	1
Horsepower	300
Hydroturbines and water wheels—	
Number	8
Horsepower	1,080
Prime movers, driving generators, ordinarily idle (included above), horsepower	4,498
Prime movers not driving generators, total—	
Number	69
Horsepower	4,360
Steam engines—	
Number	58
Horsepower	4,217
Prime movers—Continued.	
Prime movers not driving generators—Continued.	
Steam turbines—	
Number	4
Horsepower	40
Internal-combustion engines,[2] other than Diesel and semi-Diesel—	
Number	7
Horsepower	103
Prime movers not driving generators, ordinarily idle (included above), horsepower	145
Generators, kilowatt rating, total	10,651
Generators, driven by—	
Steam engines, kilowatt rating	3,856
Steam turbines, kilowatt rating	5,850
Diesel and semi-Diesel engines, kilowatt rating	200
Hydroturbines and water wheels, kilowatt rating	745
Generators, ordinarily idle (included above), kilowatt rating	2,970
Electric motors, total:	
Number	5,105
Horsepower	55,481
Driven by purchased energy—	
Number	3,108
Horsepower	33,509
Driven by energy generated in establishments reporting—	
Number	1,997
Horsepower	21,972
Electric energy (kilowatt-hours):	
Generated in plant	13,177,489
Sold	1,208,558
Purchased	72,390,706

[1] Comparable data for 1929 not available.

[2] Gas, gasoline, etc.

SALT

[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 commercial salt from rock salt or from natural and artificial brine. The mining of rock salt is not considered a manufacturing industry for this census, therefore the 1937 statistics have been revised to exclude the operations of seven plants which produced rock salt without further refining, but there are no figures available for earlier years. No data are included for the salt content of brine produced and used in the same plant in the manufacture of chemicals.

No detailed statistics on quantity and value of salt produced are compiled by the Census Bureau as such statistics are published annually by the United States Bureau of Mines.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	40	3,737	$4,235,484	$9,568,742	$27,530,172	$17,961,430	51,447
1937 [4]	39	3,846	4,479,552	10,249,080	27,909,013	17,659,933	([5])

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] No comparable data for years prior to 1937.
[5] 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	Kansas	New York	Ohio	West Virginia	Other States [1]
Number of establishments [2]	40	5	4	5	3	23
Proprietors and firm members	4					4
Persons reported by manufacturing establishments, total [3]	4,555	603	728	777	146	2,301
Salaried officers of corporations [3]	30	3	4	14	2	7
Manufacturing:						
Salaried employees [3]	377	52	50	71	13	191
Wage earners (average for the year) [4]	3,737	512	592	483	121	2,029
Distribution	234	22	5	192	2	13
Construction	168	10	74	15	8	61
Other	9	4	3	2		
Salaries and wages, total [3]	$5,927,903	$722,569	$900,144	$1,209,391	$115,335	$2,980,464
Salaried officers [3]	238,343	21,613	32,741	133,083	13,000	37,906
Manufacturing:						
Salaries [3]	827,292	96,443	124,074	135,806	14,903	456,066
Wages	4,235,484	532,186	648,721	656,040	73,743	2,324,794
Distribution	345,788	43,595	12,031	262,661	3,194	24,307
Construction	264,390	23,354	80,036	19,814	7,700	133,486
Other	16,606	5,378	2,541	1,987	2,795	3,905
Cost of materials, supplies, containers, fuel, and purchased electric energy, total	9,568,742	1,154,423	1,705,515	1,326,758	140,415	5,241,631
Materials, supplies, and containers	7,338,580	941,084	1,333,867	894,927	70,141	4,098,561
Fuel	2,088,071	175,241	371,648	428,952	68,354	1,043,876
Purchased electric energy	142,091	38,098		2,879	1,920	99,194
Value of products	27,530,172	3,067,139	4,662,684	3,198,694	250,738	16,350,917
Value added by manufacture [5]	17,961,430	1,912,716	2,957,169	1,871,936	110,323	11,109,286

[1] California, 12 establishments; Louisiana, 2; Michigan, 6; Minnesota, 1; Texas, 1; Utah, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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

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

No detailed production statistics are compiled by the Census Bureau; therefore, no figures are given for the above tables. Production of salt is published annually by the Bureau of Mines.

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	3,737	3,595	3,542	3,541	3,569	3,612	3,499	3,648	3,770	4,018	4,200	4,047	3,805
1937	3,846	3,708	3,672	3,649	3,716	3,708	3,692	3,787	3,969	4,072	4,055	4,104	4,014
California	321	279	263	292	305	288	284	309	301	357	425	395	358
Kansas	512	533	528	526	524	524	531	527	481	501	496	487	485
Michigan	1,053	985	1,007	972	1,011	1,075	1,045	1,038	1,086	1,120	1,153	1,084	1,063
New York	592	567	561	568	560	561	580	593	616	631	671	624	575
Ohio	483	495	468	468	464	468	470	470	491	494	508	501	496
West Virginia	121	128	122	122	118	122	120	106	122	126	115	125	124

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	40
Reporting expenditures for plant and equipment	35
Value of products:	
Total for the industry	$27,530,172
Reporting expenditures for plant and equipment	26,141,424
Expenditures for plant and equipment:	
Total for the industry	1,503,289
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	657,316
Expenditures for new machinery and operating equipment	792,041
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	53,932

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

	1939	1937
Inventories:		
Beginning of year, total	$2,741,830	$3,029,499
Finished products	590,433	703,606
Materials, supplies, etc.	2,151,397	2,325,893
End of year, total	3,134,800	3,000,024
Finished products	632,398	632,726
Materials, supplies, etc.	2,502,402	2,367,298
Value of products for the industry, total	27,530,172	27,909,013
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	27,031,772	27,360,110
Value for establishments not reporting inventories	498,400	548,903

TABLE 8.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	40
Number of establishments reporting power equipment	37
Prime movers, aggregate:	
Number	232
Horsepower	51,447
Prime movers, driving generators, total—	
Number	55
Horsepower	34,639
Steam engines—	
Number	20
Horsepower	6,926
Steam turbines—	
Number	34
Horsepower	27,313
Diesel and semi-Diesel engines—	
Number	1
Horsepower	400
Prime movers, driving generators, ordinarily idle (included above), horsepower	3,752
Prime movers not driving generators, total—	
Number	177
Horsepower	16,808
Steam engines—	
Number	93
Horsepower	9,605
Steam turbines—	
Number	82
Horsepower	6,983
Prime movers—Continued.	
Prime movers not driving generators—Continued.	
Internal-combustion engines,[2] other than Diesel and semi-Diesel—	
Number	2
Horsepower	220
Prime movers not driving generators, ordinarily idle (included above), horsepower	2,264
Generators, kilowatt rating, total	25,646
Generators, driven by—	
Steam engines, kilowatt rating	5,191
Steam turbines, kilowatt rating	20,205
Diesel and semi-Diesel engines, kilowatt rating	250
Generators, ordinarily idle (included above), kilowatt rating	2,586
Electric motors, total:	
Number	4,119
Horsepower	38,490
Driven by purchased energy—	
Number	974
Horsepower	9,033
Driven by energy generated in establishments reporting—	
Number	3,145
Horsepower	29,457
Electric energy (kilowatt-hours):	
Generated in plant	55,792,387
Sold	2,250,398
Purchased	12,006,490

[1] Comparable data for 1929 not available.

[2] Gas, gasoline, etc.

COMPRESSED AND LIQUEFIED GASES—NOT MADE IN PETROLEUM REFINERIES OR IN NATURAL-GASOLINE PLANTS

[A preliminary report for this industry was issued October 23, 1940]

Description of the industry.—This industry, as classified for census purposes, embraces establishments engaged primarily in the manufacture of gas for sale usually in compressed, liquefied, or solid form, such as acetylene, hydrocarbon gases, oxygen, carbon dioxide (dry ice), etc. In some cases carbon dioxide for the manufacture of dry ice and hydrogen for the manufacture of ammonia and other commodities delivered through pipe lines for very short distances are included.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1927 TO 1939

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	379	3,960	$5,853,935	$13,532,407	$53,364,936	$39,832,529	21,243
1937	356	4,655	6,590,844	14,243,865	56,417,673	42,173,808	[5]
1935	330	3,788	4,408,205	11,239,281	42,018,950	30,779,669	[6]
1933	326	2,763	3,154,300	8,585,707	32,007,108	23,421,401	[5]
1931	349	2,844	3,895,612	10,134,507	41,806,112	31,671,605	[5]
1929	354	3,390	5,378,211	14,528,603	52,189,779	37,661,176	9,288
1927 [7]	313	3,212	4,947,577	11,748,839	50,547,395	38,798,556	7,582

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] Data not available.
[7] No figures available for years prior to 1927.

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

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

ITEM	United States	California	Colorado	Florida	Georgia	Illinois	Indiana	Louisiana	Maryland	Massachusetts	Michigan	Minnesota	Missouri
Number of establishments [1]	379	29	6	5	7	20	12	13	6	9	16	11	13
Proprietors and firm members	14	5	3	----	----	2	----	----	----	----	----	----	----
Persons reported by manufacturing establishments, total [2]	6,450	489	68	48	70	417	234	167	101	184	259	154	243
Salaried officers of corporations [2]	68	7	3	----	----	5	5	----	----	----	----	1	----
Manufacturing:													
Salaried employees [2]	725	50	11	7	10	27	45	17	13	20	31	18	26
Wage earners (average for the year) [3]	3,960	260	34	38	46	233	151	93	67	124	176	81	132
Distribution	1,665	168	20	3	14	152	33	55	21	40	52	54	85
Construction	27	3	----	----	----	----	----	----	----	----	----	----	----
Other	5	1	----	----	----	----	----	2	----	----	----	----	----
Salaries and wages, total [2]	$11,465,251	$956,090	$120,198	$64,585	$102,211	$713,886	$415,796	$273,071	$176,986	$327,892	$494,345	$294,691	$409,370
Salaried officers [2]	485,112	84,533	11,900	----	----	14,750	43,797	----	----	----	----	14,800	----
Manufacturing:													
Salaries [2]	1,686,534	117,064	26,849	17,642	24,141	61,885	94,638	39,337	32,052	48,739	72,263	45,926	62,137
Wages	5,853,935	395,112	52,649	40,820	54,191	358,445	241,151	116,029	96,266	189,194	300,894	118,587	187,729
Distribution	3,420,741	353,959	28,800	6,123	23,879	278,806	36,210	116,023	48,668	89,959	121,188	115,378	159,504
Construction	15,047	4,592	----	----	----	----	----	----	----	----	----	----	----
Other	3,882	830	----	----	----	----	----	1,682	----	----	----	----	----
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	13,532,407	893,595	274,034	105,865	189,771	746,093	642,206	261,794	260,701	431,675	694,153	412,275	461,960
Materials, supplies, and containers	10,084,364	662,071	234,746	80,033	161,324	542,247	451,920	216,537	208,207	344,519	500,610	335,019	376,836
Fuel	398,536	39,572	2,806	105	518	15,554	9,050	2,557	3,748	7,061	10,189	13,712	10,479
Purchased electric energy	3,043,962	190,895	36,482	25,727	27,929	188,292	181,236	42,700	48,746	80,095	183,354	63,544	74,645
Contract work	5,545	1,057	----	----	----	----	----	----	----	----	----	----	----
Value of products	53,364,936	3,219,298	701,461	414,234	599,689	3,673,428	2,679,942	1,023,843	853,069	1,547,000	2,868,221	1,198,723	1,934,102
Value added by manufacture [4]	39,832,529	2,325,703	427,427	308,369	409,918	2,927,335	2,037,736	762,049	592,368	1,115,325	2,174,068	786,448	1,472,142

See footnotes at end of table.

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

ITEM	New Jersey	New York	Ohio	Oklahoma	Pennsylvania	Tennessee	Texas	Utah	Virginia	Washington	West Virginia	Wisconsin	Other States [5]
Number of establishments [1]	14	16	35	7	38	10	27	5	9	9	7	10	45
Proprietors and firm members								1					3
Persons reported by manufacturing establishments, total [2]	520	307	726	73	795	102	335	55	172	101	185	112	531
Salaried officers of corporations [3]	4		8	2	6		9	3	3	3		4	5
Manufacturing:													
Salaried employees [3]	37	27	68	11	78	11	41	8	24	19	32	15	79
Wage earners (average for the year) [3]	269	228	450	44	553	64	192	42	101	58	139	64	319
Distribution	210	52	199	16	145	27	93		34	21	14	29	128
Construction			1		13				10				
Other								2					
Salaries and wages, total [2]	$961,063	$536,310	$1,294,938	$127,687	$1,409,815	$135,827	$592,743	$81,288	$302,140	$191,658	$332,130	$196,178	$954,353
Salaried officers [3]	46,999		58,386	1,975	35,692		57,604	6,862	63,600	16,200		5,300	22,714
Manufacturing:													
Salaries [3]	101,989	69,560	169,192	27,137	168,797	21,547	90,498	17,645	52,041	39,563	71,515	34,307	180,070
Wages	400,391	352,210	657,036	56,789	872,810	71,748	264,791	55,411	126,229	93,006	216,014	94,011	442,422
Distribution	411,684	114,540	409,019	41,786	329,366	42,532	179,850		54,270	42,889	44,601	62,560	309,147
Construction			1,305		3,150				6,000				
Other								1,370					
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	1,161,958	553,846	1,216,449	148,521	1,714,239	171,078	489,841	119,635	293,316	194,243	639,051	260,782	1,195,326
Materials, supplies, and containers	927,899	407,095	784,736	117,461	1,183,251	110,783	339,106	91,128	212,144	156,894	523,616	193,483	922,699
Fuel	16,962	16,362	38,632	2,689	19,289	884	31,564	2,963	6,463	1,489	94,429	7,466	43,993
Purchased electric energy	217,097	130,389	393,081	28,371	511,699	59,411	119,171	25,544	74,709	35,860	21,006	55,345	228,634
Contract work												4,488	
Value of products	4,328,047	2,830,410	5,577,974	490,592	7,924,082	760,991	2,033,040	362,814	1,148,332	770,275	1,629,561	935,813	3,859,995
Value added by manufacture [4]	3,166,089	2,276,564	4,361,525	342,071	6,209,843	589,913	1,543,199	243,179	855,016	576,032	990,510	675,031	2,664,669

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Alabama, 7 establishments; Arizona, 2; Arkansas, 2; Connecticut, 2; Iowa, 5; Kansas, 6; Kentucky, 5; Montana, 2; Nebraska, 4; New Mexico, 2; North Carolina, 2; Oregon, 3; South Dakota, 1; Wyoming, 2.

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

	1939	1937	1929
Compressed and Liquefied Gases—Not Made in Petroleum Refineries or in Natural-Gasoline Plants industry, all products, total value	$53,364,936	$56,417,673	$52,189,779
Compressed and liquefied gases made in this industry	51,150,220	[1] 54,169,137	[1] 51,031,528
Miscellaneous products not specified	1,759,441	[1] 2,248,536	[1] 1,158,251
Other products (not classified in this industry)	[2] 455,275		
Compressed and liquefied gases, aggregate value	58,384,616	[1] 59,871,528	[1] 52,532,998
Compressed and liquefied gases made in this industry	51,150,220	[1] 54,169,137	[1] 51,031,528
Compressed and liquefied gases made as secondary products in other industries	7,234,396	[1] 5,702,391	[1] 1,501,470

[1] Revised.
[2] Includes value of liquefied petroleum gases, etc.

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

[Statistics for ammonia (anhydrous), chlorine, methyl chloride, and sulphur dioxide are now included in the "Chemicals Not Elsewhere Classified" industry, and statistics for liquefied petroleum gases are included in the "Petroleum Refining" industry]

PRODUCT	1939	1937	1929	NUMBER OF ESTABLISHMENTS, BY STATES, 1939
Total value	$58,384,616	[1] $59,871,528	[1] $52,532,998	
Carbon dioxide (not including "dry ice"):				
Number of establishments	61	61	54	Ala., 2; Calif., 6; Colo., 1; Fla., 2; Ga., 1; Ill., 3; Ind., 2; La., 1; Md., 1; Mass., 2; Mich., 2; Minn., 1; Mo., 2; N. J., 5; N. Y., 5; N. C., 1; Ohio, 5; Pa., 4; Tenn., 2; Tex., 5; Utah, 2; Va., 4; Wash., 1; Wis., 1.
Pounds	105,682,909	100,715,662	136,930,311	
Value	$4,683,836	$4,939,508	$6,931,735	
Solidified carbon dioxide ("dry ice") [2]:				
Number of establishments	44	42		Ala., 1; Calif., 6; Colo., 1; Fla., 1; Ga., 1; Ill., 3; Ind., 1; La., 2; Mass., 2; Mich., 1; Minn., 1; Mo., 2; N. J., 2; N. Mex., 1; N. Y., 3; Ohio, 3; Pa., 5; Tenn., 1; Tex., 2; Utah, 1; Va., 2; Wash., 2.
Pounds	356,893,516	313,217,310	(3)	
Value	$5,532,315	$4,618,937		
Hydrogen:				
Number of establishments	43	41	44	Ark., 1; Calif., 4; Ga., 1; Ill., 2; Ind., 2; Ky., 1; Mass., 1; Mich., 2; Mo., 1; N. J., 4; N. Y., 5; Ohio, 3; Oreg., 1; Pa., 5; Tenn., 2; Tex., 2; Va., 2; Wash., 2; Wis., 2.
M cubic feet	1,124,168	1,103,177	207,843	
Value	$1,549,103	$1,848,529	$1,423,456	
Hydrocarbon gases:				
Acetylene—				
Number of establishments	131	130	104	Ala., 2; Ariz., 1; Ark., 1; Calif., 9; Colo., 2; Fla., 1; Ga., 3; Ill., 6; Ind., 7; Iowa, 3; Kans., 4; Ky., 1; La., 5; Md., 2; Mass., 4; Mich., 8; Minn., 4; Mo., 2; Nebr., 2; N. J., 6; N. Mex., 1; N. Y., 3; Ohio, 12 Okla., 3; Oreg., 1; Pa., 13; S. Dak., 1; Tenn., 3; Tex., 8; Utah, 1; Va., 3; Wash., 3; W. Va., 3; Wis., 2; Wyo., 1.
M cubic feet	1,291,205	1,511,445	969,534	
Value	$16,606,634	$19,166,420	$16,553,763	
Other hydrocarbon gases, value	$944,044	$813,775	$2,447,196	
Nitrous oxide:				
Number of establishments	11	11	9	Calif., 2; Md., 1; Mich., 1; Mo., 1; N. J., 3; N. Y., 1; Ohio, 2.
M gallons	95,577	97,768	109,812	
Value	$858,514	$1,114,113	$1,196,392	
Oxygen:				
Number of establishments	185	170	178	Ala., 3; Ariz., 1; Ark., 1; Calif., 12; Colo., 3; Conn., 2; Fla., 2; Ga., 2; Ill., 9; Ind., 6; Iowa, 2; Kans., 2; Ky., 2; La., 6; Md., 3; Mass. 3; Mich., 8; Minn., 5; Mo., 6; Mont., 1; Nebr., 2; N. J., 7; N. Y., 9; N. C., 1; Ohio, 20; Okla., 5; Oreg., 2; Pa., 20; Tenn., 7; Tex., 14; Utah, 2; Va., 5; Wash., 4; W. Va., 2; Wis., 5; Wyo., 1.
M cubic feet, total	4,561,968	4,441,391	3,140,095	
Liquefaction process	4,452,209	4,318,410	2,816,641	
Electrolytic process	109,759	122,981	323,454	
Value	$24,015,233	$26,072,822	$23,409,606	
Other gases, value [4]	$4,194,937	$1,297,424	$570,850	

[1] Revised; see headnote.
[2] Includes data for carbon dioxide piped to plants for making "dry ice." Quantities thus piped in 1939 and 1937 (estimated) were 15,000,000 pounds and 17,000,000 pounds, respectively.
[3] No data.
[4] Includes value of carbon fluorides for 1939 but not for 1937 or 1929.

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

	Quantity	Value
	Pounds	
Solidified carbon dioxide ("dry ice"), total	356,893,516	$5,532,315
California	23,541,361	421,032
Pennsylvania	55,782,952	938,656
Ala., Colo., Fla., Ga., Ill., Ind., La., Mass., Mich., Minn., Mo., N. J., N. Mex., N. Y., Ohio, Tenn., Texas, Utah, Va., Wash.	277,569,203	4,172,627
	M cubic feet	
Oxygen, total	4,561,968	24,015,233
California	209,006	1,129,000
Illinois	298,925	1,562,586
Louisiana	62,786	467,535
Michigan	241,612	1,134,004
Minnesota	72,922	536,803
Missouri	117,899	702,270
New Jersey	187,878	1,201,411
Ohio	717,167	3,444,184
Oklahoma	39,281	296,859
Pennsylvania	933,981	4,650,788
Tennessee	59,830	425,929
Texas	144,515	943,346
Virginia	68,526	476,857
Washington	38,681	260,036
Wisconsin	84,780	516,862
Ala., Ariz., Ark., Colo., Conn., Fla., Ga., Ind., Iowa, Kans., Ky., Md., Mass., Mont., Nebr., N. Y., N. C., Oreg., Utah., W. Va., Wyo	1,284,179	6,266,643

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	3,960	3,813	3,807	3,817	3,848	3,882	3,999	4,009	4,061	4,039	4,053	4,102	4,087
1937	4,655	4,296	4,375	4,450	4,639	4,856	4,919	4,943	4,881	4,936	4,800	4,515	4,256
1929	3,390	3,093	3,172	3,222	3,329	3,382	3,463	3,537	3,577	3,557	3,480	3,454	3,412
California	260	253	246	258	262	265	268	270	273	267	257	252	246
Colorado	34	33	32	32	32	31	34	34	33	34	32	39	37
Florida	38	35	46	35	38	35	37	36	41	36	37	38	40
Georgia	46	45	44	45	47	51	47	48	47	47	45	45	46
Illinois	233	235	222	222	225	227	240	228	223	256	251	235	233
Indiana	151	142	140	134	137	139	149	152	145	166	160	172	180
Kansas	28	31	28	26	26	27	28	28	30	28	27	28	28
Louisiana	93	96	98	94	95	91	87	92	93	92	91	92	94
Maryland	67	67	64	63	63	63	64	64	64	65	71	76	76
Massachusetts	124	118	123	124	121	117	132	131	133	125	120	126	123
Michigan	176	159	171	167	180	187	199	183	197	180	164	162	164
Minnesota	81	71	73	73	78	83	85	87	87	85	84	82	83
Missouri	132	129	138	133	134	132	132	138	135	132	131	128	126
New Jersey	269	264	265	270	282	287	292	276	281	267	248	252	242
New York	228	217	211	213	210	219	230	239	241	234	234	243	245
Ohio	450	445	433	431	430	426	430	440	463	455	480	483	486
Oklahoma	44	44	43	46	46	45	45	44	42	43	42	43	44
Pennsylvania	553	492	494	509	512	512	546	556	571	573	627	625	621
Tennessee	64	65	64	65	65	65	65	65	64	63	63	65	62
Texas	192	189	187	190	190	194	187	197	192	192	195	200	197
Utah	42	38	39	37	40	40	45	51	44	41	41	44	44
Virginia	101	110	108	108	101	102	102	95	97	99	96	102	95
Washington	58	53	54	55	54	60	63	62	64	61	56	54	58
West Virginia	139	141	137	141	140	134	135	133	135	140	141	144	143
Wisconsin	64	63	64	63	59	64	65	65	67	65	65	65	62

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	379
Reporting expenditures for plant and equipment	167
Value of products:	
Total for the industry	$53,364,936
Reporting expenditures for plant and equipment	23,766,450
Expenditures for plant and equipment:	
Total for the industry	2,061,082
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	611,715
Expenditures for new machinery and operating equipment	1,339,366
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	110,001

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

	1939	1937
Inventories:		
Beginning of year, total	$2,353,457	$2,171,099
Finished products	1,079,233	878,781
Materials, supplies, etc.	1,274,224	1,292,318
End of year, total	2,574,328	2,544,823
Finished products	1,146,852	1,182,545
Materials, supplies, etc.	1,427,476	1,362,278
Value of products for the industry, total	53,364,936	56,417,673
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	52,940,217	55,431,263
Value for establishments not reporting inventories	424,719	986,410

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

	1939	1929
Number of establishments	379	354
Number of establishments reporting power equipment	377	320
Prime movers, aggregate:		
Number	106	101
Horsepower	21,243	9,288
Prime movers, driving generators, total—		
Number	30	101
Horsepower	6,050	9,288
Steam engines—		
Number	5	[1] 72
Horsepower	1,125	[1] 6,373
Steam turbines—		
Number	2	[1] 6
Horsepower	1,265	[1] 843

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	12	[1] 17
Horsepower	2,480	[1] 846
Other internal-combustion engines [2]—		
Number	8	
Horsepower	580	
Hydroturbines and water wheels—		
Number	3	[1] 6
Horsepower	600	[1] 1,226
Prime movers, driving generators, ordinarily idle (included above), horsepower	195	
Prime movers not driving generators, total—		
Number	76	
Horsepower	15,193	
Steam engines—		
Number	47	
Horsepower	6,394	
Steam turbines—		
Number	6	
Horsepower	137	[3]
Diesel and semi-Diesel engines—		
Number	2	
Horsepower	195	
Other internal-combustion engines [2]—		
Number	20	
Horsepower	8,367	
Hydroturbines and water wheels—		
Number	1	
Horsepower	100	
Generators, kilowatt rating, total	4,174	2,729
Generators, driven by—		
Steam engines, kilowatt rating	893	
Steam turbines, kilowatt rating	900	
Diesel and semi-Diesel engines, kilowatt rating	1,572	[3]
Other internal-combustion engines,[2] kilowatt rating	309	
Hydroturbines and water wheels, kilowatt rating	500	
Generators, ordinarily idle (included above), kilowatt rating	30	[4]
Electric motors, total:		
Number	3,721	2,256
Horsepower	103,886	77,760
Driven by purchased energy—		
Number	3,497	2,156
Horsepower	99,888	76,005
Driven by energy generated in establishments reporting—		
Number	224	100
Horsepower	3,998	1,755
Electric energy (kilowatt-hours):		
Generated in plant	11,182,373	[4]
Purchased	412,547,411	236,632,416

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

BONE BLACK, CARBON BLACK, AND LAMPBLACK

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

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of bone black, carbon black, and lampblack. Bone black, also known as "char" or animal charcoal, is produced by the carbonization of bone in retorts; carbon black, by the imperfect combustion of natural gas; and lampblack by the imperfect combustion of coal or wood tar, petroleum, rosin, etc.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, and purchased electric energy	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	53	1,574	$2,001,097	$6,103,427	$14,626,876	$8,523,449	6,870
1937	62	2,190	2,711,599	7,235,671	18,853,576	11,617,905	(4)
1935	55	1,828	1,936,570	5,334,329	14,811,298	9,476,969	(5)
1933	48	1,449	1,205,529	4,010,163	8,506,709	4,496,546	(4)
1931	62	1,039	1,344,223	5,021,874	9,535,203	4,513,329	(4)
1929	77	1,915	2,583,253	9,096,098	20,169,722	11,073,624	6,732
1927	67	1,553	2,047,044	6,571,019	14,261,775	7,690,756	6,353
1925	66	1,505	1,721,779	5,654,965	14,564,982	8,910,017	6 457
1923	68	1,303	1,460,868	5,294,567	14,599,872	9,305,305	4,955
1921	45	826	979,845	3,745,146	8,180,844	4,435,698	(4)
1919	35	675	808,332	2,848,059	6,186,204	3,338,145	1,366
1914	27	339	230,821	686,240	1,463,569	777,329	1,713
1909	27	228	149,327	444,608	1,093,494	648,886	1,013
1904	25	200	105,159	203,396	647,717	444,321	1,085
1899	15	85	46,107	105,712	359,787	254,075	365

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, and purchased electric energy. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] Not called for on schedule.
[5] Data not available.

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

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

ITEM	United States	Louisiana	Texas	Other States [1]
Number of establishments [2]	53	6	37	10
Proprietors and firm members	1			1
Persons reported by manufacturing establishments, total [3]	1,909	233	1,440	236
Salaried officers of corporations [3]	17	1	12	4
Manufacturing:				
Salaried employees [3]	191	21	141	29
Wage earners (average for the year) [4]	1,574	211	1,200	163
Distribution	26		3	23
Construction	95		82	13
Other	6		2	4
Salaries and wages, total [3]	$2,718,209	$262,769	$2,122,432	$333,008
Salaried officers [3]	125,825	1,925	107,400	16,500
Manufacturing:				
Salaries [3]	408,475	44,325	303,690	60,460
Wages	2,001,097	216,519	1,589,788	194,790
Distribution	51,482		16,541	34,941
Construction	124,015		103,098	20,917
Other	7,315		1,915	5,400
Cost of materials, supplies, containers, fuel, and purchased electric energy, total	6,103,427	859,197	4,653,858	590,372
Materials, supplies, and containers	5,772,570	838,352	4,397,885	536,333
Fuel	22,877		1,303	21,574
Purchased electric energy	307,980	20,845	254,670	32,465
Value of products	14,626,876	2,093,920	11,123,048	1,409,908
Value added by manufacture [5]	8,523,449	1,234,723	6,469,190	819,536

[1] California, 2 establishments; Massachusetts, 1; New Jersey, 1; Oklahoma, 3; Pennsylvania, 3.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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, 1937, AND 1929

	1939	1937	1929
Bone Black, Carbon Black, and Lampblack industry, all products, total value	$14,626,876	$18,853,576	$20,169,722
Bone black, carbon black, and lampblack	14,383,609	18,554,724	18,462,283
Miscellaneous products not specified	2,439	298,852	1,707,439
Other products (not classified in this industry)	[1] 240,828		
Bone black, carbon black, and lampblack, total value	14,927,209	19,578,693	22,400,524
Bone black, carbon black, and lampblack made in this industry	14,383,609	18,554,724	18,462,283
Bone black, carbon black, and lampblack made as secondary products in other industries	543,600	1,023,969	3,938,241

[1] Principally value of bone meal, bone grease, and oil.

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

PRODUCT	1939	1937	1929
Bone black, carbon black, and lampblack, total:			
Pounds	562,735,186	551,487,116	431,484,543
Value	$14,927,209	$19,578,693	$22,400,524
Bone black—			
Pounds	29,726,998	35,571,397	54,277,051
Value	$1,388,760	$1,717,160	$2,490,090
Carbon black [1]—			
Pounds	525,166,000	510,606,343	366,442,000
Value	$12,857,000	$17,389,000	$18,725,186
Lampblack—			
Pounds	7,842,188	5,309,376	10,765,492
Value	$681,449	$472,533	$1,185,248

[1] From reports of the United States Bureau of Mines, Department of the Interior.

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	1,574	1,437	1,601	1,573	1,579	1,514	1,509	1,562	1,554	1,619	1,591	1,660	1,684
1937	2,190	1,946	2,120	2,372	2,289	2,364	2,518	2,315	2,336	2,231	1,939	1,973	1,879
1929	1,915	1,844	1,804	1,879	1,861	1,935	1,920	1,946	1,938	2,016	1,998	1,927	1,913
Louisiana	211	195	215	205	206	206	207	205	210	208	221	231	221
Oklahoma	44	38	41	45	41	40	38	38	39	43	40	65	55
Texas	1,200	1,073	1,231	1,228	1,222	1,157	1,151	1,202	1,182	1,253	1,195	1,230	1,271

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	53
Reporting expenditures for plant and equipment	39
Value of products:	
Total for the industry	$14,626,876
Reporting expenditures for plant and equipment	11,866,691
Expenditures for plant and equipment:	
Total for the industry	1,222,572
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	225,073
Expenditures for new machinery and operating equipment	873,859
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	123,640

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

	1939	1937
Inventories:		
Beginning of year, total	$3,642,856	$2,802,370
Finished products	3,155,600	2,294,829
Materials, supplies, etc	487,256	507,541
End of year, total	3,157,307	2,997,340
Finished products	2,572,324	2,349,669
Materials, supplies, etc	584,983	647,671
Value of products for the industry, total	14,626,876	18,853,576
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	14,626,876	18,846,622
Value for establishments not reporting inventories	----------	6,954

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

	1939	1929
Number of establishments	53	77
Number of establishments reporting power equipment	50	75
Prime movers, aggregate:		
Number	137	244
Horsepower	6,870	6,732
Prime movers, driving generators, total—		
Number	16	[1] 244
Horsepower	2,876	[1] 6,732
Steam engines—		
Number	8	[1] 135
Horsepower	846	[1] 4,281

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

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators—Continued.		
Steam turbines—		
Number	4	----------
Horsepower	1,883	----------
Diesel and semi-Diesel engines—		
Number	----------	[1] 108
Horsepower	----------	[1] 2,371
Other internal-combustion engines [2]—		
Number	4	
Horsepower	145	
Hydroturbines and water wheels—		
Number	----------	[1] 1
Horsepower	----------	[1] 80
Prime movers, driving generators, ordinarily idle (included above), horsepower	335	----------
Prime movers not driving generators, total—		
Number	121	
Horsepower	3,994	
Steam engines—		
Number	3	
Horsepower	70	
Steam turbines—		
Number	36	[3]
Horsepower	1,767	
Diesel and semi-Diesel engines—		
Number	----------	
Horsepower	----------	
Other internal-combustion engines [2]—		
Number	82	
Horsepower	2,157	
Prime movers not driving generators, ordinarily idle (included above), horsepower	412	[3]
Generators, kilowatt rating, total	2,188	1,360
Generators, driven by—		
Steam engines, kilowatt rating	623	
Steam turbines, kilowatt rating	1,500	[3]
Other internal-combustion engines,[2] kilowatt rating	65	
Generators, ordinarily idle (included above), kilowatt rating	240	[4]
Electric motors, total:		
Number	1,321	311
Horsepower	8,652	5,120
Driven by purchased energy—		
Number	1,273	255
Horsepower	8,418	4,536
Driven by energy generated in establishments reporting—		
Number	48	56
Horsepower	234	584
Electric energy (kilowatt-hours):		
Generated in plant	2,050,830	[4]
Purchased	29,240,306	5,257,130

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

CHEMICALS NOT ELSEWHERE CLASSIFIED

[A preliminary report for this industry was issued October 19, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of synthetic, organic, and inorganic chemicals, including finished coal-tar products; industrial chemicals by electrochemical and electrometallurgical processes such as carbide; sodium and magnesium metals, ferro-alloys; acids; alkalis and salts and chemicals of all kinds by other processes not elsewhere classified.

The production of aluminum formerly classified in this industry is now classified in the Primary Smelting and Refining of Nonferrous Metals industry. The 1937 reports were adjusted to obtain figures comparable with those for 1939, but there are no comparable figures for earlier years.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	543	60,268	$94,883,557	$368,635,583	$839,750,366	$471,114,783	1,149,347
1937 [4]	515	66,657	100,620,277	369,388,366	773,008,139	403,619,773	(5)

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] No comparable figures for prior years.
[5] 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	Florida	Illinois	Indiana	Iowa	Louisiana	Maryland	Massachusetts	Michigan	New Jersey
Number of establishments [1]	543	58	5	30	11	3	11	10	12	23	79
Proprietors and firm members	57	6	1	2	2			1	3	2	4
Persons reported by manufacturing establishments, total [2]	83,063	4,272	126	3,642	1,737	381	1,589	1,290	843	7,344	16,871
Salaried officers of corporations [2]	430	41		28	1	3	1	12	5	36	60
Manufacturing:											
Salaried employees [2]	13,646	720	14	553	339	46	208	189	63	1,141	3,126
Wage earners (average for the year) [3]	60,268	2,985	106	2,574	1,392	325	1,269	1,016	526	5,368	11,796
Distribution	2,051	182	3	42	3	7		10	15	224	653
Construction	6,104	298	2	441			111	63	221	550	980
Other	564	46	1	4	2				13	25	256
Salaries and wages, total [2]	$148,148,149	$7,873,349	$137,311	$6,027,128	$3,071,322	$605,015	$3,134,458	$1,976,954	$1,447,365	$14,065,950	$32,456,301
Salaried officers [2]	3,641,400	242,148		217,198	4,200	37,000	6,084	90,647	49,943	295,579	479,954
Manufacturing:											
Salaries [2]	34,579,910	1,899,048	29,216	1,358,203	823,914	111,923	606,528	416,855	152,771	2,905,357	7,985,539
Wages	94,883,557	4,700,127	96,001	3,771,123	2,232,939	439,121	1,902,417	1,331,387	807,581	9,659,966	20,059,764
Distribution	4,606,542	464,604	9,979	75,851	8,872	16,971		38,731	38,915	359,776	1,627,216
Construction	9,500,545	485,119	2,000	598,387			619,429	99,334	377,030	780,718	1,892,115
Other	936,195	82,303	115	6,366	1,397				21,125	64,554	411,713
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	368,635,583	15,523,003	317,113	19,832,872	9,303,273	2,382,908	11,627,522	6,198,986	4,468,611	19,903,699	82,681,042
Materials, supplies, and containers	320,066,525	12,885,615	278,059	18,312,579	8,803,216	1,334,461	10,150,496	5,436,294	4,112,748	13,428,257	77,534,313
Fuel	31,757,103	1,651,834	31,863	1,343,534	393,428	69,928	748,509	646,692	218,505	5,544,454	3,841,585
Purchased electric energy	16,560,926	971,474	7,191	175,400	106,629	978,519	641,673	116,000	137,358	917,783	1,305,744
Contract work	251,029	14,080		1,359			86,844			13,205	
Value of products	839,750,366	38,435,566	771,830	39,301,461	17,230,468	3,918,842	32,506,506	12,545,574	7,470,222	59,518,193	192,184,743
Value added by manufacture [4]	471,114,783	22,912,563	454,717	19,468,589	7,927,195	1,535,934	20,878,984	6,346,588	3,001,611	39,614,494	109,503,101

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	Virginia	West Virginia	Wisconsin	Other States [5]
Number of establishments [1]	84	49	46	6	9	12	14	12	7	62
Proprietors and firm members	7	9	5	1		1			1	12
Persons reported by manufacturing establishments, total [2]	12,836	6,282	4,885	236	3,044	886	3,018	7,195	183	6,403
Salaried officers of corporations [2]	113	26	38	12	9	3	7	7	8	20
Manufacturing:										
Salaried employees [2]	2,300	865	783	24	331	123	452	1,387	29	953
Wage earners (average for the year) [3]	9,358	5,008	3,033	131	2,129	703	2,430	4,532	113	4,874
Distribution	313	94	159	30	27	12	61	11	33	172
Construction	675	249	253	3	533	42	65	1,258		360
Other	77	40	19	36	15	3	3			24
Salaries and wages, total [2]	$24,407,880	$10,414,966	$8,287,297	$348,651	$4,177,383	$1,183,442	$4,506,928	$13,371,960	$322,906	$10,331,583
Salaried officers [2]	1,293,032	276,830	282,554	48,425	77,476	16,604	42,670	57,950	32,391	90,715
Manufacturing:										
Salaries [2]	6,237,772	2,079,078	1,852,432	49,257	808,176	314,221	1,274,718	3,261,154	69,694	2,344,054
Wages	15,008,001	7,277,418	5,595,271	170,315	2,679,920	774,654	3,039,769	8,067,250	169,197	7,101,336
Distribution	734,192	261,069	319,154	32,182	80,860	46,612	85,423	26,396	51,624	328,115
Construction	980,412	446,373	221,038	3,623	522,872	24,590	47,856	1,959,210		440,439
Other	154,471	74,198	16,848	44,849	8,079	6,761	16,492			26,924
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	52,703,899	29,722,390	33,713,336	607,561	9,575,569	2,439,856	13,887,441	23,962,793	505,361	29,277,748
Materials, supplies, and containers	43,430,864	25,240,142	31,744,415	501,589	7,526,589	2,133,278	11,040,919	19,747,314	379,245	26,046,132
Fuel	4,127,633	3,797,795	1,324,312	47,904	865,548	237,465	2,085,493	2,898,922	73,247	1,808,452
Purchased electric energy	5,071,822	678,423	644,299	58,068	1,183,432	69,113	761,029	1,260,936	52,869	1,423,164
Contract work	73,580	6,030	310					55,621		
Value of products	122,306,542	60,931,764	61,000,429	1,164,736	25,639,499	6,479,090	33,554,440	57,076,756	1,524,607	66,189,098
Value added by manufacture [4]	69,602,643	31,209,374	27,287,093	557,175	16,063,930	4,039,234	19,666,999	33,113,963	1,019,246	36,911,350

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Alabama, 5 establishments; Arkansas, 1; Colorado, 3; Connecticut, 4; Delaware, 2; District of Columbia, 1; Georgia, 3; Kansas, 4; Kentucky, 2; Maine, 2; Minnesota, 4; Missouri, 11; Montana, 2; New Hampshire, 2; North Carolina, 1; Oklahoma, 3; South Carolina, 5; Utah, 2; Washington, 4; Wyoming, 1.

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

	1939	[1] 1937
"Chemicals Not Elsewhere Classified" industry, all products, total value	$839,750,366	$773,008,139
Chemicals made in this industry	705,511,949	653,027,804
Miscellaneous products, not specified	23,534,742	119,980,335
Receipts for contract work	1,379,820	
Other products (not classified in this industry)	[2] 109,323,855	
Chemicals, aggregate value	760,184,343	708,744,673
Chemicals made in this industry	705,511,949	653,027,804
Chemicals made as secondary products in other industries	54,672,394	55,716,869

[1] Revised.
[2] Value of coal-tar products, plastic materials, compressed and liquefied gases, agricultural insecticides, ammonium nitrate solutions, colors and pigments, reclaimed rubber, etc.

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

PRODUCT	1939	1937	NUMBER OF ESTABLISHMENTS, BY STATES, 1939
Aggregate value	$760,184,343	[1] $708,744,673	
Acetates, total value	$22,900,559	[1] $19,860,545	
Butyl:			
Number of establishments	8	9	Calif., 1; Ill., 1; Md., 1; Mass., 1; N. J., 1; Pa., 1; W. Va., 2.
Gallons	9,725,821	9,316,128	
Value	$4,497,379	$5,084,985	
Chromium:			
Number of establishments	5	4	Ind., 1; Mass., 1; N. C., 1; N. J., 1; Ohio, 1.
Pounds (basis 8½ to 12% Cr_2O_3)	359,807	811,587	
Value	$15,754	$37,459	
Ethyl:			
Number of establishments	11	10	Calif., 1; Ill., 1; Ind., 1; Md., 1; Mass., 2; Mich., 1; N. J., 2; Pa., 1; W. Va., 1.
Gallons	6,843,317	6,946,081	
Value	$2,387,698	$2,919,201	
Lead:			
Number of establishments	4	4	N. J., 3; N. Y., 1.
Pounds	1,742,640	1,957,811	
Value	$170,357	$206,888	
Sodium:			
Number of establishments	9	7	Mich., 1; Mo., 2; N. J., 1; N. Y., 3; Pa., 1; Tenn., 1.
Pounds	8,568,675	6,169,383	
Value	$323,393	$244,003	
Other acetates, value	[2] $15,505,978	$11,368,009	
Acetone:			
Number of establishments	8	9	Calif., 2; Ill., 1; Ind., 1; Md., 2; Pa., 1; W. Va., 1.
Pounds	91,918,597	84,369,475	
Value	$2,941,432	$2,845,436	
Acids, total value	$82,307,848	[1] $85,551,771	
Boric (boracic):			
Number of establishments	3	3	Calif., 3.
Pounds	34,696,000	40,524,000	
Value	$1,491,651	$1,545,304	
Hydrochloric:			
Number of establishments	42	34	Calif., 2; Conn., 1; Del., 1; Ill., 4; Ind., 1; La., 3; Md., 1; Mass., 1; Mich., 4; N. J., 8; N. Y., 5; Ohio, 2; Okla., 1; Pa., 3; Tex., 2; Wash., 1; W. Va., 2.
Total production (basis 100 percent), tons	140,338	121,473	
Made and consumed in same establishments, tons	63,538	50,307	
Made for sale—			
Tons	76,800	71,166	
Value	$3,948,831	$3,987,974	
From salt—			
Number of establishments	21	19	Calif., 1; Conn., 1; Del., 1; Ill., 3; Ind., 1; La., 2; Mass., 1; Mich., 1; N. J., 2; N. Y., 1; Ohio, 2; Okla., 1; Pa., 2; Tex., 2.
Tons	51,401	53,027	
Value	$2,925,444	$3,048,182	
From chlorine, and byproducts and other—			
Number of establishments	19	11	Calif., 1; Ill., 1; Md., 1; Mich., 3; N. J., 4; N. Y., 4; Okla., 1; Pa., 1; Wash., 1; W. Va., 2.
Tons	25,399	18,139	
Value	$1,023,387	$939,792	
Hydrofluoric (basis 100 percent):			
Number of establishments	6	6	Del., 1; Ill., 1; Ind., 1; N. J., 1; Ohio, 1; Pa., 1.
Pounds	4,345,609	4,395,696	
Value	$664,600	$701,314	
Mixed (sulfuric-nitric):			
Number of establishments	19	20	Ala., 1; Colo., 1; Del., 1; Ill., 2; Mass., 1; Mo., 1; N. J., 4; N. Y., 2; Ohio, 1; Pa., 2; Wash., 1; W. Va., 1; Wis., 1.
Tons	56,517	54,432	
Value	$2,696,993	$2,484,864	
Nitric:			
Number of establishments	27	30	Ala., 2; Ariz., 1; Calif., 3; Colo., 1; Del., 1; Ill., 3; Ind., 1; Mass., 1; Mich., 1; Mo., 1; N. J., 4; N. Y., 2; Pa., 4; Wash., 1; Wis., 1.
Total production (basis 100 percent), tons	167,740	175,860	
Made and consumed in same establishments, tons	133,169	140,450	
Made for sale—			
Tons	34,571	35,410	
Value	$3,184,912	$3,052,576	
Oleic:			
Number of establishments	11	12	Ill., 1; N. J., 2; Ohio, 6; Pa., 1; Wis., 1.
Pounds	42,902,304	38,086,776	
Value	$3,029,193	$3,604,790	
Oxalic:			
Number of establishments	5	4	Ill., 1; Mo., 1; N. J., 1; N. Y., 2.
Pounds	8,265,490	10,197,652	
Value	$868,351	$1,086,878	
Phosphoric:			
Number of establishments	10	10	Ala., 1; Ill., 1; Mont., 1; N. J., 2; N. Y., 1; S. C., 2; Tenn., 1; Va., 1.
Tons (basis 50 percent H_3PO_4)	76,910	39,125	
Value	$3,035,333	$1,785,785	
Pyrogallic:			
Number of establishments	3	3	Mo., 1; N. Y., 2.
Pounds	54,623	118,669	
Value	$64,322	$138,326	
Stearic:			
Number of establishments	10	12	Ill., 1; N. J., 2; Ohio, 6; Pa., 1.
Pounds	33,195,528	31,888,647	
Value	$3,550,189	$3,656,422	

See footnotes at end of table.

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

PRODUCT	1939	1937	NUMBER OF ESTABLISHMENTS, BY STATES, 1939
Acids—Continued.			
Sulfuric:			
Number of establishments [8]	153	157	Ala., 8; Ariz., 2; Calif., 6; Colo., 1; Conn., 1; Del., 1; Fla., 4; Ga., 13; Ill., 10; Ind., 3; Ky., 1; La., 5; Md., 5; Mass., 2; Mich., 3; Miss., 3; Mo., 2; Mont., 1; N. J., 9; N. Y., 3; N. C., 8; Ohio, 12; Okla., 2; Pa., 14; R. I., 1; S. C., 8; Tenn., 4; Tex., 5; Utah, 1; Va., 9; Wash., 1; W. Va., 2; Wis., 2; Wyo., 1.
Total production (basis 50° Baumé), tons	7,711,487	7,946,695	
Made and consumed in same establishments, tons	2,558,642	2,228,103	
Made for sale—			
Tons	5,152,845	5,718,592	
Value	$37,730,541	$42,197,855	
Production by process—			
Contact—			
Number of establishments	70	70	Ala., 2; Ariz., 1; Calif., 6; Colo., 1; Conn., 1; Del., 1; Fla., 1; Ill., 5; Ind., 3; Ky., 1; La., 2; Md., 2; Mass., 1; Mich., 1; Mo., 2; N. J., 6; N. Y., 2; Ohio, 5; Okla., 2; Pa., 10; R. I., 1; Tenn., 1; Tex., 4; Utah, 1; Va., 3; Wash., 1; W. Va., 1; Wis., 2; Wyo., 1.
Total production, tons	4,300,480	3,802,951	
Made and consumed in same establishments, tons	1,394,647	800,433	
Made for sale—			
Tons	2,905,833	3,002,518	
Value	$22,775,858	$23,650,589	
Chamber—			
Number of establishments	95	98	Ala., 6; Ariz., 1; Conn., 1; Fla., 3; Ga., 13; Ill., 5; Ind., 1; La., 3; Md., 5; Mass., 1; Mich., 2; Miss., 3; Mont., 1; N. J., 5; N. Y., 2; N. C., 8; Ohio, 9; Pa., 6; S. C., 8; Tenn., 4; Tex., 1; Va., 6; W. Va., 1.
Total production, tons	3,411,007	4,143,744	
Made and consumed in same establishments, tons	1,163,995	1,427,670	
Made for sale—			
Tons	2,247,012	2,716,074	
Value	$14,954,683	$18,547,266	
Tannic:			
Number of establishments	6	4	Mass., 1; Mo., 1; N. J., 2; N. Y., 1; N. C., 1.
Pounds (basis 100 percent)	838,286	1,015,914	
Value	$347,396	$381,847	
Tartaric:			
Number of establishments	3	4	Calif., 1; N. Y., 2.
Pounds	9,814,781	10,642,838	
Value	$2,600,682	$2,484,625	
Other acids, value	[4] $19,094,854	[1] $18,443,211	
Alcohols:			
Butyl—			
Number of establishments	8	8	Calif., 2; Ill., 1; Md., 1; N. J., 1; Pa., 1; W. Va., 2.
Pounds	66,903,538	79,933,577	
Value	$4,707,910	$5,866,588	
Methyl, synthetic—			
Number of establishments	5	4	Ill., 1; Md., 1; N. Y., 1; Okla., 1; W. Va., 1.
Gallons	[5] 34,146,669	31,606,320	
Value	$9,319,752	$8,619,238	
Ethyl and other alcohols, value [6]	$26,558,205	$35,819,524	
Ammonia, anhydrous [7]:			
Number of establishments	9	[1] 9	Calif., 2; Mass., 1; Mich., 2; N. Y., 1; Pa., 1; Va., 1; W. Va., 1.
Pounds	227,219,049	[1] 216,141,910	
Value	$8,470,900	[1] $7,787,636	
Ammonia, aqua and liquor [8]			
Number of establishments	17	34	Calif., 2; Mass., 1; Mich., 2; Mo., 1; N. J., 2; N. Y., 3; Ohio, 1; Pa., 2; Va., 1; W. Va., 1.
Pounds (NH_3 content)	31,305,077	[1] 26,000,866	
Value	$1,438,234	[1] $1,382,768	
Bicarbonates and carbonates, total value	$42,290,099	$43,088,703	
Sodium bicarbonate, refined:			
Number of establishments	6	5	Mich., 1; N. Y., 1; Ohio, 3; Va., 1.
Tons (basis 100 percent)	148,610	142,161	
Value	$3,839,018	$3,606,271	
Bismuth subcarbonate:			
Number of establishments	5	5	Mo., 1; N. J., 1; N. Y., 3.
Pounds	241,817	247,609	
Value	$352,638	$313,426	
Calcium carbonate (precipitated chalk):			
Number of establishments	9	8	Kans., 1; Md., 1; Mass., 1; Mich., 1; N. J., 1; Ohio, 2; Pa., 1; Va., 1.
Tons	70,504	71,235	
Value	$1,645,707	$1,667,280	
Copper carbonate:			
Number of establishments	5	6	Calif., 1; N. J., 2; Ohio, 2.
Pounds (52 percent metallic content)	605,101	814,163	
Value	$96,229	$121,776	
Magnesium carbonate, precipitated:			
Number of establishments	5	7	Calif., 1; Pa., 4.
Tons	5,679	6,505	
Value	$646,981	$788,215	
Sal soda:			
Number of establishments	24	21	Calif., 9; Colo., 1; Ill., 1; Kans., 1; Mass., 1; Mo., 2; N. J., 3; N. Y., 2; Ohio, 1; R. I., 1; Wash., 1; Wis., 1.
Tons	29,971	33,064	
Value	$755,609	$768,659	
Soda ash:			
Number of establishments [9]	16	17	Calif., 3; La., 2; Md., 1; Mich., 2; N. Y., 1; Ohio, 2; Pa., 1; Tex., 1; Va., 2; W. Va., 1..
Total production, tons	2,960,722	3,037,421	
Made and consumed in same establishments, tons	815,021	713,662	
Made for sale—			
Total tons	2,145,701	2,323,759	
Total value	$32,862,016	$33,768,770	
By process—			
Ammonia soda—			
Number of establishments	9	9	La., 2; Mich., 2; N. Y., 1; Ohio, 2; Tex., 1; Va., 1.
Tons	2,012,804	2,205,006	
Value	$31,106,153	$32,306,416	
Natural and electrolytic soda [10]—			
Number of establishments	6	7	Calif., 3; Md., 1; Pa., 1; Va., 1.
Tons	132,897	118,753	
Value	$1,755,863	$1,462,354	
Zinc carbonate:			
Number of establishments	4		N. J., 1; Ohio, 2; Pa., 1.
Pounds	288,873	$2,054,306	
Value	$31,064		
Other bicarbonates and carbonates, value	[11] $2,060,837		

See footnotes at end of table.

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

PRODUCT	1939	1937	NUMBER OF ESTABLISHMENTS, BY STATES, 1939
Bismuth subgallate:			
Number of establishments	6	6	Mo., 1; N. J., 2; N. Y., 3.
Pounds	43,347	40,861	
Value	$62,285	$55,270	
Bromides, total value	$9,521,712	$7,057,218	
Sodium:			
Number of establishments	4		Mich., 3; N. Y., 1.
Pounds	1,343,992	(12)	
Value	$281,654		
Other bromides, value	$9,240,058		
Bromine:			
Number of establishments	11		Calif., 1; Mich., 5; Ohio, 1; W. Va., 4.
Pounds	2,228,852	(13)	
Value	$506,705		
Calcium carbide:			
Number of establishments	7	6	Ala., 1; Iowa, 2; Kans., 1; Mich., 1; N. Y., 1; Va., 1.
Tons	167,592	192,670	
Value	$8,494,613	$9,842,378	
Carbon, activated:			
Number of establishments	9	8	Fla., 1; La., 1; Md., 1; Mich., 1; Ohio, 1; Pa., 2; Tex., 1; Va., 1.
Tons	16,168	10,655	
Value	$1,881,019	$1,443,936	
Carbon bisulfide:			
Number of establishments	10	10	Calif., 1; Mich., 1; N. Y., 2; Pa., 2; Tenn., 1; W. Va., 1; Va., 2.
Pounds	161,523,747	155,237,735	
Value	$5,185,708	$4,753,748	
Carbon tetrachloride:			
Number of establishments	8	6	Calif., 1; Mich., 2; Mo., 1; N. Y., 1; Ohio, 2; W. Va., 1.
Pounds	84,860,987	78,708,690	
Value	$3,322,811	$3,067,611	
Chlorides, total value	$18,831,107	[1] $19,651,720	
Aluminum (anhydrous, crystal, liquid):			
Number of establishments	13	10	Conn., 1; Ill., 1; Mass., 1; Mich., 1; Mo., 1; N. J., 4; N. Y., 2; Pa., 1; W. Va., 1.
Tons (basis 100 percent)	5,024	4,034	
Value	$788,134	$623,639	
Ammonium (sal ammoniac):			
Number of establishments	8	9	Calif., 1; Ind., 1; Mich., 1; N. J., 1; N. Y., 1; Pa., 2; Ohio, 1.
Pounds	45,522,754	39,599,247	
Value	$2,051,348	$1,821,494	
Calcium [14]:			
Solid—			
Number of establishments	6	5	Mich., 2; Mo., 1; N. J., 1; N. Y., 1; Ohio, 1.
Tons (basis 73 to 75 percent)	5,494	4,882	
Value	$107,725	$85,556	
Flake—			
Number of establishments	4	5	Mich., 2; N. Y., 1; Ohio, 1.
Tons (basis 77 to 80 percent)	215,149	223,641	
Value	$4,074,880	$3,753,744	
Liquid—			
Number of establishments	7	8	Calif., 1; Mich., 3; N. J., 1; N. Y., 1; Ohio, 1.
Tons (basis 75 percent)	18,711	28,927	
Value	$186,985	$209,241	
Gold:			
Number of establishments	5	5	Mo., 1; N. J., 2; N. Y., 1; Pa., 1.
Ounces	1,523	2,903	
Value	$29,177	$57,995	
Iron—ferric and ferrous:			
Number of establishments	13	13	Calif., 1; Mich., 3; Mo., 1; N. J., 2; N. Y., 3; Ohio, 1; Pa., 1; R. I., 1.
Pounds	29,860,643	13,577,650	
Value	$469,663	$374,579	
Mercury (mercuric and mercurous):			
Number of establishments	5	5	Mo., 1; N. J., 3; N. Y., 1.
Pounds	643,253	520,216	
Value	$859,249	$603,574	
Methyl:			
Number of establishments	5	4	Calif., 1; Mo., 1; N. Y., 1; Va., 1; Wis., 1.
Pounds	3,255,335	3,389,125	
Value	$994,758	$1,043,195	
Sulfur:			
Number of establishments	6	7	Calif., 1; Mich., 1; N. Y., 3; W. Va., 1.
Pounds	3,754,885	66,597,534	
Value	$96,517	$993,691	
Tin-stannous:			
Number of establishments	8	7	Del., 1; Mo., 1; N. J., 4; N. Y., 1; Ohio, 1.
Pounds	588,181	460,841	
Value	$230,558	$180,499	
Other chlorides, value	[15] $8,942,113	$9,904,513	
Chlorine:			
Number of establishments	32	25	Calif., 2; Ill., 1; La., 2; Me., 1; Md., 1; Mich., 3; N. H., 1; N. J., 1; N. Y., 8; Ohio, 3; Pa., 1; R. I., 1; Tex., 1; Va., 1; Wash., 2; W. Va., 2; Wis., 1.
Total production, tons [16]	490,256	446,261	
Made and consumed in same establishments, tons	175,126	160,301	
Made for sale—			
Number of establishments	22	22	Calif., 1; Ill., 1; La., 1; Mich., 2; N. H., 1; N. J., 1; N. Y., 5; Ohio, 2; R. I., 1; Tex., 1; Va., 1; Wash., 2; W. Va., 2; Wis., 1.
Tons	315,130	285,960	
Value	$10,468,337	$10,416,672	
Chlorine bleaching compounds, total value	$11,981,532	(17)	
Bleaching powder [18]:			
Number of establishments	8		Md., 1; Mich., 1; N. Y., 4; Ohio, 1; Wis., 1.
Tons (basis 35–37 percent available chlorine)	16,662		
Value	$853,354		
Sodium hypochlorite, and other liquid sodium bleaches, total value	$9,408,160		
Number of establishments	82	(17)	Calif., 7; Conn., 1; Fla., 2; Ga., 1; Ill., 5; Ind., 1; Iowa, 1; Me., 2; Md., 2; Mass., 6; Mich., 7; Minn., 3; Mo., 5; N. C., 1; N. J., 6; N. Y., 11; Ohio, 6; Okla., 1; Pa., 4; R. I., 2; Wash., 3; W. Va., 1; Wis., 4.
Quantity reported:			
Tons (basis 15 percent available chlorine)	56,479		
Value	$6,762,943		
Quantity not reported, value	$2,645,217		
Other lime bleaches, value [19]	$1,720,018		

See footnotes at end of table.

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

PRODUCT	1939	1937	NUMBER OF ESTABLISHMENTS, BY STATES, 1939
Chromates and bichromates, total value [20]	$6,818,672	[1] $6,340,414	
Ammonium:			
Number of establishments	4	4	Mo., 1; N. J., 3.
Pounds	47,956	63,876	
Value	$15,579	$28,434	
Potassium:			
Number of establishments	4	5	Md., 1; N. J., 2; Ohio, 1.
Pounds	4,690,734	4,717,202	
Value	$404,024	$386,369	
Sodium:			
Number of establishments	5	5	Md., 1; N. J., 3; Ohio, 1.
Tons	54,385	48,697	
Value	$6,399,069	$5,925,611	
Citrates, total value	$921,651	$947,701	
Iron-ammonium:			
Number of establishments	4	4	Mo., 1; N. J., 1; N. Y., 1; Pa., 1.
Pounds	280,263	340,863	
Value	$94,836	$108,413	
Potassium:			
Number of establishments	3	3	Mo., 1; N. J., 1; N. Y., 1.
Pounds	159,420	200,573	
Value	$53,681	$72,217	
Other citrates, value	[21] $773,134	$767,071	
Coal-tar products, finished, value [22]	$105,525,361	$91,133,371	
Cyanides, total value	$4,103,133	$4,883,777	
Copper:			
Number of establishments	4	4	N. J., 2; N. Y., 1; Ohio, 1.
Pounds	889,721	738,683	
Value	$297,712	$264,244	
Silver:			
Number of establishments	4		N. J., 3; N. Y., 1.
Ounces	248,532	$4,619,533	
Value	$96,393		
Other cyanides, value	[23] $3,709,028		
Ester gum:			
Number of establishments	18	20	Calif., 2; Conn., 1; Ill., 1; Md., 1; Mass., 1; Mich., 1; N. J., 2; N. Y., 3; Ohio, 2; Pa., 3; Wis., 1.
Pounds	28,221,892	25,589,993	
Value	$1,817,493	$2,212,945	
Ether (ethyl):			
Number of establishments	8	7	Ind., 1; Md., 1, Mo., 1; N. J., 3; Va., 1; W. Va., 1.
Pounds	14,174,053	13,097,484	
Value	$1,354,269	$1,651,846	
Ferro-alloys, electric furnace:			
Number of establishments	23	22	Ala., 1; Fla., 1: Iowa, 1; Minn., 1; N. J., 2; N. Y., 5; Ohio, 2; Pa., 4; Tenn., 4; Va., 1; W. Va., 1.
Tons (2,240 pounds)	278,199	352,318	
Value	$35,202,816	$45,295,278	
Nonferrous alloys, electric furnace:			
Number of establishments	6		Ill., 1; Mich., 1; N. J., 1; N. Y., 2; Ohio, 1.
Quantity	[24]	[13]	
Value	$612,200		
Fluorides, value [25]	[26] $1,776,290	$5,133,706	
Hydroxides, total value	$37,626,476	[1] $34,748,487	
Potassium (caustic):			
Number of establishments	5	5	Calif., 1; N. Y., 3; W. Va., 1.
Tons (basis 100 per cent KOH)	13,856	10,839	
Value	$1,831,272	$1,437,509	
Sodium (caustic):			
Number of establishments	30	30	Calif., 3; Ill., 1; La., 2; Me., 1; Mich., 4; N. H., 1; N. J., 1; N. Y., 6; Ohio, 3; R. I., 1; Tex., 1; Va., 1; Wash., 2; W. Va., 2; Wis., 1.
Total production, tons (basis 76 percent Na_2O) [27]	1,025,011	968,726	
Made and consumed in same establishments, tons	74,854	71,315	
Made for sale—			
Tons	950,157	897,411	
Value	$34,541,479	$32,027,796	
For sale by process—			
Electrolytic—			
Number of establishments	25	24	Calif., 1; Ill., 1; La., 1; Me., 1; Mich., 3; N. H., 1; N. J., 1; N. Y., 6; Ohio, 3; R. I., 1; Tex., 1; Wash., 2; W. Va., 2; Wis., 1.
Tons	426,250	415,477	
Value	$15,094,950	$14,137,170	
Lime-soda—			
Number of establishments	10	11	Calif., 1; La., 2; Mich., 2; N. Y., 1; Ohio, 2; Tex., 1; Va., 1.
Tons	523,907	481,934	
Value	$19,446,529	$17,890,626	
Other hydroxides, value	$1,253,725	[1] $1,283,182	
Iodides, total value	$1,242,005	$793,609	
Potassium:			
Number of establishments	9	8	Calif., 2; Mo., 1; N. J., 3; N. Y., 3.
Pounds	914,926	612,696	
Value	$1,074,653	$599,027	
Sodium:			
Number of establishments	4	4	Mo., 1; N. J., 1; N. Y., 2.
Pounds	39,625	42,062	
Value	$76,463	$81,413	
Thymol:			
Number of establishments	3	3	Mo., 1; N. J., 1; N. Y., 1.
Pounds	6,670	8,402	
Value	$20,009	$27,919	
Other iodides, value	$70,880	$85,250	
Iodine, resublimed:			
Number of establishments	8	8	Calif., 2; Mo., 1; N. J., 2; N. Y., 3.
Pounds	404,344	369,270	
Value	$457,199	$399,088	

See footnotes at end of table.

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

PRODUCT	1939	1937	NUMBER OF ESTABLISHMENTS, BY STATES, 1939
Lactates, value	$222,097	$236,884	
Light alumina hydrate:			
Number of establishments	5		Ill., 1; N. J., 2; Ohio, 1; Pa., 1.
Pounds	3,207,701	(24)	
Value	$357,307		
Linoleates, value	$180,564	$159,143	
Mercury, ammoniated:			
Number of establishments	5	5	N. J., 3; N. Y., 2.
Pounds	54,277	57,230	
Value	$98,586	$100,789	
Mercury, redistilled:			
Number of establishments	6	6	Mo., 1; N. J., 4; Pa., 1.
Pounds	270,713	162,196	
Value	$376,467	$221,801	
Modified sodas:			
Number of establishments	9	10	La., 1; Mich., 2; N. Y., 2; Ohio, 3; Tex., 1.
Tons	32,101	26,497	
Value	$1,265,288	$1,050,953	
Nitrates, except sodium, total value [28]	$8,928,280	[1] $8,835,389	
Ammonium:			
Number of establishments	15	10	Ala., 2; Ariz., 1; Calif., 2; Colo., 1; Ill., 1; Mo., 2; N. J., 4; Pa., 1; Wis., 1.
Pounds	51,935,228	45,560,194	
Value	$1,341,317	$1,130,764	
Bismuth, sub:			
Number of establishments	6	6	Mo., 1; N. J., 2; N. Y., 3.
Pounds	365,522	262,867	
Value	$487,502	$309,678	
Silver (lunar caustic):			
Number of establishments	6	6	Mo., 1; N. J., 2; N. Y., 2; Pa., 1.
Ounces	23,653,296	[1] 23,323,703	
Value	$6,274,506	[1] $6,785,720	
Iron:			
Number of establishments	8		Del., 1; Mass., 1; Mo., 1; N. J., 3; Pa., 1; W. Va., 1.
Pounds	1,020,800	609,227	
Value	33,583		
Other nitrates, except sodium, value	[29] $791,372		
Oxalates, total value	$261,378	$254,439	
Iron:			
Number of establishments	3		Mo., 1; N. J., 1; N. Y., 1.
Pounds	13,683	(12)	
Value	$10,172		
Other oxalates, value	$251,206		
Oxides, total value [30]	$10,140,435	[1] $11,557,108	
Chromium:			
Number of establishments	6	6	N. J., 1; Ohio, 2; Pa., 3.
Pounds	2,870,330	2,875,060	
Value	$665,025	$603,000	
Mercury:			
Number of establishments	4	5	N. J., 3; N. Y., 1.
Pounds	427,207	162,224	
Value	$669,041	$218,075	
Tin:			
Number of establishments	7	7	Ind., 1; N. J., 3; Ohio, 2; Pa., 1.
Pounds	6,621,608	3,323,715	
Value	$2,913,040	$1,707,451	
Other oxides, value [30]	[31] $5,893,329	[1] $9,028,582	
Peroxides, total value	$4,387,041	$4,789,902	
Hydrogen:			
Number of establishments	7	7	Calif., 1; Mich., 1; N. J., 1; N. Y., 4.
Pounds (basis 100 volumes)	21,487,968	22,924,978	
Value	$3,450,217	$3,781,229	
Other peroxides, value	[32] $936,824	$1,008,673	
Phosphates, total value	$20,104,982	[1] $16,118,041	
Calcium:			
Monobasic—			
Number of establishments	10	8	Ala., 1; Del., 1; Ill., 1; Mo., 2; N. J., 1; R. I., 1; S. C., 1; Tenn., 1; Va., 1.
Tons	37,038	38,708	
Value	$4,370,972	$4,960,017	
Dibasic and tribasic—			
Number of establishments	5	4	Ill., 2; Mass., 1; Mich., 1; Mo., 1.
Tons	7,313	[1] 4,354	
Value	$663,640	[1] $395,007	
Sodium:			
Monobasic—			
Number of establishments	8	9	Ala., 1; Ill., 2; Ind., 1; Mo., 2; N. J., 2.
Tons	3,197	2,553	
Value	$436,736	$374,178	
Dibasic—			
Number of establishments	12	12	Ala., 1; Del., 1; Ill., 2; Md., 1; Mo., 1; N. J., 6.
Tons (basic 100 percent Na_2HPO_4)	13,431	[1] 9,987	
Value	$1,207,322	$814,420	

See footnotes at end of table.

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

PRODUCT	1939	1937	NUMBER OF ESTABLISHMENTS, BY STATES, 1939
Phosphates—Continued.			
Sodium—Continued.			
Pyro—			
Number of establishments	8	5	Ala., 1; Del., 1; Ill., 3; N. J., 3.
Tons	47,587	10,288	
Value	$4,673,679	$1,360,882	
Tribasic—			
Number of establishments	13	13	Ala., 1; Calif., 2; Del., 1; Ill., 2; Ind., 1; Mo., 1; N. J., 4; S. C., 1.
Tons	114,687	117,402	
Value	$4,819,809	$4,235,155	
Other phosphates, value	[33] $3,932,824	$3,978,382	
Salicylates, total value	$579,199	$565,690	
Sodium:			
Number of establishments	4		Mich., 1; Mo., 1; N. J., 2.
Pounds	497,423	(12)	
Value	$195,180		
Other salicylates, value	$384,019		
Sodium antimonate:			
Number of establishments	3	4	N. J., 1; Ohio, 1; Pa., 1.
Pounds	4,748,697	4,347,866	
Value	$612,975	$554,047	
Sodium benzoate:			
Number of establishments	6		Ala., 1; Ill., 1; Mich., 1; Mo., 1; N. J., 1; N. Y., 1.
Pounds	1,609,966	(12)	
Value	$500,877		
Sodium hyposulphite (thiosulphate):			
Number of establishments	8	9	Calif., 1; Del., 1; Ill., 2; Ind., 1; N. J., 2; Pa., 1.
Tons	25,714	33,093	
Value	$1,142,087	$1,411,764	
Sodium molybdate:			
Number of establishments	4		Colo., 1; N. J., 1; Pa., 2.
Pounds	210,272	(12)	
Value	$100,433		
Sodium silicate:			
Liquid—			
Number of establishments	25	25	Calif., 4; Ill., 3; Ind., 4; Kans., 1; Md., 1; Mass., 1; Mich., 1; Mo., 1; N. J., 4; N. Y., 2; Ohio, 2; Pa., 1.
Tons (basis 40°)	657,373	600,979	
Value	$7,350,510	$6,786,715	
Solid (including meta, ortho, and sesqui)—			
Number of establishments	14	13	Calif., 2; Ga., 1; Ill., 1; Ind., 2; Kans., 1; La., 1; Mich., 1; N. J., 2; N. Y., 1; Ohio, 1; Pa., 1.
Tons	46,012	40,478	
Value	$1,799,982	$1,568,134	
Sodium silicofluoride:			
Number of establishments	16	15	Calif., 1; Fla., 1; Ill., 1; Ind., 1; Md., 3; Mass., 1; Mont., 1; N. J., 4; N. C., 1; Ohio, 1; Tenn., 1.
Tons	6,443	6,601	
Value	$482,292	$582,723	
Stearates, total value	$1,407,258	$1,773,468	
Aluminum:			
Number of establishments	10	11	Calif., 1; Ky., 1; La., 1; Mo., 1; N. J., 1; N. Y., 2; Ohio, 2; Pa., 1.
Tons	1,806	2,258	
Value	$601,701	$856,771	
Calcium:			
Number of establishments	7	8	Calif., 1; Mo., 1; N. J., 1; N. Y., 2; Ohio, 1; Pa., 1.
Pounds	768,594	980,101	
Value	$154,406	$191,839	
Magnesium:			
Number of establishments	7	6	Calif., 1; Mo., 1; N. J., 1; N. Y., 2; Ohio, 1; Pa., 1.
Pounds	104,689	111,734	
Value	$23,199	$24,623	
Zinc:			
Number of establishments	9	10	Calif., 1; Ky., 1; Mo., 1; N. J., 2; N. Y., 2; Ohio, 1; Pa., 1.
Pounds	2,035,960	2,073,110	
Value	$431,226	$421,463	
Other stearates, value	$196,726	$278,772	
Sulfates, total value [34]	$22,920,030	[1] $25,079,256	
Aluminum (concentrated alum):			
Number of establishments	30	22	Ala., 1; Calif., 2; Colo., 1; Conn., 1; Del., 1; Ga., 1; Ill., 3; La. 2; Md., 1; Mass., 1; Mich., 1; Mo., 1; N. J., 3; Ohio, 4; Pa., 5; S. C., 1; Tenn., 1.
Tons	416,108	393,411	
Value	$8,455,376	$8,958,601	
Aluminum ammonium (ammonia alum):			
Number of establishments	7	8	Del., 1; Ga., 1; Ill., 1; La., 1; Mo., 1; Pa., 2.
Tons	5,065	5,390	
Value	$268,344	$278,037	
Potash and chrome alums:			
Number of establishments	6	6	Del., 1; Ill., 1; Mo., 1; N. J., 2; Pa., 1.
Tons	2,683	3,227	
Value	$168,802	$203,960	
Copper (blue vitriol):			
Number of establishments	13	15	Calif., 3; Idaho, 1; Ill., 1; Mo., 1; Mont., 1; N. J., 1; N. Y., 2; Ohio, 1; Tenn., 1; Tex., 1.
Tons	68,161,761	78,892,091	
Value	$2,773,855	$3,883,409	
Iron (copperas):			
Number of establishments	17	20	Ala., 2; Calif., 1; Conn., 1; Ill., 2; Ind., 1; Mo., 1; N. J., 4; N. Y., 3; Pa., 2.
Tons	35,214	43,916	
Value	$442,573	$447,409	
Magnesium (Epsom salt):			
Number of establishments	4	4	Calif., 1; Md., 1; Mich., 1; N. J., 1.
Tons	47,689	41,369	
Value	$1,409,398	$1,216,748	

See footnotes at end of table.

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

PRODUCT	1939	1937	NUMBER OF ESTABLISHMENTS, BY STATES, 1939
Sulfates—Continued.			
Manganese:			
Number of establishments	5	5	Ga., 1; Ill., 1; Mo., 1; S. C., 1; Tenn., 1.
Pounds (basis 100 percent)	11,575,626	12,518,876	
Value	$308,604	$321,781	
Sodium, total value	$4,147,614	$3,692,162	
Anhydrous (refined) [34]—			
Number of establishments	7	7	Calif., 1; Mass., 1; Mo., 1; N. J., 2; Pa., 1; Tex., 1.
Tons	42,498	21,797	
Value	$689,599	$312,285	
Glauber's salt [35]—			
Number of establishments	17	15	Calif., 2; Conn., 1; Del., 1; Ind., 2; Mass., 1; Mo., 1; N. J., 5; Ohio, 1; Pa., 2; Wyo., 1.
Tons	34,493	31,934	
Value	$539,859	$490,660	
Niter cake:			
Number of establishments	13	13	Calif., 2; Del., 1; Ill., 1; Mass., 1; Mich., 1; Mo., 1; N. J., 2; N. Y., 1; Ohio, 1; Pa., 2.
Tons	34,101	22,983	
Value	$607,284	$521,601	
alt cake (crude) [37]—			
Number of establishments	31	27	Calif., 2; Del., 1; Ill., 4; Ind., 1; La., 3; Md., 1; Mass., 1; Mich., 1; N. J., 6; N. Y., 1; Ohio, 3; Okla., 1; Pa., 3; Tex., 3.
Tons	226,151	241,347	
Value	$2,310,872	$2,367,616	
Zinc:			
Number of establishments	12	10	Calif., 3; Ga., 1; Kans., 1; Mo., 1; Mont., 1; N. J., 1; Ohio, 2; Pa., 1; Va., 1.
Pounds	29,077,556	37,530,157	
Value	$710,952	$1,143,284	
Nickel:			
Number of establishments	5		N. J., 1; N. Y., 1; Ohio, 3.
Pounds	7,046,561	$4,933,865	
Value	$774,868		
Other sulfates, value [38]	[39] $3,459,644		
Sulfides, total value	$2,297,464	$2,343,776	
Sodium:			
Number of establishments	15	12	Calif., 1; Del., 1; Ga., 1; Ill., 1; Mass., 1; Mich., 1; Mo., 2; N. J., 3; N. Y., 2; Pa., 1; W. Va., 1.
Tons (basis 60 to 62 percent)	31,481	27,266	
Value	$1,633,895	$1,529,592	
Cadmium:			
Number of establishments	5		N. J., 1; Ohio, 1; Pa., 3.
Pounds	141,611	$814,184	
Value	$143,517		
Other sulfides, value	$520,052		
Sulfites, total value	$5,242,351	$3,923,599	
Sodium, normal [40]—			
Number of establishments	6	8	Calif., 1; Ill., 1; Mo., 1; N. J., 3.
Tons	11,213	12,491	
Value	$693,773	$781,877	
Sodium, hydro:			
Number of establishments	3		N. J., 2; Pa., 1.
Pounds	14,732,083	7	
Value	$2,235,713	16,032,500	
Zinc and formaldehyde, hydro:		$2,503,683	
Number of establishments	6		Calif., 1; Mass., 1; N. J., 2; Pa., 1; R. I., 1.
Pounds	8,714,056		
Value	$1,340,945		
Other sulfites, value	$971,920	$638,039	
Sulfur dioxide:			
Number of establishments	7	6	Calif., 2; Ill., 1; N. J., 2; Va., 1; Wis., 1.
Pounds	26,971,151	28,717,125	
Value	$1,296,949	$1,477,146	
Sulfur, refined [41]—			
Number of establishments	21	16	Calif., 5; Fla., 1; Mass., 1; Mo., 1; N. J., 6; N. Y., 3; Texas, 3; W. Va., 1.
Tons	95,804	75,919	
Value	$3,436,105	$2,333,467	
Tartrates, total value	$1,413,337	$1,302,411	
Potassium, bi-(cream of tartar):			
Number of establishments	4	4	Calif., 1; Mass., 1; N. Y., 2.
Pounds	3,815,317	5,080,455	
Value	$795,035	$883,646	
Other tartrates, value	[42] $618,302	$418,765	

See footnotes at end of table.

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

PRODUCT	1939	1937	NUMBER OF ESTABLISHMENTS, BY STATES, 1939
Vitreous enamels (frit):			
Number of establishments	17	13	Ind., 2; Ill., 4; Md., 1; Mich., 1; N. J., 1; Ohio, 2; Pa., 4; R. I., 1; Tenn., 1.
Pounds	97,395,105	110,879,218	
Value	$7,784,471	$6,826,215	
Other inorganic chemicals, value	[43] $70,370,411	$77,529,050	
Other organic chemicals, value	[44] $116,476,854	$70,711,779	

[1] Revised.
[2] Includes, in order of value, cellulose acetate, amyl acetate, vinyl acetate, isopropyl acetate, cobalt acetate, aluminum acetate, etc. Calcium acetate is classified as a product of "Hardwood distillation and charcoal manufacture" industry.
[3] Establishments reporting production by both contact and chamber processes are counted as one establishment.
[4] Includes, in order of value, acetic anhydride, citric acid, molybdic acid (oxide), synthetic acetic acid, chromic acid, etc. Natural acetic acid is classified as a product of the "Hardwood distillation and charcoal manufacture" industry.
[5] In addition, 2,958,644 gallons of refined natural methanol, valued at $796,803, were produced for sale in the "Hardwood distillation and charcoal manufacture" industry.
[6] The production of ethyl alcohol as reported to the Bureau of Internal Revenue, Treasury Department, was 217,485,249 proof gallons in 1939 and 215,438,282 proof gallons in 1937.
[7] Includes production from ammonia liquor. The 1939 primary production of ammonia was 493,000 tons (NH_3); this figure represents production by synthetic processes as reported to the Biennial Census of Manufactures and the production from byproduct coke ovens as reported to the Bureau of Mines, Department of Interior, and published by them.
[8] Figures for 1937 but not for 1939 include data for ammonia produced in the manufacture of gas. For production in the "Coke-oven" industry, see Bureau of Mines report, "Coke and Byproducts," in "Minerals Yearbook,1940" and earlier years.
[9] Includes one establishment which reported no soda ash for sale.
[10] Electrolytic production was for interplant transfer and not for sale.
[11] Includes, in order of value, potassium carbonate, barium carbonate, ammonium bicarbonate, etc.
[12] Not reported separately.
[13] Withheld to avoid disclosing data reported by individual establishments. Value included in that of "Other inorganic chemicals."
[14] Does not include calcium chloride from establishments engaged primarily in the production of salt. Such production for 1939, reported by 3 establishments, amounted to 2,867 tons. In 1937, 4 establishments reported 7,303 tons.
[15] Includes, in order of value, potassium chloride, ethyl chloride, zinc chloride, ethylene di-chloride, barium chloride, etc.
[16] Not including chlorine produced in establishments classified in the pulp and paper industries; these establishments reported a production of 24,145 tons in 1939.
[17] Included in value of "Other inorganic chemicals."
[18] Sometimes called chloride of lime, calcium oxychloride, etc.
[19] Includes values of liquid lime bleaches and calcium hypochlorite (true).
[20] Does not include the production of chromates which are considered chrome dry colors.
[21] Includes in order of value, sodium citrate, lithium citrate, etc.
[22] Does not include data for color lakes, statistics for which are given in the report for the "Colors and pigments" industry. See also Tariff Commission report No. 140, Second Series, entitled, "Synthetic Organic Chemicals, United States Production and Sales, 1939." Statistics for coal-tar crudes and intermediates are reported in the "Coal-tar products, crude and intermediate" industry. Statistics for coal-tar resins are included in the "Plastic materials" industry.
[23] Includes, in order of value, sodium cyanide, sodium ferrocyanide, potassium ferrocyanide, etc.
[24] No data available.
[25] Value for carbon fluorides included for 1937 but not for 1939.
[26] Includes, in order of value, aluminum fluoride, sodium fluoride, rare earth fluorides, etc.
[27] Includes output of two establishments that produced caustic soda from natural soda ash. Does not include sodium hydroxide produced in establishments classified in the pulp and paper industries.
[28] Value of sodium nitrate included in value of "Other inorganic chemicals" to avoid disclosing data reported by individual establishments.
[29] Includes, in order of value, strontium nitrate, potassium nitrate, lead nitrate, etc.
[30] Does not include figures for abrasive or refractory aluminum oxide which is included in the "Abrasive wheels, stones, paper cloth, and related products" industry, or of titanium dioxide or zinc oxide which are included in the "Colors and pigments" industry.
[31] Includes, in order of value, antimony oxide, magnesium oxide, etc.
[32] Includes, in order of value, sodium peroxide, barium peroxide, etc.
[33] Includes, in order of value, ammonium phosphate, sodium meta phosphate, etc.
[34] Revised to exclude barium sulfate (blanc fixé) which is included in the "Colors and pigments" industry, and sodium hyposulfite (thiosulfate), now reported as a separate item. Value for satin white included for 1937 but not for 1939.
[35] Includes statistics for sodium sulfate made from brine.
[36] Includes statistics for "Glauber's salt" refined from the natural product.
[37] Includes statistics for natural salt cake made from brine.
[38] Data for satin white included for 1937 but not for 1939.
[39] Includes, in order of value, ammonium sulfate, soda alum, potassium sulfate, etc.
[40] Anhydrous and crystal.
[41] Includes sulfur which has been ground or further processed.
[42] Includes, in order of value, Rochelle salts, tartar emetic, etc.
[43] Includes, in order of value, calcined alumina, sodium nitrate, sodium borate, yellow phosphorous, sodium metal, calcium molybdate, magnesium metal, etc.
[44] Includes, in order of value, tetraethyl lead (anti-knock fluid), nitrocellulose not plastic, ethylene glycol, formaldehyde, etc.

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

	Tons	Value
Hydrochloric acid, made for sale, total	76,800	$3,948,831
Illinois	9,680	501,886
Michigan	13,109	434,824
New Jersey	9,397	624,538
Pennsylvania	5,029	271,397
Conn., Mass., N. Y.	9,076	546,780
La., Okla., Texas	13,091	447,014
Calif., Del., Ind., Md., Ohio, Wash., W. Va.	17,418	1,122,392
Nitric acid, made for sale, total	34,571	3,184,912
Del., Mass., N. J., N. Y., Pa	23,767	2,289,805
Other States [1]	10,804	895,107
Sulfuric acid, made and consumed, total	2,558,642	(2)
Alabama	56,731	
Florida	167,574	
Georgia	92,718	
Illinois	154,377	
Louisiana	35,906	
Maryland	233,997	
Mississippi	13,423	
New Jersey	395,676	
New York	34,463	
North Carolina	97,438	
Ohio	143,056	
Pennsylvania	176,441	
South Carolina	85,028	
Tennessee	72,523	
Virginia	148,863	
Calif. and Ariz.	50,309	
Ind., Mich., Wis.	137,073	
Other States [3]	463,046	
Sulfuric acid, made for sale, total	5,152,845	37,730,541
Georgia	33,583	217,068
Illinois	439,782	3,322,152
Michigan	75,681	583,535
New Jersey	733,094	6,042,015
North Carolina	27,348	188,594
Ohio	422,852	3,431,377
Pennsylvania	682,811	5,476,257
South Carolina	51,877	307,425
Ariz. and Calif.	395,633	2,691,083
Colo., Mont., Utah	150,864	617,377
La., Okla., Texas	307,233	2,482,853
Ala., Fla., Ky., Tenn.	579,220	2,924,285
Del., Md., Va., W. Va.	693,742	4,692,519
Conn., Mass., N. Y., R. I.	287,035	2,521,581
Ind., Mo., Wis.	272,090	2,232,420
Chlorine, made for sale, total	315,130	10,468,337
New York	80,491	2,924,851
Mich., Ohio, Va., W. Va.	163,734	4,736,342
Other States [4]	70,905	2,807,144
Chlorine bleaching compounds: Sodium hypochlorite and other liquid sodium bleaches, made for sale, total	(5)	$9,408,160
California		2,437,165
Massachusetts		134,761
Michigan		584,433
New York		578,826
Ohio		149,978
Pennsylvania		161,730
Washington		35,764
Wisconsin		86,844
Fla., Ga., N. C.		34,325
Ill., Ind., Iowa, Minn., Mo., Okla.		2,447,596
Md., W. Va.		56,413
Conn., Me., N. J., R. I.		2,700,325
Sodium hydroxide, made for sale, total	950,157	34,541,479
Michigan	226,434	8,335,586
New York	198,584	7,150,206
La., Texas	95,267	3,404,715
Ohio, Va., W. Va.	354,623	12,134,180
Calif., Ill., Me., N. H., N. J., R. I., Wash., Wis.	75,249	3,016,792
Salt cake, made for sale, total	226,151	2,310,872
Illinois	23,225	314,426
New Jersey	27,537	328,355
Del., Ind., Md., Mich., N. Y., Ohio, Pa.	68,680	829,786
Calif., La., Mass., Okla., Texas	106,709	838,305

[1] Includes Ala., Calif., Colo., Ill., Ind., Mich., Mo., Wash., Wis.
[2] No value for tonnage "Made and consumed."
[3] Includes Colo., Conn., Del., Mass., Mo., Okla., Texas, Wash., Wyo.
[4] Includes Calif., Ill., La., N. H., N. J., R. I., Texas, Wash., Wis.
[5] Data incomplete.

TABLE 6.—SELECTED PRODUCTS, BY KIND, QUANTITY, AND VALUE, BY INDUSTRIES: 1939

	Made and consumed (tons)	Made for sale (tons)	Value
Nitric acid, total		34,571	$3,184,912
Chemicals not elsewhere classified industry		16,681	1,811,198
Explosives and other industries		17,890	1,373,714
Sulfuric acid, total	2,558,642	5,152,845	37,730,541
Chemicals not elsewhere classified industry	759,925	3,597,759	26,955,907
Fertilizers	1,161,770	702,334	4,746,486
Primary smelting and refining	(1)	782,614	5,400,560
Other industries [2]	636,947	70,138	627,588

[1] Included in "Other industries" to avoid disclosing data reported by individual establishments.
[2] Includes figures for "Petroleum refining," "Colors and pigments," "Plastic materials," and "Coal-tar products" industries.

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	60,268	57,002	57,538	57,557	57,330	57,675	57,844	58,107	59,202	61,998	65,265	66,887	66,813
1937	66,657	64,343	65,650	66,895	67,357	67,498	68,490	68,906	68,638	67,963	67,225	64,818	62,104
Alabama	745	784	779	759	766	831	745	726	726	712	711	715	691
California	2,985	2,786	2,781	2,890	2,912	2,910	2,898	2,978	2,977	3,075	3,192	3,216	3,203
Colorado	69	70	70	68	66	63	59	53	71	66	79	79	84
Connecticut	569	563	563	560	562	555	548	541	558	569	593	604	607
Florida	106	99	111	115	113	119	103	93	94	109	107	110	103
Georgia	54	48	48	50	53	53	54	55	56	57	59	57	57
Illinois	2,574	2,383	2,412	2,458	2,509	2,472	2,533	2,551	2,577	2,656	2,775	2,843	2,723
Indiana	1,392	1,317	1,300	1,323	1,318	1,336	1,337	1,326	1,345	1,477	1,590	1,571	1,468
Iowa	325	291	334	336	265	358	348	339	329	305	319	317	358
Kansas	332	328	334	333	337	329	330	331	334	314	337	338	339
Louisiana	1,269	1,037	1,047	1,083	1,149	1,184	1,195	1,236	1,326	1,383	1,539	1,545	1,508
Maryland	1,016	927	944	994	1,049	1,045	1,052	1,001	977	1,045	1,084	1,058	1,010
Massachusetts	526	511	588	495	499	481	464	476	519	556	578	570	569
Michigan	5,368	5,446	5,344	5,149	5,044	5,117	5,122	5,192	5,177	5,360	5,774	5,906	5,788
Minnesota	42	28	27	31	32	101	100	30	30	31	29	32	32
Missouri	1,213	1,213	1,216	1,207	1,198	1,178	1,139	1,082	1,128	1,238	1,282	1,348	1,320
New Jersey	11,796	11,033	11,225	11,214	11,248	11,161	11,317	11,426	11,680	11,952	12,720	13,112	13,458
New York	9,358	8,631	8,657	8,696	8,590	8,740	8,668	8,748	9,041	10,033	10,622	11,026	10,846
Ohio	5,008	4,812	4,877	4,938	4,766	4,728	4,786	4,886	4,919	5,162	5,164	5,485	5,567
Oklahoma	100	94	98	98	100	99	100	99	101	100	101	103	103
Pennsylvania	3,633	3,328	3,322	3,359	3,307	3,330	3,464	3,580	3,644	3,841	4,067	4,150	4,207
Rhode Island	131	127	128	128	125	126	131	133	133	132	133	136	135
South Carolina	99	72	121	126	137	122	139	90	80	72	78	76	76
Tennessee	2,129	2,117	2,173	2,124	2,121	2,107	2,016	1,980	2,034	2,200	2,246	2,202	2,230
Texas	703	658	685	683	682	675	674	693	693	713	741	779	760
Virginia	2,430	2,432	2,377	2,384	2,400	2,418	2,372	2,314	2,417	2,484	2,514	2,524	2,527
Washington	128	117	115	118	119	120	124	126	133	136	136	140	150
West Virginia	4,532	4,255	4,301	4,256	4,318	4,331	4,445	4,451	4,519	4,559	4,877	5,032	5,036
Wisconsin	113	110	112	112	111	112	113	116	117	117	113	113	115

TABLE 8.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	543
Reporting expenditures for plant and equipment	434
Value of products:	
Total for the industry	$839,750,366
Reporting expenditures for plant and equipment	814,437,455
Expenditures for plant and equipment:	
Total for the industry	47,665,056
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	10,365,346
Expenditures for new machinery and operating equipment	33,733,190
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	578,668
Expenditures unclassified	2,987,852

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

	1939	1937
Inventories:		
Beginning of year, total	$178,671,193	$152,259,662
Finished products	89,104,284	71,276,317
Materials, supplies, etc	89,566,909	80,983,345
End of year, total	179,551,962	189,126,774
Finished products	78,153,781	91,307,570
Materials, supplies, etc	101,398,181	97,819,204
Value of products for the industry, total	839,750,366	773,008,139
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	838,408,814	769,208,376
Value for establishments not reporting inventories	1,341,552	3,799,763

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]

	1939
Number of establishments	543
Number of establishments reporting power equipment	541
Prime movers, aggregate:	
Number	1,631
Horsepower	1,149,347
Prime movers, driving generators, total—	
Number	299
Horsepower	864,835
Steam engines—	
Number	91
Horsepower	46,884

TABLE 10.—PRIME MOVERS, MOTORS, GENERATORS, AND ELECTRIC ENERGY: 1939 [1]—Continued

	1939
Prime movers—Continued.	
Prime movers, driving generators—Continued.	
Steam turbines—	
Number	174
Horsepower	660,466
Diesel and semi-Diesel engines—	
Number	5
Horsepower	1,554
Other internal-combustion engines [2]—	
Number	14
Horsepower	1,306
Hydroturbines and water wheels—	
Number	15
Horsepower	154,625
Prime movers, driving generators, ordinarily idle (included above), horsepower	48,278
Prime movers not driving generators, total—	
Number	1,332
Horsepower	284,512
Steam engines—	
Number	572
Horsepower	153,200
Steam turbines—	
Number	569
Horsepower	98,963
Diesel and semi-Diesel engines—	
Number	13
Horsepower	1,249
Other internal-combustion engines [2]—	
Number	173
Horsepower	28,229
Hydroturbines and water wheels—	
Number	5
Horsepower	2,871
Prime movers not driving generators, ordinarily idle (included above), horsepower	20,158
Generators, kilowatt rating, total	613,311
Generators, driven by—	
Steam engines, kilowatt rating	30,713
Steam turbines, kilowatt rating	470,647
Diesel and semi-Diesel engines, kilowatt rating	946
Other internal-combustion engines,[2] kilowatt rating	950
Hydroturbines and water wheels, kilowatt rating	110,055
Generators, ordinarily idle (included above), kilowatt rating	33,477
Electric motors, total:	
Number	87,445
Horsepower	1,076,075
Driven by purchased energy—	
Number	46,597
Horsepower	460,559
Driven by energy generated in establishments reporting—	
Number	40,848
Horsepower	615,516
Electric energy (kilowatt-hours):	
Generated in plant	2,873,105,538
Sold	142,750,068
Purchased	3,805,981,195

[1] Comparable data for 1929 not available.
[2] Gas, gasoline, etc.

PRINTING INK

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

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of printing inks of various colors, gold and bronze inks, and lithographic and stamping inks.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	206	2,572	$3,701,318	$25,166,041	$49,131,575	$23,965,534	380
1937	184	2,793	4,084,886	25,103,530	47,346,545	22,243,015	[5]
1935	191	2,370	3,234,361	18,601,888	34,534,951	15,933,063	[5]
1933	160	2,094	2,663,369	12,603,500	26,166,304	13,562,804	[5]
1931	171	2,247	3,479,344	14,532,021	32,188,398	17,656,377	[5]
1929	147	2,448	3,957,185	19,204,715	42,749,992	23,545,277	4,520
1927	123	2,288	3,665,199	16,054,110	37,734,493	21,680,383	4,958
1925	109	2,150	3,346,071	16,252,786	34,753,329	18,500,543	5,990
1923	99	1,975	2,858,742	14,779,289	29,412,122	14,632,833	[5]
1921	97	1,676	2,470,097	10,644,453	20,869,477	10,225,024	[5]
1919	90	1,988	2,574,920	14,661,115	26,244,470	11,583,355	6,045
1914	70	1,391	1,063,959	6,805,874	13,830,312	7,024,438	6,589
1909	71	1,121	772,528	4,174,917	8,865,504	4,690,587	5,080
1904	60	711	474,987	2,612,558	5,774,254	3,161,696	2,529
1899	60	503	298,161	1,535,916	3,079,948	1,544,032	1,519

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] 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	Louisiana	Maryland	Massachusetts	Michigan	Missouri
Number of establishments [1]	206	11	38	4	3	8	6	10
Proprietors and firm members	41	2	10			2		3
Persons reported by manufacturing establishments, total [2]	4,376	244	819	38	19	155	150	129
Salaried officers of corporations [2]	200	8	23	4	1	5	5	11
Manufacturing:								
Salaried employees [2]	885	50	156	7	1	33	26	9
Wage earners (average for the year) [3]	2,572	165	543	13	8	86	81	72
Distribution	698	21	90	12	9	31	37	36
Construction	7		4					
Other	14		3	2			1	1
Salaries and wages, total [2]	$9,073,056	$487,042	$1,625,409	$70,366	$33,283	$255,589	$409,722	$278,332
Salaried officers [2]	1,356,652	40,424	156,365	11,100	819	14,315	101,855	76,025
Manufacturing:								
Salaries [2]	2,136,495	145,970	430,311	12,861	2,470	68,610	75,553	24,387
Wages	3,701,318	263,493	725,142	13,067	7,398	108,549	119,567	89,823
Distribution	1,854,055	37,155	303,085	32,108	22,596	64,115	111,359	86,705
Construction	11,319		7,751					
Other	13,217		2,755	1,230			1,388	1,392
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	25,166,041	1,833,527	6,212,397	165,814	79,691	868,467	878,611	553,921
Materials, supplies, and containers	24,464,942	1,797,380	6,060,490	159,837	79,055	840,988	851,763	537,479
Fuel	163,638	16,934	22,573	1,084		12,727	6,079	4,730
Purchased electric energy	534,681	19,213	129,286	4,893	636	14,752	20,769	11,712
Contract work	2,780		48					
Value of products	49,131,575	2,821,096	11,546,255	440,753	145,056	1,994,987	1,780,554	1,169,971
Value added by manufacture [4]	23,965,534	987,569	5,333,858	274,939	65,365	1,126,520	901,943	615,050

See footnotes at end of table.

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

ITEM	New Jersey	New York	Ohio	Oregon	Pennsylvania	Virginia	Wisconsin	Other States [5]
Number of establishments [1]	18	45	20	3	15	3	4	18
Proprietors and firm members	2	6	3	1	7			5
Persons reported by manufacturing establishments, total [2]	473	1,294	342	12	488	29	41	142
Salaried officers of corporations [2]	24	61	24	2	13	4	5	10
Manufacturing:								
Salaried employees [2]	148	258	57	2	106	2	11	19
Wage earners (average for the year) [3]	249	709	202	6	328	14	23	72
Distribution	52	262	58	2	40	7	2	39
Construction		1	1		1			
Other		3				2		2
Salaries and wages, total [3]	$980,320	$2,832,425	$768,810	$20,491	$911,782	$62,691	$81,421	$255,573
Salaried officers [2]	134,195	462,521	142,527	5,720	125,794	21,320	20,119	43,553
Manufacturing:								
Salaries [2]	295,550	611,780	165,032	2,228	235,245	5,605	21,026	39,867
Wages	374,036	1,116,447	291,954	9,234	432,030	14,368	36,706	99,504
Distribution	176,539	637,565	169,115	3,309	116,513	19,682	3,570	70,639
Construction		1,386	182		2,000			
Other		2,726				1,716		2,010
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	3,283,578	5,889,142	1,431,452	44,040	2,756,914	101,734	412,665	654,088
Materials, supplies, and containers	3,194,683	5,672,355	1,395,313	43,010	2,692,981	98,201	406,456	634,951
Fuel	24,414	47,249	3,271	64	20,351	440	486	3,236
Purchased electric energy	61,855	169,538	32,762	966	43,582	3,093	5,723	15,901
Contract work	2,626		106					
Value of products	7,111,257	12,580,741	2,959,066	93,527	4,320,753	225,668	613,296	1,328,595
Value added by manufacture [4]	3,827,679	6,691,599	1,527,614	49,487	1,563,839	123,934	200,631	674,507

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Colorado, 1 establishment; District of Columbia, 1; Georgia, 2; Indiana, 2; Iowa, 1; Minnesota, 2; New Hampshire, 1; North Carolina, 1; Tennessee, 2; Texas, 3; Washington, 2.

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

	1939	1937	1929
Printing Ink industry, all products, total value	$49,131,575	$47,346,545	$42,749,992
Printing and lithographing inks (finished)	42,416,695	42,776,663	40,698,391
Miscellaneous products not specified, including base ink	3,379,602	4,569,882	2,051,601
Other products (not classified in this industry)	[1] 3,335,278		
Printing and lithographing inks, aggregate value	44,301,132	44,877,411	41,630,486
Printing inks made in the industry	42,416,695	42,776,663	40,698,391
Printing inks made as secondary products in other industries	1,884,437	2,100,748	932,095

[1] Principally value of varnishes, colors, and writing inks.

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

PRODUCT	1939	1937	1929
Printing ink, including stamping ink, aggregate value	$44,301,132	$44,877,411	$41,630,486
Printing and lithographing inks (finished):			
Pounds	248,055,433	[1] 254,853,963	[2]
Value	$43,612,999	[3] $44,877,411	$41,630,486
Stamping ink	$688,133	[4]	[2]

[1] Revised; also includes an indeterminate amount of stamping ink.
[2] No data.
[3] Includes the value of an indeterminate amount of stamping ink.
[4] Not called for separately.

TABLE 5.—PRINTING INK—QUANTITY AND VALUE, BY STATES: 1939

	Number of establishments	Quantity	Value
		Pounds	
Printing and lithographing inks (finished), total	212	248,055,433	$43,612,999
California	14	19,840,303	2,295,367
Illinois	36	52,896,716	9,872,883
Maryland	3	367,872	145,056
Missouri	9	8,731,349	1,072,204
New Jersey	17	57,512,388	6,801,869
New York	45	28,724,397	10,074,106
Ohio	23	13,479,669	3,344,645
Oregon	3	153,510	91,584
Pennsylvania	15	21,861,558	3,808,272
D. C. 1 est., Va. 3	4	745,002	278,239
Ga. 2 est., N. C. 1, Tenn. 2	5	487,274	196,551
Ind. 3 est., Mich. 6	9	12,622,129	1,908,750
Other States (Colo. 1 est., Iowa 1, La. 4, Mass. 9, Minn. 3, N. H. 1, Tex. 3, Wash. 3, Wis. 4)	29	30,633,266	3,723,473

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	2,572	2,467	2,505	2,520	2,545	2,534	2,559	2,563	2,582	2,599	2,642	2,693	2,657
1937	2,793	2,744	2,776	2,756	2,813	2,807	2,824	2,811	2,814	2,803	2,820	2,792	2,756
1929	2,448	2,423	2,435	2,437	2,431	2,440	2,437	2,461	2,488	2,453	2,462	2,479	2,431
California	165	149	155	160	158	158	166	168	174	172	176	175	174
Illinois	543	514	522	521	535	535	552	559	556	552	553	569	548
Louisiana	13	13	13	13	14	15	13	13	13	12	12	12	12
Maryland	8	9	9	8	8	8	8	8	8	8	8	8	8
Massachusetts	86	85	85	86	85	87	87	88	86	84	86	85	86
Michigan	81	78	78	79	79	79	81	84	84	81	84	83	83
Missouri	72	73	72	71	73	73	73	73	71	71	72	74	73
New Jersey	249	239	239	244	246	249	251	247	245	246	255	266	263
New York	709	690	709	706	711	690	687	684	701	713	728	743	746
Ohio	202	198	198	200	198	199	199	198	199	200	213	213	209
Oregon	6	5	6	6	6	7	7	7	7	7	7	7	6
Pennsylvania	328	309	312	318	323	327	328	326	329	341	337	345	336
Texas	8	8	8	8	8	8	8	8	8	8	8	8	8
Virginia	14	14	14	14	15	14	14	14	14	15	15	15	15
Wisconsin	23	21	23	23	23	22	23	23	23	23	23	24	24

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	206
Reporting expenditures for plant and equipment	127
Value of products:	
Total for the industry	$49,131,575
Reporting expenditures for plant and equipment	42,000,864
Expenditures for plant and equipment:	
Total for the industry	645,516
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	69,744
Expenditures for new machinery and operating equipment	549,450
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	26,322

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

	1939	1937
Inventories:		
Beginning of year, total	$5,942,948	$6,146,807
Finished products	2,979,478	3,036,180
Materials, supplies, etc	2,963,470	3,110,627
End of year, total	7,215,109	6,765,240
Finished products	3,311,578	3,331,674
Materials, supplies, etc	3,903,531	3,433,566
Value of products for the industry, total	49,131,575	47,346,545
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	49,070,882	47,240,063
Value for establishments not reporting inventories	60,693	106,482

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

	1939	1929
Number of establishments	206	147
Number of establishments reporting power equipment	206	145
Prime movers, aggregate:		
Number	4	25
Horsepower	380	4,520
Prime movers, driving generators, total—		
Number		[1] 25
Horsepower		[1] 4,520
Steam engines—		
Number		[1] 17
Horsepower		[1] 3,694
Diesel and semi-Diesel engines—		
Number		[1] 8
Horsepower		[1] 826
Other internal-combustion engines [2]—		
Number		
Horsepower		
Prime movers not driving generators, total—		
Number	4	
Horsepower	380	
Steam engines—		
Number	1	[3]
Horsepower	295	
Internal-combustion engines,[2] other than Diesel and semi-Diesel—		
Number	3	
Horsepower	85	
Generators, kilowatt rating		2,502
Electric motors, total:		
Number	3,636	1,680
Horsepower	31,423	18,507
Driven by purchased energy—		
Number	3,636	1,458
Horsepower	31,423	15,780
Driven by energy generated in establishments reporting—		
Number		222
Horsepower		2,727
Electric energy purchased (kilowatt-hours)	23,921,968	14,569,235

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.

AMMUNITION

[A preliminary report for this industry was issued September 10, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of ammunition for small arms. Blasting and detonating caps formerly classified in this industry are now classified in the Explosives industry. A special tabulation was made of the 1937 manufactures reports to obtain figures comparable with those for 1939.

The production of ammunition in arsenals and other plants operated by the Federal Government is not included in the statistics for this industry.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	13	4,264	$4,952,610	$13,004,357	$29,091,475	$16,087,118	20,721
1937 [4]	11	5,071	5,697,662	14,709,079	31,043,048	16,333,969	(5)

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] Revised. No comparable figures for earlier years.
[5] 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	1939
Number of establishments [1]	[2] 13
Proprietors and firm members	2
Persons reported by manufacturing establishments, total [3]	5,247
Salaried officers of corporations [3]	15
Manufacturing:	
Salaried employees [3]	672
Wage earners (average for the year) [4]	4,264
Distribution	264
Construction	20
Other	12

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

ITEM	1939
Salaries and wages, total [3]	$6,944,595
Salaried officers [3]	125,593
Manufacturing:	
Salaries [3]	1,269,465
Wages	4,952,610
Distribution	549,869
Construction	32,431
Other	14,627
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	13,004,357
Materials, supplies, and containers	12,574,041
Fuel	290,682
Purchased electric energy	85,087
Contract work	54,547
Value of products	29,091,475
Value added by manufacture [5]	16,087,118

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] Connecticut, 2 establishments; Illinois, 2; Michigan, 1; Minnesota, 1; Ohio, 2; Oklahoma, 1; Pennsylvania, 3; Texas, 1.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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 [1]
Ammunition industry, all products, total value	$29,091,475	$31,043,048
Ammunition	28,268,444	29,621,541
Miscellaneous products not specified	144,601	1,421,507
Other products not classified in this industry	[2] 678,430	
Ammunition, aggregate value [3]	28,709,041	29,738,639
Ammunition made in this industry [3]	28,268,444	29,621,541
Ammunition made as secondary products in other industries [3]	440,597	117,098

[1] Revised.
[2] Principally value of blasting and detonating caps, detonating fuses, targets, and traps.
[3] Loaded and blank, revolver, pistol, and rifle cartridges; empty cartridge cases; percussion caps and primers; shot, wads, and other small arms ammunition; and other products related to ammunition.

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

No detailed production statistics were collected for this industry for 1939.

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

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	4,264	3,679	3,862	3,909	3,960	3,924	3,962	4,061	4,236	4,252	5,099	5,381	4,844
1937	5,071	4,217	4,501	4,659	4,808	5,124	5,452	5,647	5,745	5,696	5,512	4,927	4,560

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TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	13
Reporting expenditures for plant and equipment	12
Value of products:	
Total for the industry	$29,091,475
Reporting expenditures for plant and equipment	29,003,975
Expenditures for plant and equipment:	
Total for the industry	862,951
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	121,862
Expenditures for new machinery and operating equipment	740,766
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	323

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

	1939	1937 [1]
Inventories:		
Beginning of year, total	$8,703,786	$8,244,916
Finished products	3,873,524	2,489,853
Materials, supplies, etc	4,830,262	5,755,063
End of year, total	8,935,482	9,930,414
Finished products	2,740,568	3,996,443
Materials, supplies, etc	6,194,914	5,933,971
Value of products for the industry, total	29,091,475	31,043,048
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	29,091,475	31,043,048
Value for establishments not reporting inventories	----------	----------

[1] Revised.

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

	1939	1929
Number of establishments	13	21
Number of establishments reporting power equipment	12	21
Prime movers, aggregate:		
Number	17	38
Horsepower	20,721	9,800
Prime movers, driving generators, total—		
Number	16	[1] 38
Horsepower	20,621	[1] 9,800
Steam engines—		
Number	4	[1] 22
Horsepower	1,601	[1] 3,048
Steam turbines—		
Number	9	[1] 13
Horsepower	18,570	[1] 6,601
Diesel and semi-Diesel engines—		
Number	3	----------
Horsepower	450	----------
Hydroturbines and water wheels—		
Number	----------	[1] 3
Horsepower	----------	[1] 151
Prime movers, driving generators, ordinarily idle (included above), horsepower	2,260	
Prime movers, steam engines, not driving generators—		(2)
Number	1	
Horsepower	100	

	1939	1929
Generators, kilowatt rating, total	14,618	3,807
Generators, driven by—		
Steam engines, kilowatt rating	1,150	(2)
Steam turbines, kilowatt rating	13,176	
Diesel and semi-Diesel engines, kilowatt rating	292	
Generators, ordinarily idle (included above), kilowatt rating	1,676	(2)
Electric motors, total:		
Number	3,018	2,472
Horsepower	14,658	13,937
Driven by purchased energy—		
Number	921	1,116
Horsepower	3,856	7,261
Driven by energy generated in establishments reporting—		
Number	2,097	1,356
Horsepower	10,802	6,676
Electric energy (kilowatt-hours):		
Generated in plant	16,809,221	(3)
Sold	1,889,887	(3)
Purchased	6,935,381	10,948,175

[1] Includes data for prime movers not driving generators. [2] Not called for on schedule. [3] Data not available.

CLEANING AND POLISHING PREPARATIONS, BLACKINGS, AND DRESSINGS

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

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of cleansers, washing powders, and washing compounds (containing no soap or purchased soap only); dry cleaning preparations; metal, automobile, and other polishes; paint and varnish removers; blackings, waxes, stains, and dressings for fabricated leather and other materials; stove polish, burnishing inks; and related products. This industry is a combination of the industries formerly known as "Blackings, stains, and dressings," and "Cleaning and polishing preparations."

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	637	5,128	$5,667,266	$37,670,007	$89,766,752	$52,096,745	1,185
1937	510	4,877	5,422,367	31,632,123	77,053,973	45,421,850	(5)
1935	562	4,322	4,500,321	25,691,068	60,338,545	34,647,477	(5)
1933	481	4,380	4,226,314	21,661,980	60,104,068	38,442,088	(5)
1931	544	3,950	4,635,275	23,919,734	68,350,014	44,430,280	(5)
1929	599	4,330	5,315,604	27,744,275	75,461,468	47,717,193	1,827
1927	517	4,119	5,169,163	24,405,178	63,782,701	39,377,523	2,413
1925	470	4,030	4,824,197	22,440,825	59,075,353	36,634,528	2,871
1923	473	4,541	4,916,220	23,853,277	61,264,839	37,411,562	(6)
1921	452	3,353	3,407,255	20,321,293	41,630,585	21,309,292	(5)
1919	719	4,410	4,007,550	26,965,358	51,987,181	25,021,823	3,034
1914	595	3,005	1,496,217	9,023,813	19,033,312	10,009,499	3,026
1909	501	2,417	1,146,112	6,962,392	14,679,120	7,716,728	2,882
1904	294	1,782	737,539	4,382,867	8,651,435	4,268,568	2,281
1899	275	1,758	633,612	3,152,051	6,697,984	3,545,933	1,513

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] 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	Connecticut	Florida	Georgia	Illinois	Iowa	Maryland	Massachusetts
Number of establishments [1]	637	45	4	13	4	5	75	11	17	75
Proprietors and firm members	301	36	4	3	2	2	27	2	10	32
Persons reported by manufacturing establishments, total [2]	9,978	319	26	221	18	41	1,282	71	240	877
Salaried officers of corporations [3]	578	21	1	8	3	3	73	10	17	76
Manufacturing:										
Salaried employees [2]	1,403	43		35		3	119	12	57	131
Wage earners (average for the year) [3]	5,128	131	5	149	10	21	736	23	124	466
Distribution	2,802	123	20	29	5	11	344	26	42	201
Construction	33					3	2			3
Other	34	1					8			
Salaries and wages, total [2]	$15,964,521	$428,434	$24,070	$424,143	$18,944	$31,005	$1,892,739	$129,847	$319,002	$1,534,809
Salaried officers [2]	2,921,172	49,233	3,300	70,772	9,532	4,470	417,131	28,124	50,826	383,314
Manufacturing:										
Salaries [2]	2,468,942	67,089		90,965		5,543	224,125	15,944	80,748	209,662
Wages	5,667,266	130,147	5,431	222,908	4,736	11,766	691,988	24,419	95,239	605,735
Distribution	4,822,145	179,231	15,339	39,498	4,676	8,156	542,676	61,360	92,189	334,007
Construction	38,968	358				1,070	2,486			2,091
Other	46,028	2,376					14,333			
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	37,670,007	952,299	14,723	1,059,234	34,985	56,243	5,469,781	144,886	766,117	2,459,238
Materials, supplies, and containers	37,036,595	935,947	14,199	998,994	34,436	55,129	5,394,356	141,977	756,768	2,412,266
Fuel	303,955	4,860	355	29,811	385	320	31,855	1,625	5,588	27,248
Purchased electric energy	300,226	6,392	169	30,429	164	794	41,631	1,284	3,761	19,724
Contract work	29,231	5,100					1,939			
Value of products	89,766,752	2,162,685	72,919	1,725,828	74,037	121,561	12,113,398	447,294	1,647,548	5,590,327
Value added by manufacture [4]	52,096,745	1,210,386	58,196	666,594	39,052	65,318	6,643,617	302,408	881,431	3,131,089

See footnotes at end of table.

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

ITEM	Michigan	Minnesota	Missouri	Nebraska	New Jersey	New York	Ohio	Oregon	Pennsylvania	Texas	Other States [5]
Number of establishments [1]	29	12	34	7	45	111	50	6	27	5	62
Proprietors and firm members	8	8	15	8	12	53	30	3	14	6	26
Persons reported by manufacturing establishments, total [2]	457	78	512	17	1,595	1,893	532	39	333	29	1,396
Salaried officers of corporations [2]	24	6	36		59	106	32	5	34	1	63
Manufacturing:											
Salaried employees [2]	65	5	57	2	283	229	94	3	43	2	220
Wage earners (average for the year) [3]	234	20	195	11	897	1,031	249	13	175	20	616
Distribution	120	47	223	4	340	514	155	18	81	5	494
Construction	14					11					
Other			1		16	2	2			1	3
Salaries and wages, total [2]	$791,475	$64,824	$886,702	$15,939	$2,500,813	$2,859,762	$1,014,215	$22,033	$515,340	$32,831	$2,457,594
Salaried officers [2]	133,173	12,440	192,502		359,566	507,223	276,986	3,660	163,726	2,600	252,594
Manufacturing:											
Salaries [2]	117,898	4,440	104,899	1,307	396,216	420,504	213,064	1,883	59,211	3,337	452,107
Wages	311,670	19,626	198,776	10,472	1,010,940	1,137,223	274,421	6,658	143,297	20,431	741,383
Distribution	208,759	28,318	389,837	4,160	715,517	778,104	248,287	9,832	149,106	5,963	1,007,130
Construction	19,975					12,841	147				
Other			688		18,574	3,867	1,310			500	4,380
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	2,792,259	164,446	1,694,933	127,665	5,543,808	7,899,551	2,819,037	51,023	1,070,840	64,531	4,484,408
Materials, supplies, and containers	2,746,730	162,455	1,672,650	125,979	5,416,312	7,796,846	2,789,958	50,231	1,059,688	63,638	4,408,036
Fuel	30,650	550	12,816	868	60,080	32,808	14,073	386	6,541	176	42,960
Purchased electric energy	14,879	1,441	9,467	818	49,785	65,336	15,006	406	4,611	717	33,412
Contract work					17,631	4,561					
Value of products	4,277,554	324,281	4,112,686	167,373	11,279,825	20,031,175	7,546,729	109,002	2,216,860	152,361	15,593,309
Value added by manufacture [4]	1,485,295	159,835	2,417,753	39,708	5,736,017	12,131,624	4,727,692	57,979	1,146,020	87,830	11,108,901

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Alabama, 1 establishment; Delaware, 1; Indiana, 10; Kansas, 2; Louisiana, 2; Maine, 2; Mississippi, 1; Montana, 1; New Hampshire, 5; North Carolina, 2; Rhode Island, 3; South Carolina, 2; South Dakota, 1; Tennessee, 5; Vermont, 1; Virginia, 2; Washington, 1; Winsconsin, 20.

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

	1939	1937
Cleaning and Polishing Preparations, Blackings, and Dressings industry, all products, total value	$89,766,752	$77,053,973
Cleaning and polishing preparations, blackings, and dressings made in this industry	76,827,239	68,190,195
Miscellaneous products not specified	3,406,694	8,863,778
Other products (not classified in this industry)	[1] 9,532,819	
Cleaning and polishing preparations, blackings, and dressings, aggregate value	89,523,748	[2] 80,831,454
Cleaning and polishing preparations, blackings, and dressings made in this industry	76,827,239	68,190,195
Cleaning and polishing preparations, blackings, and dressings made as secondary products in other industries	12,696,509	[2] 12,641,259

[1] Includes, in order of value, soaps, drugs and medicines, insecticides, other industrial household chemical compounds, and cosmetics.
[2] Revised.

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	Aggregate value	
Total value	$76,827,239	$12,696,509	$89,523,748	[1] $80,831,454
Cleaning preparations, total value	$34,257,150	$5,625,828	$39,882,978	$34,569,006
Containing no soap, total value	$21,104,376	$4,687,057	$25,791,433	$23,985,599
Cleansers, scouring powders, and washing compounds:				
Packaged—				
Pounds	66,448,675	5,059,086	71,507,761	74,743,224
Value	$5,702,193	$383,991	$6,086,184	$6,011,677
Bulk—				
Pounds	162,446,234	18,536,679	180,982,913	164,509,725
Value	$6,883,406	$1,051,309	$7,934,715	$7,553,376

See footnotes at end of table.

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	Aggregate value	
Cleaning preparations—Continued.				
Containing no soap—Continued.				
Cleansers and scouring compounds in bar form:				
Pounds	385,000	114,119	499,119	219,632
Value	$34,241	$10,726	$44,967	$25,803
Dry-cleaning preparations:				
Gallons	1,094,952	1,250,101	2,345,053	[1] 2,341,074
Value	$1,266,554	$1,458,014	$2,724,568	$2,070,688
Other cleaning preparations (rust and stain removers, sweeping compounds, etc.), value	$7,217,982	$1,783,017	$9,000,999	$8,324,055
Containing purchased soap, total value [2]	$13,152,774	$938,771	$14,091,545	[1] $10,583,407
Cleansers, scouring powders, and washing compounds:				
Packaged—				
Pounds	101,406,298	2,512,078	103,918,376	[1] 91,755,569
Value	$6,518,198	$243,674	$6,761,872	[1] $6,135,208
Bulk—				
Pounds	41,947,144	3,139,843	45,086,987	[1] 33,247,441
Value	$2,023,616	$173,710	$2,197,326	[1] $1,984,909
Cleansers and scouring compounds in bar form:				
Pounds	6,659,908	494,523	7,154,521	[1] 7,517,141
Value	$358,292	$18,808	$377,100	[1] $391,372
Other cleaning preparations (rust and stain removers, sweeping compounds, etc.), value	$4,252,668	$502,579	$4,755,247	[1] $2,071,918
Polishing preparations, total value	$42,024,831	$5,791,217	$47,816,048	$44,626,532
Metal polish	$1,662,106	$291,602	$1,953,708	$2,465,966
Automobile-body polish	$3,826,726	$690,742	$4,517,468	$3,058,960
Floor wax (liquid and paste)	$5,904,335	$1,305,733	$7,210,068	$6,997,090
Water emulsion floor polish	$8,408,513	$501,588	$8,910,101	$7,058,728
Other polishing preparations	$3,214,079	$884,941	$4,099,020	$5,260,420
Leather finishes and dressings, including blackings and stains	$4,465,490	$947,791	$5,413,281	$3,604,514

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	Aggregate value	
Polishing preparations—Continued.				
Boot and shoe polishes, total	$12,255,452	$401,077	$12,656,529	$13,697,574
White	$3,340,388	$341,641	$3,682,029	$4,777,631
Other	$8,915,064	$59,436	$8,974,500	$8,919,943
Other leather polishes (harness, belting, etc.), and stove polish	$2,288,130	$767,743	$3,055,873	$2,483,280
Paint and varnish removers:				
Gallons	594,981	1,164,297	1,759,278	1,634,761
Value	$545,258	$1,279,464	$1,824,722	$1,635,916

[1] Revised.
[2] The total production for 1939 and 1937 in all industries (including the "Soap and glycerin" industry) of cleaning preparations containing soap is given below:

	1939	1937*
Total value	$22,139,120	$18,166,112
Cleansers, scouring powders, and washing compounds, containing soap:		
Packaged—		
Pounds	271,359,858	248,794,810
Value	$13,709,909	$12,390,046
Bulk—		
Pounds	63,795,341	54,554,465
Value	$2,993,662	$2,902,232
Cleansers and scouring powders in bar form:		
Pounds	12,108,087	12,963,873
Value	$680,302	$801,916
Other cleaning preparations (rust and stain removers, sweeping compounds, etc.), value	$4,755,247	$2,071,918

*Revised.

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

	Quantity	Value
Cleaning preparations:		
Containing no soap—		
Cleansers, scouring powders, and washing compounds, reported as such—	*Pounds*	
Packaged, total	71,507,761	$6,086,184
California	1,237,751	68,552
Illinois	14,295,272	1,248,883
Michigan	90,926	19,581
New York	7,497,834	834,846
Wisconsin	1,135,625	89,571
Ind., Md., N. J., Ohio, Pa.	45,903,152	3,687,653
Iowa, Minn., Mo.	1,178,351	107,289
Ala., Mass., Oreg., Utah	168,850	29,809
Bulk, total	180,982,913	7,934,715
California	3,999,352	220,886
Illinois	11,412,738	662,254
Minnesota	412,099	23,588
Missouri	1,064,652	61,828
New Jersey	12,384,288	707,182
New York	32,030,966	2,580,846
Ohio	6,226,724	462,797
Pennsylvania	3,559,264	216,141
Other States (Ala., Colo., Conn., Del., Fla., Ga., Ind., Iowa, Md., Mass., Mich., Nebr., N. C., Oreg., R. I., Tex., Wash., W. Va., Wis.)	109,892,830	2,999,193
	Gallons	
Dry-cleaning preparations, total	2,345,053	2,724,568
California	85,426	34,858
Illinois	137,160	199,758
Michigan	106,841	110,259
Missouri	291,148	305,776
New Jersey	10,328	40,885
New York	345,433	499,238
Pennsylvania	231,919	40,893
Ind., Ohio	935,223	1,260,633
Other States (Ala., Colo., Conn., Fla., Ga., Iowa, La., Maine, Md., Mass., Minn., Miss., S. C., Tenn., Tex., Va., Wash., W. Va.)	201,575	232,268
Containing purchased soap, cleansers, scouring powders, and washing compounds, in bulk, total	*Pounds* 45,086,987	2,197,326
California	4,255,781	370,106
Illinois	2,106,990	85,210
Maryland	527,414	34,426
New Jersey	6,179,748	279,464
New York	8,114,918	497,109
Ohio	1,919,565	138,567
Pennsylvania	213,834	7,954
Other States (Ala., Conn., Fla., Ga., Iowa, Maine, Mass., Mich., Minn., Mo., Mont., Nebr., N. C., Oreg., S. C., S. Dak., Tenn., Tex., Wash., Wis.)	21,768,737	784,490

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

	Quantity	Value
Paint and varnish removers, total	*Gallons* 1,759,278	$1,824,722
Illinois	465,265	511,130
Indiana	11,240	14,408
Louisiana	17,722	10,815
Massachusetts	40,515	38,809
Michigan	75,701	88,222
Minnesota	13,293	13,841
Missouri	40,831	52,760
New Jersey	243,406	303,088
New York	314,090	301,283
Ohio	50,727	56,277
Pennsylvania	55,793	56,818
Tennessee	3,846	3,867
Texas	16,454	17,144
Ala., Ga., Md., N. C., Va., W. Va.	51,848	50,343
Other States (Ariz., Calif., Colo., Conn., Fla., Iowa, Ky., Nebr., Okla., Oreg., Wash., Wis.)	358,547	305,917
Polishing preparations:		Value
Metal polish, total		$1,953,708
Connecticut		27,713
Illinois		353,290
Maryland		72,768
Massachusetts		80,543
Michigan		21,740
Missouri		6,441
New Jersey		235,296
New York		158,660
Ohio		49,708
Ala., Ga., Tenn.		25,650
Ind., Minn., Wis.		173,303
Other States (Calif., Del., D. C., Fla., Iowa, La., Nebr., N. H., Oreg., Pa., Tex., Utah, Va.)		748,596
Automobile-body polish, total		4,517,468
California		207,460
Michigan		1,211,411
Minnesota		27,138
Missouri		23,208
New York		215,293
Ohio		16,436
Pennsylvania		13,513
Conn., Mass., N. J.		245,393
Other States (Del., Ill., Ind., Md., Oreg., Tenn., Utah, Va., Wis.)		2,557,616
Floor wax (liquid and paste), total		7,210,068
California		34,749
Connecticut		117,206
Illinois		426,128
Indiana		87,940
Iowa		7,660
Maryland		190,643
Michigan		45,990
Missouri		203,229
New Jersey		1,135,521
New York		1,313,466
Ohio		74,034
Other States (Ala., Ark., Colo., Del., Fla., Ga., La., Mass., Minn., Mont., Nebr., N. H., N. C., Oreg., Pa., R. I., S. C., Tenn., Tex., Utah, Wis.)		3,573,502
Leather finishes and dressings including blackings and stains, total		5,413,281
California		49,660
Illinois		396,246
Maryland		11,515
Massachusetts		2,667,741
New Jersey		129,150
New York		380,105
Ohio		84,728
Pennsylvania		12,145
Wisconsin		464,945
Ala., Ga., N. C., Tenn., Va.		64,839
Conn., Mich., Minn., Mo., Nebr., Oreg., Tex.		1,152,207
Boot and shoe polishes, total		12,656,529
White, total		3,682,029
California		50,928
Illinois		147,387
Massachusetts		542,288
Michigan		18,495
New York		1,495,510
Ohio		165,270
Pennsylvania		39,424
La., Tex.		9,330
N. C., Tenn.		227,566
Other States (Conn., Ind., Md., Minn., Mo., N. J., Okla., R. I., Va., Wis.)		985,831
Other, total		8,974,500
California		177,137
Illinois		269,005
Massachusetts		937,255
Missouri		1,118,595
Ohio		37,914
Pennsylvania		222,569
Other States (Ind., La., Md., Mich., Minn., Miss., N. H., N. J., N. Y., N. C., Oreg., R. I., Tenn., Tex., Va., Wis.)		6,212,025

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	5,128	4,827	5,106	5,277	5,379	5,350	5,175	4,971	4,887	5,060	5,218	5,167	5,118
1937	4,877	4,505	4,796	5,074	5,251	5,172	4,900	4,800	4,765	5,037	5,147	4,803	4,275
1929	4,330	4,247	4,387	4,452	4,473	4,438	4,349	4,332	4,306	4,269	4,311	4,241	4,154
California	131	115	118	120	125	134	134	138	136	136	135	143	143
Colorado	5	5	5	5	5	5	5	5	5	5	5	5	5
Connecticut	149	145	144	144	147	149	151	145	148	151	154	154	153
Florida	10	11	11	11	9	9	9	9	8	9	11	12	10
Georgia	21	21	21	20	21	22	21	23	22	23	22	21	20
Illinois	736	664	732	784	788	774	730	715	718	738	727	738	727
Indiana	229	246	251	256	249	256	248	182	169	196	252	217	230
Iowa	23	24	25	27	28	24	22	22	23	23	21	21	19
Maryland	124	107	116	117	118	122	127	134	125	132	126	134	131
Massachusetts	466	450	469	472	487	478	477	461	451	458	467	463	457
Michigan	234	211	216	220	230	233	226	251	243	249	241	250	239
Minnesota	20	20	21	21	21	19	19	19	20	20	20	20	20
Missouri	195	193	198	207	211	204	203	188	188	191	181	189	188
Nebraska	11	10	10	10	11	11	11	10	11	11	11	11	11
New Hampshire	29	29	29	30	29	29	27	26	26	28	30	31	29
New Jersey	897	808	858	885	932	949	926	923	860	848	933	934	912
New York	1,031	938	1,005	1,063	1,078	1,064	1,027	976	980	1,057	1,091	1,057	1,035
Ohio	249	268	275	284	288	272	240	215	211	231	234	224	244
Oregon	13	12	12	15	16	17	19	14	14	12	10	9	10
Pennsylvania	175	174	189	183	175	179	162	155	162	178	177	185	180
Rhode Island	68	74	87	94	91	79	79	54	54	55	61	41	46
Tennessee	21	26	34	22	30	29	21	13	25	23	17	9	8
Texas	20	19	19	19	19	19	19	20	20	20	21	21	21
Wisconsin	215	211	210	211	213	216	216	215	214	214	216	224	225

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	637
Reporting expenditures for plant and equipment	282
Value of products:	
Total for the industry	$89,766,752
Reporting expenditures for plant and equipment	73,039,611
Expenditures for plant and equipment:	
Total for the industry	1,532,418
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	451,765
Expenditures for new machinery and operating equipment	979,860
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	99,246
Expenditures unclassified	1,547

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

	1939	1937
Inventories:		
Beginning of year, total	$10,740,096	$9,680,032
Finished products	4,942,805	4,026,371
Materials, supplies, etc	5,797,291	5,653,661
End of year, total	11,694,663	11,171,868
Finished products	5,252,223	4,704,389
Materials, supplies, etc	6,442,440	6,467,479
Value of products for the industry, total	89,766,752	77,053,973
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	89,389,907	73,335,680
Value for establishments not reporting inventories	376,845	3,718,293

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

	1939	1929
Number of establishments	637	599
Number of establishments reporting power equipment	635	443
Prime movers, aggregate:		
Number	12	32
Horsepower	1,185	1,827
Prime movers, driving generators, total—		
Number	5	[1] 32
Horsepower	855	[1] 1,827

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

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators—Continued.		
Steam engines—		
Number	4	[1] 26
Horsepower	505	[1] 1,602
Steam turbines—		
Number	1	[1] 1
Horsepower	350	[1] 172
Diesel and semi-Diesel engines—		
Number	----------	
Horsepower	----------	
Other internal-combustion engines [2]—		[1] 3
Number		[1] 35
Horsepower	----------	
Hydroturbines and water wheels—		
Number	----------	[1] 2
Horsepower	----------	[1] 18
Prime movers, driving generators, ordinarily idle (included above), horsepower	145	
Prime movers not driving generators, total—		
Number	7	
Horsepower	330	
Steam engines—		[3]
Number	6	
Horsepower	327	
Internal-combustion engines,[2] other than Diesel and semi-Diesel—		
Number	1	
Horsepower	3	
Generators, kilowatt rating, total	456	466
Generators, driven by—		
Steam engines, kilowatt rating	156	[3]
Steam turbines, kilowatt rating	300	
Generators, ordinarily idle (included above), kilowatt rating	125	[4]
Electric motors, total:		
Number	6,042	2,676
Horsepower	19,161	12,918
Driven by purchased energy—		
Number	5,732	2,491
Horsepower	17,176	12,099
Driven by energy generated in establishments reporting—		
Number	310	185
Horsepower	1,985	819
Electric energy (kilowatt-hours):		
Generated in plant	225,672	[4]
Purchased	12,720,068	10,591,380

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

GLUE AND GELATIN

[A preliminary report for this industry was issued December 10, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of glues and edible and inedible gelatin from animal and vegetable materials.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	80	3,039	$3,941,588	$18,793,755	$34,331,639	$15,537,884	27,363
1937	75	3,547	4,565,134	23,390,959	40,649,934	17,258,975	(5)
1935	74	3,253	3,534,418	15,076,298	28,161,033	13,084,735	(5)
1933	63	2,013	2,032,873	8,328,468	17,162,712	8,834,244	(5)
1931	72	2,559	3,325,312	15,460,384	27,515,739	12,055,355	(5)
1929	74	2,993	4,236,092	18,978,027	32,458,019	13,479,992	17,137
1927	61	3,226	4,524,232	19,222,384	31,195,807	11,973,423	19,213
1925	55	3,325	3,976,383	15,337,870	25,763,977	10,426,107	18,626
1923	50	3,651	4,075,904	14,590,638	24,366,097	9,775,459	(6)
921	47	2,915	3,573,149	13,401,858	21,342,004	7,940,146	(5)
1919	62	4,264	4,776,724	19,279,905	32,134,067	12,854,162	16,286
1914	57	3,129	1,853,548	9,367,922	13,732,824	4,364,902	12,845
1909	65	3,265	1,570,643	7,524,529	13,717,820	6,193,291	15,021
1904	58	2,864	1,528,512	6,186,139	10,034,685	3,848,546	14,230
1899	61	1,618	685,096	3,767,023	5,389,006	1,621,983	6,756

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] 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	Massachusetts	New York	Pennsylvania	Washington	Other States [1]
Number of establishments [2]	80	7	15	9	13	8	5	23
Proprietors and firm members	24	6	7		1	3		7
Persons reported by manufacturing establishments, total [3]	3,973	187	746	1,049	674	412	83	822
Salaried officers of corporations [3]	94	2	12	17	10	14	4	35
Manufacturing:								
Salaried employees [3]	501	29	103	142	63	49	13	102
Wage earners (average for the year) [4]	3,039	134	544	828	568	284	58	623
Distribution	231	10	88	37	12	51	7	31
Construction	100	12	8	25	20	11	1	28
Other	8		1		1	3		3
Salaries and wages, total [3]	$6,605,228	$338,164	$1,250,730	$2,049,120	$962,061	$658,861	$152,525	$1,193,767
Salaried officers [3]	712,908	11,232	108,945	264,954	73,806	96,043	16,130	141,798
Manufacturing:								
Salaries [3]	1,094,499	49,824	183,486	391,003	171,201	87,101	27,259	184,625
Wages	3,941,588	224,259	724,787	1,181,797	653,639	300,660	87,748	768,698
Distribution	687,202	26,866	226,832	169,531	24,060	151,649	20,667	67,597
Construction	162,272	25,983	6,600	41,835	37,275	20,354	721	29,504
Other	6,759		80		2,080	3,054		1,545
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	18,793,755	808,806	3,792,654	4,763,852	2,980,302	1,121,054	1,582,131	3,744,956
Materials, supplies, and containers	17,025,910	748,148	3,375,641	4,232,096	2,679,451	985,363	1,570,969	3,434,242
Fuel	1,592,196	58,212	400,403	475,204	265,009	131,927	1,871	259,570
Purchased electric energy	174,056	2,446	16,610	56,552	34,835	3,764	8,705	51,144
Contract work	1,593				1,007		586	
Value of products	34,331,639	1,467,361	6,590,345	8,514,433	5,842,189	2,371,347	2,285,324	7,260,640
Value added by manufacture [5]	15,537,884	658,555	2,797,691	3,750,581	2,861,887	1,250,293	703,193	3,515,684

[1] Connecticut, 1 establishment; Indiana, 4; Maryland, 2; Michigan, 2; Minnesota, 2; New Jersey, 6; Ohio, 1; Oklahoma, 1; Texas, 1; Virginia, 1; Wisconsin, 2.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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
Glue and Gelatin industry, all products, total value [1]	$34,331,639	$40,649,934	$32,458,019
Glue and gelatin	29,108,755	34,315,752	26,863,540
Miscellaneous products not specified	1,429,350	6,334,182	5,594,479
Other products (not classified in this industry)	[2] 3,209,277		
Scrap and salable refuse	107,685		
Merchandising	476,572	[3]	[3]
Glue and gelatin, aggregate value [1]	34,443,554	41,297,643	32,647,123
Glue and gelatin made in this industry	29,108,755	34,315,752	26,863,540
Glue and gelatin made as secondary products in other industries	5,334,799	6,981,891	5,783,583

[1] Includes an indeterminate amount of duplication due to the use of animal and vegetable glue in the manufacture of flexible glue.
[2] Chiefly value of bone meal, fertilizer materials, grease and tallow, and animal oils.
[3] No data.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE: 1939, 1937, AND 1929

KIND	1939	1937	1929
Glue and gelatin, aggregate value [1]	$34,443,554	$41,297,643	$32,647,123
Glue, total value	$23,885,651	$30,152,196	$24,589,638
Animal:			
Total pounds	101,092,117	121,126,566	106,380,612
Total value	$11,106,202	$17,386,088	$15,141,433
Hide and extracted-bone—			
Pounds	63,983,949	73,630,854	106,380,612
Value	$8,128,615	$12,493,337	$15,141,433
Green-bone—			
Pounds	37,108,168	47,495,712	
Value	$2,977,587	$4,892,751	
Vegetable:			
Pounds	178,474,477	229,995,918	133,152,385
Value	$9,106,285	$8,621,874	$6,141,686
Casein:			
Pounds	10,239,221	7,982,056	6,760,000
Value	$1,130,229	$1,072,395	$876,000
Flexible and fish [2]:			
Pounds	14,588,017	15,873,966	10,281,013
Value	$2,321,842	$2,411,581	$2,430,519
Kind and quantity not reported, value	$221,093	$660,258	
Gelatin:			
Total pounds	29,144,225	29,493,928	20,136,103
Total value	$10,557,903	$11,145,447	$8,057,485
Edible—			
Pounds	22,373,480	22,020,617	18,423,304
Value	$7,299,741	$7,789,419	$7,514,488

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE: 1939, 1937, AND 1929—Continued

KIND	1939	1937	1929
Glue and gelatin—Continued.			
Gelatin—Continued.			
Inedible and photographic [2]:			
Pounds	6,770,745	7,473,311	1,712,799
Value	$3,258,162	$3,356,028	$542,997

[1] Includes an indeterminate amount of duplication due to the use of animal and vegetable glue in the manufacture of flexible glue.
[2] Figures combined to avoid disclosing, exactly or approximately, the output of individual manufacturers.

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

	1939	
	Quantity	Value
Glue and gelatin [1]:		
Glue—	*Pounds*	
Hide and extracted-bone, total	63,983,949	$8,128,615
Illinois	9,123,047	1,288,125
Pennsylvania	10,677,467	1,403,134
Other States (Calif., Conn., Ind., Mass., Nebr., N. J., N. Y., Ohio, and Wis.)	44,183,435	5,437,356
Green-bone, total	37,108,168	2,977,587
Illinois	16,811,326	1,346,550
Other States (Calif., Ind., Iowa, Kans., Mass., Mo., Nebr., N. J., N. Y., Ohio, Pa., and Wis.)	20,296,842	1,631,037
Vegetable, total	178,474,477	9,106,285
Washington	36,321,005	1,718,442
Other States (Calif., Ill., Md., Mass., Mich., Minn., N. J., N. Y., Pa., Tex., Va., and Wis.)	142,153,472	7,387,843
Casein, total	10,239,221	1,130,229
Washington	2,142,023	241,649
Other States (Calif., Ill., Mass., Minn., N. J., N. Y., Pa., and Va.)	8,097,198	888,580
Flexible and fish, total [2]	14,588,017	2,321,842
New York	5,842,316	544,807
Other States (Calif., Ill., Md., Mass., Mich., N. J., Okla., Pa., Tex., and Wis.)	8,745,701	1,777,035
Kind and quantity not reported (Ill., La., Mass., Mich., Mo., N. Y., Ohio, and Pa.)		221,093
Gelatin:		
Edible (exclusive of photographic) (Ill., Mass., Mich., N. J., N. Y., and Wis.)	22,373,480	7,299,741
Inedible (capsule and sizing) and photographic [2] (Calif., Ill., Ind., Mass., Mich., N. J., N. Y., and N. C.)	6,770,745	3,258,162

[1] Includes an indeterminate amount of duplication due to the use of animal and vegetable glue in the manufacture of flexible glue.
[2] Figures combined to avoid disclosing, exactly or approximately, the output of individual manufacturers.

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	3,039	2,709	2,923	2,952	3,020	3,129	3,113	3,052	2,928	2,945	3,100	3,310	3,283
1937	3,547	3,553	3,611	3,657	3,671	3,674	3,621	3,538	3,332	3,352	3,495	3,532	3,527
1929	2,993	3,180	3,151	3,159	3,112	2,995	2,817	2,670	2,537	2,858	3,021	3,211	3,204
California	134	126	138	138	130	133	133	127	131	134	140	141	137
Illinois	544	510	533	564	578	558	540	502	521	520	542	578	583
Indiana	84	99	97	71	72	68	71	69	77	83	85	111	107
Massachusetts	828	719	879	866	886	877	861	859	736	745	772	880	854
New Jersey	177	165	169	169	173	177	180	182	180	180	179	187	183
New York	568	555	571	572	576	577	557	554	541	548	583	593	594
Pennsylvania	284	289	288	292	282	273	279	278	256	254	303	298	311
Washington	58	47	48	51	56	58	59	60	64	62	61	60	64

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	80
Reporting expenditures for plant and equipment	56
Value of products:	
Total for the industry	$34,331,639
Reporting expenditures for plant and equipment	29,185,966
Expenditures for plant and equipment:	
Total for the industry	742,888
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	196,118
Expenditures for new machinery and operating equipment	539,013
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	7,757

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

	1939	1937
Inventories:		
Beginning of year, total	$16,494,801	$11,023,734
Finished products	10,277,131	6,816,949
Materials, supplies, etc	6,217,670	4,206,785
End of year, total	14,607,516	16,567,797
Finished products	8,520,650	9,484,973
Materials, supplies, etc	6,086,866	7,082,824
Value of products for the industry, total	34,331,639	40,649,934
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	33,701,160	38,948,885
Value for establishments not reporting inventories	630,479	1,701,049

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

	1939	1929
Number of establishments	80	74
Number of establishments reporting power equipment	79	65
Prime movers, aggregate:		
Number	90	91
Horsepower	27,363	17,137
Prime movers, driving generators, total—		
Number	57	[1] 91
Horsepower	24,921	[1] 17,137

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

	1939	1929
Prime movers—Continued.		
Prime movers, driving generators—Continued.		
Steam engines—		
Number	30	[1] 77
Horsepower	11,914	[1] 12,257
Steam turbines—		
Number	26	[1] 10
Horsepower	12,857	[1] 4,855
Diesel and semi-Diesel engines—		
Number	1	[1] 4
Horsepower	150	[1] 25
Other internal-combustion engines [2]—		
Number	----	
Horsepower	----	
Prime movers, driving generators, ordinarily idle (included above), horsepower	1,700	
Prime movers not driving generators, total—		
Number	33	
Horsepower	2,442	
Steam engines—		
Number	23	
Horsepower	2,090	[3]
Steam turbines—		
Number	8	
Horsepower	270	
Diesel and semi-Diesel engines—		
Number	----	
Horsepower	----	
Other internal-combustion engines [2]—		
Number	2	
Horsepower	82	
Prime movers not driving generators, ordinarily idle (included above), horsepower	35	----
Generators, kilowatt rating, total	18,801	13,067
Generators, driven by—		
Steam engines, kilowatt rating	8,695	[3]
Steam turbines, kilowatt rating	10,006	
Diesel and semi-Diesel engines, kilowatt rating	100	
Generators, ordinarily idle (included above), kilowatt rating	1,145	[4]
Electric motors, total:		
Number	3,508	1,649
Horsepower	33,271	18,965
Driven by purchased energy—		
Number	1,237	651
Horsepower	10,561	6,447
Driven by energy generated in establishments reporting—		
Number	2,271	998
Horsepower	22,710	12,518
Electric energy (kilowatt-hours):		
Generated in plant	44,430,848	[4]
Sold	1,252,695	[3]
Purchased	11,917,227	6,357,026

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

GREASE AND TALLOW (EXCEPT LUBRICATING GREASES)

[A preliminary report for this industry was issued October 11, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the rendering of grease and tallow from animal fats, bones, meat scraps, etc. (Establishments manufacturing lubricating oils and greases are not included in this industry.)

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	310	5,201	$6,508,509	$38,114,978	$58,226,218	$20,111,240	13,659
1937	266	5,200	6,763,308	32,980,190	52,268,767	19,288,577	[5]
1935	259	4,761	5,389,829	22,213,977	39,836,202	17,622,225	[5]
1933	201	3,988	4,098,663	14,141,142	26,238,320	12,097,178	[5]
1931	238	4,067	5,224,902	17,532,576	29,240,848	11,708,272	[5]
1929	297	5,475	7,862,149	40,142,447	61,607,990	21,465,543	15,281
1927	247	5,052	7,402,936	38,272,446	56,279,958	18,007,512	14,029
1925	263	5,303	7,508,013	33,713,150	51,442,186	17,729,036	14,457
1923	254	5,248	7,004,170	31,274,806	48,633,681	17,358,875	[5]
1921	265	4,428	5,428,939	17,786,592	27,206,011	9,419,419	[5]
1919	482	6,647	7,954,378	47,756,341	67,265,206	19,508,865	18,582
1914	369	5,106	3,512,085	17,060,872	24,900,519	7,839,647	15,790
1909	353	4,357	2,629,239	15,543,439	23,419,395	7,875,956	13,644
1904	300	3,628	2,114,355	12,369,075	18,814,533	6,445,458	11,290
1899	287	2,040	1,066,693	8,751,797	11,953,021	3,201,224	7,824

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] 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	Iowa	Maryland	Massachusetts	Michigan
Number of establishments [1]	310	18	19	21	31	4	14	7
Proprietors and firm members	231	28	18	20	22	2	4	4
Persons reported by manufacturing establishments, total [2]	6,536	369	619	193	236	65	572	329
Salaried officers of corporations [2]	247	10	4	11	5	5	9	10
Manufacturing:								
Salaried employees [2]	595	35	40	12	23	2	54	22
Wage earners (average for the year) [3]	5,201	319	532	168	200	54	461	244
Distribution	324	3	4	2	2	2	33	27
Construction	136	2	39		6	2	8	5
Other	33						7	21
Salaries and wages, total [2]	$9,596,161	$624,460	$892,557	$236,825	$265,491	$90,518	$852,028	$541,189
Salaried officers [2]	1,079,936	40,041	28,100	12,695	8,195	21,160	35,247	68,775
Manufacturing:								
Salaries [2]	1,096,351	80,216	91,259	19,833	39,409	3,370	111,074	47,280
Wages	6,508,509	490,672	706,851	200,352	201,132	59,078	615,997	335,902
Distribution	657,464	4,723	10,820	3,945	10,260	4,259	71,858	45,543
Construction	206,599	8,808	55,527		6,495	2,651	12,516	8,673
Other	47,302						5,336	35,016
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	38,114,978	2,031,620	4,831,696	527,199	695,649	569,956	3,062,092	1,217,241
Materials, supplies, and containers	36,090,429	1,914,205	4,631,004	462,555	592,343	543,503	2,870,688	1,121,530
Fuel	1,260,269	64,012	169,028	49,438	54,358	14,141	99,981	61,437
Purchased electric energy	640,132	41,973	31,664	15,206	40,628	11,562	91,423	34,274
Contract work	24,148	11,430			8,320	750		
Value of products	58,226,218	3,514,067	7,246,712	1,028,853	1,529,318	756,709	4,645,195	2,361,024
Value added by manufacture [4]	20,111,240	1,482,447	2,415,016	501,654	833,669	186,753	1,583,103	1,143,783

See footnotes at end of table.

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

ITEM	Minnesota	Nebraska	New Jersey	New York	Ohio	Pennsylvania	Virginia	Wisconsin	Other States [5]
Number of establishments [1]	10	11	17	22	31	39	5	14	47
Proprietors and firm members	7	2	9	19	30	33	2	7	24
Persons reported by manufacturing establishments, total [2]	71	90	452	979	771	834	164	139	654
Salaried officers of corporations [2]	9	10	28	16	34	22	9	15	50
Manufacturing:									
Salaried employees [2]	9	7	36	115	62	69	12	13	84
Wage earners (average for the year) [3]	46	71	345	768	624	657	142	107	464
Distribution	7		35	53	35	79	1	3	38
Construction		1	6	27	16	7		1	16
Other		1	2						2
Salaries and wages, total [2]	$115,973	$126,946	$789,001	$1,583,504	$1,056,099	$1,100,659	$228,753	$200,520	$891,638
Salaried officers [2]	47,320	41,475	132,640	113,641	138,902	97,473	66,600	46,500	181,172
Manufacturing:									
Salaries [2]	11,003	12,990	69,003	204,372	119,247	119,976	21,626	18,609	127,084
Wages	48,504	69,581	512,535	1,069,326	682,849	738,305	136,034	127,433	513,958
Distribution	9,146		66,361	154,510	83,707	134,475	4,493	6,807	46,557
Construction		1,200	6,962	41,655	31,394	10,430		1,171	19,117
Other		1,700	1,500						3,750
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	161,449	188,103	4,433,785	5,248,601	5,363,632	4,446,019	586,214	650,640	4,101,082
Materials, supplies, and containers	133,166	150,424	4,288,678	4,969,359	5,163,679	4,205,135	555,193	598,333	3,890,634
Fuel	17,365	23,698	112,348	215,433	122,504	159,794	22,703	31,086	142,943
Purchased electric energy	10,918	13,981	32,759	63,341	76,544	81,032	8,318	21,221	65,288
Contract work				468	905	58			2,217
Value of products	458,501	504,056	5,840,852	8,001,050	7,437,403	6,840,346	930,366	971,898	6,159,868
Value added by manufacture [4]	297,052	315,953	1,407,067	2,752,449	2,073,771	2,394,327	344,152	321,258	2,058,786

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Colorado, 6 establishments; Connecticut, 2; Delaware, 2; District of Columbia, 1; Florida, 1; Georgia, 1; Idaho, 2; Kansas, 3; Kentucky, 2; Maine, 1; Missouri, 6; Nevada, 1; New Hampshire, 1; Oklahoma, 2; Oregon, 3; Rhode Island, 3; South Dakota, 2; Texas, 4; Vermont, 1; Washington, 2; West Virginia, 1.

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

	1939	1937	1929
Grease and Tallow (Except Lubricating Greases) industry, all products, total value	$58,226,218	$52,268,767	$61,607,990
Grease and tallow	32,229,687	29,810,981	32,618,525
Miscellaneous products not specified	6,254,891		
Other products (not classified in this industry	[1] 17,278,663	22,457,786	28,989,465
Receipts for contract work	97,751		
Scrap and salable refuse	1,859,009		
Merchandising	506,217	(2)	(2)
Grease and tallow (except lubricating greases), aggregate value	64,888,864	64,128,602	67,872,449
Grease and tallow made in this industry	32,229,687	29,810,981	32,618,525
Grease and tallow made as secondary products in other industries [3]	32,659,177	34,317,621	35,253,924

[1] Principally value of glue, fertilizer and fertilizer material, poultry and animal feed, and bone meal.
[2] No data.
[3] Principally the "Meat packing, wholesale" industry.

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

PRODUCT	1939	1937	1929
Grease and tallow, aggregate value	$64,888,864	$64,128,602	$67,872,449
Grease (including soap stock):			
Pounds	501,538,273	339,481,737	(1)
Value	$20,601,411	$21,906,757	$26,292,884
Tallow:			
Total pounds	870,681,898	568,034,827	(1)
Total value	$44,287,453	$42,221,845	$41,579,565
Edible—			
Pounds	80,007,298	62,352,668	(1)
Value	$4,260,860	$4,886,448	
Inedible—			
Pounds	790,674,600	505,682,159	
Value	$40,026,593	$37,335,397	

[1] No data.

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

	1939	
	Quantity	Value
	Pounds	
Grease (including soap stock), total	501,538,273	$20,601,411
California	22,241,782	545,717
Florida	2,221,156	68,732
Georgia	12,485,931	300,674
Illinois	45,545,594	2,291,594
Indiana	22,520,744	1,024,794
Iowa	42,136,710	1,967,484
Kansas	12,341,804	568,859
Kentucky	10,735,769	252,655
Maryland	5,111,726	217,443
Massachusetts	21,968,864	1,060,318
Michigan	4,152,204	176,742
Minnesota	20,311,350	818,649
Missouri	25,218,204	1,155,717
Nebraska	8,627,470	406,768
New Jersey	30,295,930	1,132,748
New York	62,945,400	3,081,167
Ohio	19,438,678	932,003
Oklahoma	2,555,715	74,930
Pennsylvania	39,841,978	1,830,796
Texas	21,037,258	365,619
Wisconsin	12,976,270	602,060
Other States (Ala., Ariz., Ark., Colo., Conn., Del., La., Maine, Miss., Mont., N. H., N. Mex., N. C., Oreg., R. I., S. C., S. Dak., Tenn., Utah, Vt., Va., Wash., W. Va.)	56,827,736	1,725,942
Tallow, total	870,681,898	44,287,453
Edible, total	80,007,298	4,260,860
California	7,350,545	369,624
Illinois	4,787,306	257,416
Indiana	2,208,343	128,754
Kansas	3,681,907	198,017
Missouri	3,956,007	222,669
Nebraska	3,429,544	183,199
New York	5,735,499	298,145
Ohio	2,563,703	130,707
Oklahoma	1,040,123	53,948
Pennsylvania	967,973	56,315
Texas	2,499,456	142,101
Washington	1,952,664	97,287

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

	1939	
	Quantity	Value
Tallow—Continued.		
Edible—Continued.		
Other States (Ala., Ariz., Ark., Colo., Ga., Idaho, Iowa, Ky., La., Maine, Md., Mass., Mich., Minn., Mont., Nev., N. J., N. Mex., N. Dak., Oreg., R. I., S. C., S. Dak., Tenn., Utah, Va., W. Va., Wis.)	*Pounds* 39,834,228	$2,122,678
Inedible, total	790,674,600	40,026,593
California	84,162,845	3,590,338
Colorado	7,324,516	358,626
Illinois	111,529,844	5,592,745
Indiana	10,455,790	558,385
Iowa	18,697,542	961,206
Kansas	26,305,767	1,374,944
Kentucky	2,781,697	142,295
Massachusetts	42,332,833	2,289,428
Michigan	29,673,021	1,473,758

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

	1939	
	Quantity	Value
Tallow—Continued.		
Inedible—Continued.		
Minnesota	*Pounds* 28,614,487	$1,461,730
Missouri	30,332,820	1,453,793
Nebraska	16,801,400	835,364
New Jersey	77,310,331	4,191,910
New York	73,640,138	3,966,726
Ohio	72,417,663	3,720,309
Oregon	2,318,266	126,214
Pennsylvania	52,033,087	2,813,153
Texas	11,341,178	558,098
Washington	8,221,379	223,518
Wisconsin	13,593,752	671,445
Other States (Ala., Ariz., Ark., Conn., Del., D. C., Fla., Ga., Idaho, La., Maine, Md., Mont., Nev., N. H., N. Mex., N. C., N. Dak., Okla., R. I., S. C., S. Dak., Tenn., Utah, Vt., Va., W. Va., Wyo.)	70,786,244	3,662,608

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	5,201	5,074	5,035	5,116	5,129	5,212	5,234	5,211	5,239	5,256	5,229	5,331	5,350
1937	5,200	4,983	5,043	5,054	5,191	5,184	5,229	5,308	5,401	5,402	5,281	5,185	5,136
1929	5,475	5,417	5,392	5,420	5,453	5,383	5,419	5,592	5,628	5,597	5,525	5,461	5,411
California	319	311	320	319	318	316	325	320	316	317	314	324	324
Illinois	532	527	502	532	539	531	519	498	519	510	549	576	583
Indiana	168	176	161	160	159	175	169	169	169	160	174	175	174
Iowa	200	181	186	195	205	204	209	211	206	216	197	198	193
Kansas	87	79	83	83	83	81	85	93	85	93	91	93	91
Maryland	54	50	50	53	52	51	53	54	54	57	56	59	59
Massachusetts	461	451	447	452	457	463	469	467	469	462	469	465	457
Michigan	244	238	243	244	245	246	243	242	240	242	246	248	252
Minnesota	46	48	48	43	42	42	43	55	50	50	42	46	44
Missouri	35	33	33	33	35	36	35	36	36	36	37	36	36
Nebraska	71	59	60	62	68	75	76	76	86	76	71	71	71
New Jersey	345	337	343	344	343	345	341	340	353	350	347	350	347
New York	768	764	746	752	732	783	793	773	770	774	782	770	778
Ohio	624	607	597	607	598	595	614	627	626	656	635	664	665
Oregon	10	10	10	10	10	10	10	10	10	10	9	9	9
Pennsylvania	657	645	650	663	673	668	659	637	651	660	642	664	670
Rhode Island	27	27	27	27	27	27	27	27	27	27	27	27	27
Texas	27	27	24	25	23	24	26	30	28	32	28	31	29
Virginia	142	135	140	136	138	150	147	139	147	142	142	144	146
Wisconsin	107	103	102	105	107	112	112	111	107	104	104	106	106

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	310
Reporting expenditures for plant and equipment	218
Value of products:	
Total for the industry	$58, 226, 218
Reporting expenditures for plant and equipment	48, 689, 729
Expenditures for plant and equipment:	
Total for the industry	1, 798, 293
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	508, 993
Expenditures for new machinery and operating equipment	1, 213, 267
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	76, 033

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, 669, 780	$4, 512, 156
Finished products	3, 975, 972	3, 465, 300
Materials, supplies, etc	693, 808	1, 046, 856
End of year, total	5, 059, 438	4, 385, 893
Finished products	3, 933, 046	3, 371, 359
Materials, supplies, etc	1, 126, 392	1, 014, 534
Value of products for the industry, total	58, 226, 218	52, 268, 767
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	57, 359, 834	50, 484, 968
Value for establishments not reporting inventories	866, 384	1, 783, 799

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

	1939	1929
Number of establishments	310	297
Number of establishments reporting power equipment	309	284
Prime movers, aggregate:		
Number	128	216
Horsepower	13, 659	15, 281
Prime movers, driving generators, total—		
Number	26	[1] 216
Horsepower	9, 410	[1] 15, 281
Steam engines—		
Number	19	[1] 194
Horsepower	7, 170	[1] 13, 967
Steam turbines—		
Number	1	[1] 12
Horsepower	600	[1] 1, 148
Diesel and semi-Diesel engines—		
Number	2	[1] 9
Horsepower	240	
Other internal-combustion engines [2]—		[1] 136
Number	4	
Horsepower	1, 400	
Hydroturbines and water wheels—		
Number	----------	[1] 1
Horsepower	----------	[1] 30
Prime movers, driving generators, ordinarily idle (included above), horsepower	775	
Prime movers not driving generators, total—		
Number	102	[3]
Horsepower	4, 249	
Steam engines—		
Number	81	
Horsepower	3, 274	
Steam turbines—		
Number	5	
Horsepower	610	

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

	1939	1929
Prime movers—Continued.		
Prime movers not driving generators—Continued.		
Internal-combustion engines,[2] other than Diesel and semi-Diesel—		
Number	15	[3]
Horsepower	335	
Hydroturbines and water wheels—		
Number	1	
Horsepower	30	
Prime movers not driving generators, ordinarily idle (included above), horsepower	738	
Generators, kilowatt rating, total	6, 907	4, 528
Generators, driven by—		
Steam engines, kilowatt rating	5, 162	[3]
Steam turbines, kilowatt rating	500	
Diesel and semi-Diesel engines, kilowatt rating	185	
Other internal-combustion engines,[2] kilowatt rating	1, 060	
Generators, ordinarily idle (included above), kilowatt rating	550	[4]
Electric motors, total:		
Number	3, 639	2, 348
Horsepower	45, 122	36, 704
Driven by purchased energy—		
Number	3, 009	1, 661
Horsepower	37, 380	26, 405
Driven by energy generated in establishments reporting—		
Number	630	687
Horsepower	7, 742	10, 299
Electric energy (kilowatt-hours):		
Generated in plant	12, 037, 433	[4]
Sold	169, 144	[3]
Purchased	31, 500, 313	15, 710, 662

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

LUBRICATING OILS AND GREASES—NOT MADE IN PETROLEUM REFINERIES

[A preliminary report for this industry was issued October 1, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the compounding of lubrication oils and greases from purchased oils, fats, and miscellaneous chemical compounds and in the reclaiming of used lubricating oils.

The above definition covers this industry from 1929 to 1933, inclusive, but the 1935 and censuses prior to 1929 include the manufacture of lubricating greases only. At the 1935 census and censuses prior to 1929 many manufacturers of lubricating greases outside of the Petroleum Refining industry were unable to report the values of greases made separately from that of oils blended, and consequently the figures for costs of materials and value of products for these years included considerable amounts representing the cost of materials used in the blending of oils and the value of oils blended. The figures for 1935 in table 1, therefore, are not exactly comparable.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1929 TO 1939

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	232	2,128	$2,713,225	$28,930,504	$49,056,857	$20,126,353	6,865
1937	195	2,231	2,839,411	25,387,284	44,112,635	18,725,351	[5]
1935	180	1,933	2,281,763	20,972,421	36,068,869	15,096,448	[6]
1933	158	1,794	2,086,928	16,773,979	28,701,505	11,927,526	[5]
1931	168	2,115	2,959,972	22,808,976	41,703,690	18,894,714	[5]
1929 [7]	177	2,577	3,738,637	39,571,373	69,584,246	30,012,873	7,204

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] Data not available.
[7] No comparable figures 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	Colorado	Illinois	Indiana	Kansas	Maryland	Michigan	Minnesota
Number of establishments [1]	232	20	6	17	4	10	6	9	13
Proprietors and firm members	75	15	5	6	----	3	2	3	7
Persons reported by manufacturing establishments, total [2]	4,183	127	26	245	87	183	123	212	113
Salaried officers of corporations [2]	247	7	3	20	9	13	15	11	10
Manufacturing:									
Salaried employees [2]	703	17	3	40	6	13	20	39	11
Wage earners (average for the year) [3]	2,128	53	12	109	23	68	30	121	48
Distribution	1,035	47	8	75	48	84	58	38	42
Construction	37	----	----	1	1	2	----	3	----
Other	33	3	----	----	----	3	----	----	2
Salaries and wages, total [2]	$7,648,324	$202,065	$27,185	$492,417	$179,197	$296,234	$225,028	$480,680	$196,549
Salaried officers [2]	1,263,091	19,995	4,690	93,442	36,480	76,520	55,212	84,908	53,550
Manufacturing:									
Salaries [2]	1,428,134	30,715	2,911	74,362	9,620	19,512	28,214	86,079	16,740
Wages	2,713,225	70,369	10,742	124,414	21,754	70,643	36,945	188,149	57,574
Distribution	2,165,059	78,927	8,842	198,344	110,315	124,230	104,657	116,864	66,285
Construction	49,033	----	----	1,855	1,028	2,575	----	4,680	----
Other	29,782	2,059	----	----	----	2,754	----	----	2,400
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	28,930,504	766,978	30,284	1,857,265	324,422	901,516	431,825	1,042,536	901,056
Materials, supplies, and containers	28,250,108	753,023	26,747	1,819,367	318,965	889,790	424,627	1,017,599	888,481
Fuel	455,955	8,270	1,042	17,151	2,945	5,532	5,208	12,515	7,350
Purchased electric energy	207,897	5,685	2,495	12,290	2,512	6,194	1,990	12,422	5,225
Contract work	16,544	----	----	8,457	----	----	----	----	----
Value of products	49,056,857	1,356,555	83,689	3,248,965	413,853	1,531,304	1,004,905	2,121,042	1,342,445
Value added by manufacture [4]	20,126,353	589,577	53,405	1,391,700	89,431	629,788	573,080	1,078,506	441,389

See footnotes at end of table.

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

ITEM	Missouri	New Jersey	New York	Ohio	Oklahoma	Pennsylvania	Washington	Wisconsin	Other States [5]
Number of establishments [1]	7	18	15	27	6	32	4	12	26
Proprietors and firm members	1	2	1	4	2	6	2	4	12
Persons reported by manufacturing establishments, total [2]	190	386	184	493	112	1,232	17	128	327
Salaried officers of corporations [2]	9	8	20	39	10	40		14	19
Manufacturing:									
Salaried employees [2]	28	57	38	66	17	282	3	19	44
Wage earners (average for the year) [3]	118	253	82	222	40	751	5	54	141
Distribution	31	65	44	163	43	126	4	39	120
Construction		2			1	18	5	1	3
Other	4	1		3	1	15		1	
Salaries and wages, total [2]	$343,865	$786,282	$307,847	$894,496	$185,324	$2,153,787	$14,712	$257,711	$604,945
Salaried officers [2]	63,961	87,100	86,176	155,146	52,826	223,608		60,854	108,623
Manufacturing:									
Salaries [2]	52,614	146,662	76,360	128,391	23,251	619,424	3,909	36,987	72,383
Wages	144,781	357,819	106,167	291,993	42,102	957,170	4,039	69,597	158,967
Distribution	77,029	192,676	39,144	316,233	64,811	315,235	5,797	87,136	258,534
Construction		1,765			1,213	27,043	967	1,469	6,438
Other	5,480	260		2,733	1,121	11,307		1,668	
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	979,255	5,205,441	835,765	2,479,033	577,630	10,417,307	18,427	679,358	1,482,406
Materials, supplies, and containers	957,995	5,130,597	790,402	2,415,844	569,193	10,102,448	17,164	668,435	1,459,431
Fuel	8,775	54,257	31,980	43,852	4,250	231,925	758	7,226	12,919
Purchased electric energy	12,485	15,081	10,802	19,337	4,187	82,934	505	3,697	10,056
Contract work		5,506	2,581						
Value of products	1,811,114	8,514,125	1,525,917	4,633,748	999,502	15,734,504	61,227	1,345,340	3,328,622
Value added by manufacture [4]	831,859	3,308,684	690,152	2,154,715	421,872	5,317,197	42,800	665,982	1,846,216

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[3] See GENERAL EXPLANATIONS—Wage earners and wages.
[4] Value of products less cost of materials, supplies, containers, fuel, purchased electric energy, and contract work See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Alabama, 1 establishment; Arkansas, 2; Florida, 1; Georgia, 1; Iowa, 3; Louisiana, 2; Massachusetts, 4; Montana, 1; Nebraska, 1; North Dakota, 1; Oregon, 2; Rhode Island, 1; South Dakota, 1; Tennessee, 1; Texas, 4.

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

	1939	1937
Lubricating Oils and Greases—Not Made in Petroleum Refineries industry, all products, total value	$49,056,857	$44,112,635
Lubricating oils and greases	41,617,859	36,636,938
Miscellaneous products not specified	2,397,500	7,475,697
Other products not classified in this industry [1]	4,462,352	
Receipts for contract work	289,430	
Merchandising	289,716	(2)
Lubricating oils and greases, aggregate value	43,035,734	37,183,636
Lubricating oils and greases made in this industry	41,617,859	36,636,938
Lubricating oils and greases made as secondary products in other industries, not including the "Petroleum refining" industry	1,417,875	546,698

[1] Chiefly value of various oils, greases, tallow, candles, insecticides, disinfectants, soap, and cleaning and polishing preparations.
[2] No data.

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

	1939	1937
Lubricating oils and greases, aggregate value [1]	$43,035,734	$37,183,636
Lubricating oils, total value	$26,101,029	$20,194,377
Made:		
Quantity reported:		
Gallons	29,522,673	83,077,956
Value	$7,649,019	$19,581,391
Quantity not reported, value	$486,307	
Compounded or blended:		
Gallons	61,052,418	
Value	$16,715,504	
Reclaimed:		
Gallons	8,090,530	4,732,578
Value	$1,250,199	$612,986
Lubricating greases:		
Pounds	285,123,859	278,419,213
Value	$16,274,702	$16,442,561
Lubricants (kind and quantity not reported), value	$660,003	$546,698

[1] These figures are not included in the production of lubricating oils and greases shown in the "Petroleum refining" industry report.

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

KIND AND STATE	1939	
	Quantity	Value
Lubricating oils [1]:		
Made—	*Gallons*	
Quantity reported, total	29,522,673	$7,649,019
California	899,150	48,087
Illinois	1,995,957	609,775
Ohio	1,660,205	529,955
Pennsylvania	17,118,830	3,137,011
Wisconsin	1,174,188	520,188
Other States (Ark., Ga., Ind., Iowa, Kans., La., Mich., Minn., Mont., N. J., N. Y., Okla., R. I., S. Dak., Tenn., Tex., and Wash.)	6,674,343	2,804,003
Quantity not reported (Ill., Ind., N. Y., Pa., and Wis.)		486,307
Compounded or blended, total	61,052,418	16,715,504
Illinois	3,064,791	1,170,441
Kansas	2,762,899	799,237
Maryland	1,731,512	788,692
Michigan	925,344	216,698
Minnesota	1,502,185	348,098
Missouri	1,703,566	469,032
New Jersey	11,869,333	3,953,905
New York	1,396,223	441,210
Ohio	5,281,050	1,823,011
Oklahoma	2,693,069	703,332
Pennsylvania	21,880,279	4,058,037
Wisconsin	1,209,409	393,517
Other States (Ark., Calif., Colo., Ind., Iowa, Mass., Nebr., R. I., and Wash.)	5,032,758	1,550,294
Reclaimed, total	8,090,530	1,250,199
California	1,403,961	213,973
Colorado	155,384	33,009
Minnesota	262,306	78,139
Other States (Ala., Fla., Ind., Kans., Mich., Mo., N. J., N. Y., Ohio, Oreg., Pa., Tex., Wash., and Wis.)	6,268,879	925,078
	Pounds	
Lubricating greases, total [1]	285,123,859	16,274,702
California	5,193,572	429,541
Illinois	17,932,918	522,439
Kansas	7,758,294	441,403

[1] These figures do not include the production of lubricating oils and greases shown in the "Petroleum refining" industry report.

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

KIND AND STATE	1939	
	Quantity	Value
Lubricating greases—Continued.	*Pounds*	
Maryland	2,944,756	$216,213
Michigan	13,924,515	813,691
Minnesota	5,674,857	374,451
Missouri	27,637,845	1,079,598
New Jersey	28,322,037	2,151,928
New York	9,674,993	432,317
Ohio	34,454,387	1,996,406
Pennsylvania	93,415,540	5,607,578

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

KIND AND STATE	1939	
	Quantity	Value
Lubricating greases—Continued.	*Pounds*	
Wisconsin	2,081,117	$119,274
Other States (Colo., Ga., Ind., Iowa, La., Mass., Mont., Nebr., N. Dak., Okla., R. I., Tenn., and Tex.)	31,111,028	2,089,863
Lubricants, kind and quantity not reported (Ill., Ind., Mo., and N. J.)	----------	660,003

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	2,128	1,992	2,018	2,073	2,120	2,152	2,125	2,100	2,115	2,141	2,251	2,231	2,223
1937	2,231	2,167	2,196	2,243	2,298	2,310	2,306	2,290	2,258	2,221	2,228	2,163	2,091
1929	2,577	2,530	2,487	2,478	2,485	2,698	2,704	2,742	2,690	2,648	2,549	2,509	2,400
California	53	54	52	53	53	53	52	52	53	55	51	53	53
Colorado	12	12	12	12	12	12	12	12	12	11	11	11	11
Illinois	109	100	103	106	107	108	108	108	106	109	118	116	114
Indiana	23	22	21	22	22	22	22	26	25	25	24	23	24
Iowa	8	7	7	7	10	8	9	9	9	9	9	9	9
Kansas	68	63	64	69	74	72	77	67	67	67	64	65	67
Maryland	30	29	29	28	29	31	31	29	29	32	31	30	31
Massachusetts	22	22	22	20	21	21	21	21	21	22	24	24	24
Michigan	121	115	117	120	120	139	116	116	123	120	122	119	122
Minnesota	48	45	45	47	49	49	49	50	50	48	47	47	45
Missouri	118	90	107	128	135	136	137	121	119	117	119	105	100
New Jersey	253	230	227	238	246	247	242	249	247	255	278	292	286
New York	82	79	80	77	81	81	81	82	84	82	84	86	87
Ohio	222	221	223	220	223	219	221	221	219	220	221	230	229
Oklahoma	40	32	32	36	41	42	43	41	43	42	41	41	40
Pennsylvania	751	718	708	718	726	736	723	727	728	752	826	827	823
Texas	25	28	28	28	28	28	29	29	29	28	28	8	8
Washington	5	3	4	4	4	6	6	6	6	5	5	6	6
Wisconsin	54	47	49	48	50	52	55	55	62	62	61	56	53

TABLE 7.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	232
Reporting expenditures for plant and equipment	128
Value of products:	
Total for the industry	$49,056,857
Reporting expenditures for plant and equipment	37,007,462
Expenditures for plant and equipment:	
Total for the industry	891,717
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	493,190
Expenditures for new machinery and operating equipment	335,813
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	62,588
Expenditures unclassified	126

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

	1939	1937
Inventories:		
Beginning of year, total	$5,955,125	$5,924,731
Finished products	3,235,926	2,882,281
Materials, supplies, etc.	2,719,199	3,042,450
End of year, total	7,326,104	6,225,319
Finished products	3,742,361	3,173,585
Materials, supplies, etc.	3,583,743	3,051,734
Value of products for the industry, total	49,056,857	44,112,635
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	44,242,478	42,281,413
Value for establishments not reporting inventories	4,814,379	1,831,222

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

	1939	1929
Number of establishments	232	177
Number of establishments reporting power equipment	231	162
Prime movers, aggregate:		
Number	66	87
Horsepower	6,865	7,204
Prime movers, driving generators, total—		
Number	14	[1] 87
Horsepower	4,765	[1] 7,204
Steam engines—		
Number	12	[1] 67
Horsepower	3,330	[1] 6,088
Steam turbines—		
Number	2	[1] 12
Horsepower	1,435	[1] 1,018
Diesel and semi-Diesel engines—		
Number	—	[1] 8
Horsepower	—	[1] 98
Other internal-combustion engines [2]—		
Number	—	
Horsepower	—	
Prime movers, driving generators, ordinarily idle (included above), horsepower	3,180	
Prime movers not driving generators, total—		
Number	52	
Horsepower	2,100	
Steam engines—		
Number	28	[3]
Horsepower	1,868	
Steam turbines—		
Number	1	
Horsepower	5	
Diesel and semi-Diesel engines—		
Number	1	
Horsepower	60	
Other internal-combustion engines [2]—		
Number	22	[3]
Horsepower	167	
Hydroturbines and water wheels—		
Number	—	
Horsepower	—	
Prime movers not driving generators, ordinarily idle (included above), horsepower	343	
Generators, kilowatt rating, total	3,247	2,508
Generators, driven by—		
Steam engines, kilowatt rating	2,297	[3]
Steam turbines, kilowatt rating	950	
Generators, ordinarily idle (included above), kilowatt rating	2,100	[4]
Electric motors, total:		
Number	2,808	1,410
Horsepower	14,908	10,743
Driven by purchased energy—		
Number	2,596	974
Horsepower	12,071	6,077
Driven by energy generated in establishments reporting—		
Number	212	436
Horsepower	2,835	4,666
Electric energy (kilowatt-hours):		
Generated in plant	909,559	[4]
Purchased	11,787,463	2,969,326

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

FIREWORKS

[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 fireworks of all kinds, flares, railroad torpedoes, and fusees. Safety fuses, formerly classified in this industry, are now classified in the Explosives industry. A special tabulation was made of the 1937 manufactures 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 [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work	Value of products	Value added by manufacture [3]	Horsepower of prime movers
1939	59	1,158	$987,446	$1,852,715	$4,628,181	$2,775,466	25
1937 [4]	46	1,451	1,200,943	2,064,167	5,366,482	3,302,315	(5)

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[4] Revised. See "Description of the industry," above.
[5] 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	Ohio	Pennsylvania	Other States [1]
Number of establishments [2]	59	4	11	8	10	26
Proprietors and firm members	20	2	2	2	4	10
Persons reported by manufacturing establishments, total [3]	1,394	73	177	139	188	817
Salaried officers of corporations [3]	55	2	14	6	8	25
Manufacturing:						
Salaried employees [3]	135	6	14	21	11	83
Wage earners (average for the year) [4]	1,158	63	142	112	165	676
Distribution	30	1	6	----	4	19
Construction	9	1	----	----	----	8
Other	7	----	1	----	----	6
Salaries and wages, total [3]	$1,511,569	$88,407	$240,631	$169,950	$145,175	$867,406
Salaried officers [3]	240,286	14,610	81,370	32,300	13,600	98,406
Manufacturing:						
Salaries [3]	214,471	8,412	29,157	42,930	19,854	114,118
Wages	987,446	57,945	117,308	94,720	107,201	610,272
Distribution	56,110	6,123	12,296	----	4,520	33,171
Construction	8,700	1,317	----	----	----	7,383
Other	4,556	----	500	----	----	4,056

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

ITEM	United States	Illinois	New Jersey	Ohio	Pennsylvania	Other States [1]
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	$1,852,715	$128,300	$222,835	$245,974	$162,758	$1,092,848
Materials, supplies, and containers	1,763,767	124,880	207,248	237,438	156,296	1,037,905
Fuel	63,859	630	11,436	6,401	4,367	41,025
Purchased electric energy	25,089	2,790	4,151	2,135	2,095	13,918
Contract work	----	----	----	----	----	----
Value of products	4,628,181	267,127	689,405	671,518	440,634	2,559,497
Value added by manufacture [5]	2,775,466	138,827	466,570	425,544	277,876	1,466,649

[1] California, 3 establishments; Colorado, 1; Connecticut, 3; Delaware, 1; Indiana, 1; Iowa, 3; Maryland, 2; Massachusetts, 3; Missouri, 1; New York, 5; Texas, 2; Washington, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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

PRODUCT	1939	1937 [1]
Fireworks industry, all products, total value	$4,628,181	$5,366,482
Fireworks	4,552,906	5,353,206
Other products (not classified in this industry)	[2] 75,275	13,276
Fireworks, aggregate value	4,552,906	5,377,357
Fireworks made in this industry	4,552,906	5,353,206
Fireworks made as secondary products in other industries	(3)	24,151

[1] Revised.
[2] Principally value of gunpowder, ammunition, reflectors, mirrors, rodent exterminators, flags and banners.
[3] None reported.

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

PRODUCT	1939	1937 [1]
Fireworks, aggregate value	$4,552,906	$5,377,357
Fireworks, total	2,709,689	3,166,103
Novelty	1,081,663	1,339,565
Display	677,307	729,052
Other	950,719	1,097,486
Flares and fusees (highway, railroad, marine, and aviation)	1,560,953	1,721,439
Railroad torpedoes and miners' squibs, etc.	282,264	489,815

[1] Revised.

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	1,158	1,013	1,204	1,284	1,482	1,452	1,408	840	810	908	1,025	1,323	1,144
1937	1,451	1,203	1,317	1,597	1,723	1,740	1,803	1,338	1,151	1,382	1,421	1,392	1,345
Illinois	63	57	55	62	62	62	78	63	64	64	61	66	67
Iowa	14	10	9	11	14	16	20	16	21	15	13	15	14
Massachusetts	138	104	88	92	228	243	228	85	91	84	87	242	81
New Jersey	142	113	168	180	191	186	161	130	83	119	119	135	116
New York	118	96	112	157	217	182	171	93	74	59	84	91	85
Ohio	112	115	135	138	130	125	141	80	93	93	86	97	115
Pennsylvania	165	157	171	156	190	178	162	130	131	158	202	175	167

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	59
Reporting expenditures for plant and equipment	27
Value of products:	
Total for the industry	$4,628,181
Reporting expenditures for plant and equipment	3,345,250
Expenditures for plant and equipment:	
Total for the industry	167,406
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	42,871
Expenditures for new machinery and operating equipment	114,295
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	10,240

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

	1939	1937
Inventories:		
Beginning of year, total	$1,475,648	$1,097,544
Finished products	616,941	549,018
Materials, supplies, etc.	858,707	548,526
End of year, total	1,491,019	1,274,697
Finished products	555,820	560,584
Materials, supplies, etc.	935,199	714,113
Value of products for the industry, total	4,628,181	[1] 5,366,482
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	4,492,597	5,198,309
Value for establishments not reporting inventories	135,584	168,173

[1] Revised.

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

	1939	1929
Number of establishments	59	50
Number of establishments reporting power equipment	55	26
Prime movers, aggregate:		
Number	1	7
Horsepower	25	272
Prime movers, driving generators, total—		
Number		[1] 7
Horsepower		[1] 272
Steam engines—		
Number		[1] 4
Horsepower		[1] 200
Diesel and semi-Diesel engines—		
Number		[1] 2
Horsepower		[1] 40
Other internal-combustion engines [2]—		
Number		
Horsepower		
Hydroturbines and water wheels—		
Number		[1] 1
Horsepower		[1] 32
Prime movers, steam engines, not driving generators—		
Number	1	(3)
Horsepower	25	
Electric motors, driven by purchased energy:		
Number	528	346
Horsepower	1,303	1,474
Electric energy purchased (kilowatt-hours)	855,852	1,106,969

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.

CANDLES

[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 candles for lighting or for decorative and ceremonial purposes, from such materials as fatty acids, mineral or animal waxes.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	28	840	$816,811	$3,337,684	$6,329,179	$2,991,495	1,093
1937	22	725	686,003	2,624,206	5,351,513	2,727,307	(5)
1935	23	713	598,938	2,400,349	4,734,485	2,334,136	(6)
1933	19	673	561,248	1,844,417	4,128,082	2,283,665	(5)
1931	23	713	711,459	2,480,770	5,396,198	2,915,428	(5)
1929	20	781	923,039	3,250,627	6,686,194	3,435,567	1,503
1927	17	709	761,464	2,958,987	6,350,931	3,391,944	624
1925	20	626	672,691	2,786,247	5,114,292	2,328,045	612
1923	21	746	753,919	2,392,948	5,079,884	2,686,936	(6)
1921	20	609	589,737	2,090,807	3,776,911	1,686,104	(5)
1919	19	541	437,581	2,178,528	3,350,806	1,172,278	545
1914	15	387	183,007	1,118,575	1,730,723	612,148	341
1909	16	539	246,290	2,176,102	3,130,521	954,419	744
1904 [7]	17	816	293,935	2,911,215	3,889,362	978,147	921

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] Data not available.
[7] No comparable figures for 1899.

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

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

ITEM	United States	California	New York	Other States [1]
Number of establishments [2]	28	4	13	11
Proprietors and firm members	9	1	3	5
Persons reported by manufacturing establishments, total [3]	1,188	31	844	313
Salaried officers of corporations [2]	48	4	37	7
Manufacturing:				
Salaried employees [2]	94	5	54	35
Wage earners (average for the year) [4]	840	18	586	236
Distribution	204	4	165	35
Construction				
Other	2		2	
Salaries and wages, total [3]	$1,752,222	$36,888	$1,284,849	$430,485
Salaried officers [3]	329,673	8,263	259,056	62,354
Manufacturing:				
Salaries [3]	184,637	7,171	131,703	45,763
Wages	816,811	14,352	565,848	236,611
Distribution	419,189	7,102	326,330	85,757
Construction				
Other	1,912		1,912	

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

ITEM	United States	California	New York	Other States [1]
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	$3,337,684	$74,219	$2,543,333	$720,132
Materials, supplies, and containers	3,256,479	72,360	2,480,161	703,958
Fuel	61,078	1,107	47,472	12,499
Purchased electric energy	20,127	752	15,700	3,675
Contract work				
Value of products	6,329,179	138,879	4,634,388	1,555,912
Value added by manufacture [5]	2,991,495	64,660	2,091,055	835,780

[1] Illinois, 1 establishment; Maryland, 2; Massachusetts, 1; Missouri, 1; New Jersey, 2; Ohio, 2; Pennsylvania, 2.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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

PRODUCT	1939	1937	1929
Candles industry, all products, total value	$6,329,179	$5,351,513	$6,686,194
Candles	5,702,099	5,234,134	6,120,644
Miscellaneous products not specified	559,253	117,379	565,550
Other products not classified in this industry	[1] 67,827		
Candles, aggregate value	6,623,568	6,369,212	8,093,436
Candles made in this industry	5,702,099	5,234,134	6,120,644
Candles made as secondary products in other industries	921,469	1,135,078	1,972,792

[1] Chiefly value of beehive comb, crayons, and tallow.

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

No detailed statistics were collected for this industry.

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	840	785	787	767	745	767	762	710	806	889	988	1,030	1,039
1937	725	739	747	751	753	741	713	715	710	720	694	683	737
1929	781	828	823	813	798	771	724	698	708	750	807	831	825
California	18	18	18	17	17	17	15	15	19	20	20	17	22
New York	586	552	558	538	527	548	543	484	555	615	691	709	713

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	28
Reporting expenditures for plant and equipment	19
Value of products:	
Total for the industry	$6,329,179
Reporting expenditures for plant and equipment	5,719,349
Expenditures for plant and equipment:	
Total for the industry	78,853
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	17,354
Expenditures for new machinery and operating equipment	61,205
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	294

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

	1939	1937
Inventories:		
Beginning of year, total	$1,901,266	$1,504,383
Finished products	726,793	634,269
Materials, supplies, etc	1,174,473	870,114
End of year, total	1,909,756	1,763,045
Finished products	656,889	740,526
Materials, supplies, etc	1,252,867	1,022,519
Value of products for the industry, total	6,329,179	5,351,513
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	6,329,179	5,269,842
Value for establishments not reporting inventories		81,671

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

	1939	1929
Number of establishments	28	20
Number of establishments reporting power equipment	28	20
Prime movers, aggregate:		
Number	9	7
Horsepower	1,093	1,503
Prime movers, steam engines, driving generators—		
Number	4	[1] 7
Horsepower	858	[1] 1,503
Prime movers, steam engines, not driving generators—		
Number	5	[2]
Horsepower	235	[2]
Generators, kilowatt rating, total	365	399
Generators, driven by—		
Steam engines, kilowatt rating	365	[2]
Electric motors, total:		
Number	461	247
Horsepower	998	1,011
Driven by purchased energy—		
Number	356	121
Horsepower	844	468
Driven by energy generated in establishments reporting—		
Number	105	126
Horsepower	154	543
Electric energy (kilowatt-hours):		
Generated in plant	295,210	[3]
Purchased	682,577	684,765

[1] Includes data for prime movers not driving generators.
[2] Not called for on schedule. [3] Data not available.

BLUING

[A preliminary report for this industry was issued October 30, 1940]

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of laundry bluing, both soluble and liquid, aniline blue, etc., made principally from indigo and Prussian blue.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	13	55	$55,925	$386,220	$1,142,341	$756,121	155
1937	14	67	69,129	350,368	1,128,529	778,161	(5)
1935	15	58	55,204	287,305	911,776	624,471	(6)
1933	16	77	86,018	322,681	1,032,858	710,177	(5)
1931	20	95	93,896	401,789	1,178,554	776,765	(5)
1929	20	105	106,917	468,867	1,364,510	895,643	8
1927	20	155	151,364	593,725	1,674,140	1,080,415	7
1925	23	176	185,310	1,017,221	2,167,013	1,149,792	16
1923	25	188	187,901	800,293	1,643,186	842,893	(6)
1921	33	226	203,460	1,017,713	1,883,225	865,512	(5)
1919	57	360	285,063	1,542,954	2,731,277	1,188,323	30
1914	66	254	104,853	489,431	1,184,045	694,614	60
1909	82	313	113,812	493,742	1,074,231	580,489	74
1904	56	206	77,204	265,800	678,737	412,937	122
1899	65	220	79,380	244,970	575,804	330,834	91

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

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

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

ITEM	United States	Pennsylvania	Other States [1]
Number of establishments [2]	13	3	10
Proprietors and firm members	12	2	10
Persons reported by manufacturing establishments, total [3]	117	26	91
Salaried officers of corporations [3]	10	3	7
Manufacturing:			
Salaried employees [3]	20	6	14
Wage earners (average for the year) [4]	55	9	46
Distribution	27	3	24
Construction			
Other	5	5	
Salaries and wages, total [3]	$197,085	$26,373	$170,712
Salaried officers [3]	59,442	4,142	55,300
Manufacturing:			
Salaries [3]	28,358	8,408	19,950
Wages	55,925	7,168	48,757
Distribution	48,726	2,021	46,705
Construction			
Other	4,634	4,634	
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	$386,220	$21,663	$364,557
Materials, supplies, and containers	380,720	20,241	360,479
Fuel	1,568	338	1,230
Purchased electric energy	2,545	1,084	1,461
Contract work	1,387		1,387
Value of products	1,142,341	98,968	1,043,373
Value added by manufacture [5]	756,121	77,305	678,816

[1] California, 1 establishment; Illinois, 2; Massachusetts, 1; Minnesota, 1; New York, 3; Texas, 1; Virginia, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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 AND VALUE, FOR THE UNITED STATES: 1939 AND 1937

No detailed statistics were 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	55	54	52	57	56	57	55	52	52	59	59	57	53
1937	67	61	61	66	65	70	72	68	67	73	72	65	62
1929	105	100	101	108	106	103	104	103	106	113	111	106	103
New York	21	23	21	22	20	20	20	20	21	21	20	20	20
Pennsylvania	9	9	9	9	9	9	9	9	8	8	10	10	10

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	13
Reporting expenditures for plant and equipment	2
Value of products:	
Total for the industry	$1,142,341
Reporting expenditures for plant and equipment	466,900
Expenditures for plant and equipment:	
Total for the industry	3,500
Expenditures for new machinery and operating equipment	3,500

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

	1939	1937
Inventories:		
Beginning of year, total	$114,087	$136,335
Finished products	61,929	71,102
Materials, supplies, etc.	52,158	65,233
End of year, total	135,090	156,756
Finished products	68,190	88,182
Materials, supplies, etc.	66,900	68,574
Value of products for the industry, total	1,142,341	1,128,529
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	1,119,500	1,104,987
Value for establishments not reporting inventories	22,841	23,542

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

	1939	1929
Number of establishments	13	20
Number of establishments reporting power equipment	13	14
Prime movers, aggregate:		
Number	2	1
Horsepower	155	8
Prime movers, driving generators, total—		
Number	2	[1] 1
Horsepower	155	[1] 8

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	1	
Horsepower	125	
Steam turbines—		
Number	1	
Horsepower	30	
Diesel and semi-Diesel engines—		
Number		
Horsepower		1
Other internal-combustion engines [2]—		
Number		
Horsepower		8
Prime movers, driving generators, ordinarily idle (included above), horsepower	155	(3)
Generators, kilowatt rating, total	130	
Generators, driven by—		
Steam engines, kilowatt rating	100	(3)
Steam turbines, kilowatt rating	30	
Generators, ordinarily idle (included above), kilowatt rating	130	(4)
Electric motors, driven by purchased energy:		
Number	63	55
Horsepower	156	161
Electric energy purchased (kilowatt hours)	77,486	50,515

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

MUCILAGE, PASTE, AND OTHER ADHESIVES, EXCEPT GLUE AND RUBBER CEMENT

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

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of mucilage, paste, mending cement, sealing wax, and other adhesives, except glue and rubber cement which are classified in other industries.

TABLE 1.—SUMMARY FOR THE UNITED STATES: 1925 TO 1939

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	64	285	$289,857	$2,141,221	$4,168,855	$2,027,634	160
1937	61	295	313,416	2,165,002	4,209,629	2,044,627	[5]
1935	66	267	288,569	1,766,508	3,632,601	1,866,093	[6]
1933	55	213	236,939	1,294,528	2,478,485	1,183,957	[5]
1931	69	282	350,145	1,888,790	3,620,783	1,731,993	[5]
1929	84	414	546,926	3,668,707	6,638,387	2,969,680	420
1927	80	502	679,468	4,270,361	7,945,403	3,675,042	481
1925 [7]	84	561	766,251	5,562,740	9,853,302	4,290,562	714

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] See GENERAL EXPLANATIONS—Wage earners and wages.
[3] Figures for years prior to 1935 do not include cost of contract work.
[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
[5] Not called for on schedule.
[6] Data not available.
[7] No comparable data for prior years.

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

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

ITEM	United States	California	Illinois	Michigan	New York	Ohio	Pennsylvania	Other States [1]
Number of establishments [2]	64	7	5	5	13	6	7	21
Proprietors and firm members	37	6	3	3	4	3	4	14
Persons reported by manufacturing establishments, total [3]	578	32	28	17	231	36	51	183
Salaried officers of corporations [3]	51	2	2	1	21	4	6	15
Manufacturing:								
Salaried employees [3]	111	9	8	3	48	2	10	31
Wage earners (average for the year) [4]	285	17	12	10	109	16	27	94
Distribution	129	4	6	3	52	14	8	42
Construction								
Other	2				1			1
Salaries and wages, total [3]	$948,128	$50,077	$63,185	$21,873	$360,204	$64,107	$74,253	$314,429
Salaried officers [3]	191,837	5,968	9,600	2,392	89,929	15,160	15,608	53,180
Manufacturing:								
Salaries [3]	206,461	20,096	19,995	4,940	80,312	5,060	14,574	61,484
Wages	289,857	13,823	16,217	11,109	83,776	18,151	31,605	115,176
Distribution	257,080	10,190	17,373	3,432	105,318	25,736	12,466	82,565
Construction								
Other	2,893				869			2,024
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	2,141,221	80,904	147,858	72,000	553,766	128,539	138,742	1,019,412
Materials, supplies, and containers	2,072,451	79,501	145,135	70,727	535,717	124,736	134,539	982,096
Fuel	28,961	480	1,874	817	11,849	2,367	2,272	9,302
Purchased electric energy	39,777	923	849	456	6,200	1,404	1,931	28,014
Contract work	32					32		
Value of products	4,168,855	139,062	270,153	111,385	1,327,498	257,301	373,477	1,689,979
Value added by manufacture [5]	2,027,634	58,158	122,295	39,385	773,732	128,762	234,735	670,567

[1] Connecticut, 1 establishment; Indiana, 1; Kansas, 1; Maryland, 2; Massachusetts, 5; Minnesota, 1; Missouri, 4; New Jersey, 3; South Carolina, 1; Washington, 1; Wyoming, 1.
[2] See GENERAL EXPLANATIONS—Definition of establishment.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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
Mucilage, Paste, and Other Adhesives, Except Glue and Rubber Cement industry, all products, total value	$4,168,855	$4,209,629
Mucilage, paste, and other adhesives	3,880,094	3,946,299
Miscellaneous products not specified	47,226	263,330
Other products not classified in this industry	[1] 241,535	
Mucilage, paste, and other adhesives, aggregate value	8,161,277	7,860,224
Mucilage, paste, and other adhesives made in this industry	3,880,094	3,946,299
Mucilage, paste, and other adhesives made as secondary products in other industries	4,281,183	3,913,925

[1] Chiefly value of various kinds of cleaning and polishing preparations, inks, and textile softeners.

TABLE 4.—PRODUCTS, BY KIND, QUANTITY, AND VALUE: 1939 AND 1937

KIND	1939	1937
Mucilage, paste, and other adhesives, aggregate value	$8,161,277	$7,860,224
Mucilage:		
Pounds	4,105,975	7,549,616
Value	$393,393	$1,015,558
Paste:		
Pounds	69,169,912	65,530,400
Value	$3,003,179	$3,321,273
Mucilage, paste, and other adhesives, quantities not reported, value	$4,764,705	$3,523,393

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	285	285	273	286	301	280	276	277	281	289	289	289	292
1937	295	273	290	305	313	317	310	291	297	295	289	283	274
1929	414	401	413	418	406	408	417	420	424	422	430	408	403
California	17	28	14	14	18	14	12	11	13	20	21	22	18
Illinois	12	12	12	13	12	12	12	11	11	11	11	12	12
Massachusetts	32	29	32	33	34	33	31	32	31	29	32	32	33
Michigan	10	9	9	9	10	10	10	10	10	10	10	10	10
Missouri	13	12	12	12	13	13	13	13	13	13	13	13	13
New Jersey	20	18	18	20	21	19	20	20	21	20	21	23	22
New York	109	106	105	114	122	107	106	108	108	113	107	104	111
Ohio	16	16	16	16	16	16	16	16	15	15	16	17	17
Pennsylvania	27	26	26	26	26	27	27	27	30	29	29	27	27

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	64
Reporting expenditures for plant and equipment	30
Value of products:	
Total for industry	$4,168,855
Reporting expenditures for plant and equipment	2,771,346
Expenditures for plant and equipment:	
Total for the industry	37,325
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	3,369
Expenditures for new machinery and operating equipment	25,953
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	8,003

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

	1939	1937
Inventories:		
Beginning of year, total	$571,064	$450,393
Finished products	181,846	191,602
Materials, supplies, etc.	389,218	258,791
End of year, total	583,450	488,712
Finished products	205,886	201,356
Materials, supplies, etc.	377,564	287,356
Value of products for the industry, total	4,168,855	4,209,629
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	4,162,891	3,930,656
Value for establishments not reporting inventories	5,964	278,973

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

	1939	1929
Number of establishments	64	84
Number of establishments reporting power equipment	64	73
Prime movers, aggregate:		
Number	3	14
Horsepower	160	420
Prime movers, driving generators, total—		
Number	1	[1] 14
Horsepower	125	[1] 420
Steam engines—		
Number	1	[1] 12
Horsepower	125	[1] 407
Steam turbines—		
Number		[1] 1
Horsepower		[1] 6
Diesel and semi-Diesel engines—		
Number		[1] 1
Horsepower		[1] 7
Other internal-combustion engines [2]—		
Number		
Horsepower		
Prime movers not driving generators, total—		
Number	2	(3)
Horsepower	35	
Steam engines—		
Number	2	
Horsepower	35	
Generators, kilowatt rating, total	90	150
Generators, driven by—		
Steam engines, kilowatt rating	90	(3)
Electric motors, total:		
Number	305	255
Horsepower	1,458	2,441
Driven by purchased energy—		
Number	289	235
Horsepower	1,219	2,144
Driven by energy generated in establishments reporting—		
Number	16	20
Horsepower	239	297
Electric energy (kilowatt-hours):		
Generated in plant	210,160	(4)
Purchased	1,486,821	1,140,628

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.

WRITING INK

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

Description of the industry.—This industry embraces establishments primarily engaged in the manufacture of writing ink and fluids, indelible ink, drawing ink, etc.

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

CENSUS YEAR	Number of establishments [1]	Wage earners (average for the year) [2]	Wages	Cost of materials, supplies, fuel, purchased electric energy, and contract work [3]	Value of products	Value added by manufacture [4]	Horsepower of prime movers
1939	15	254	$247,116	$1,202,047	$2,951,259	$1,749,212	312
1937	17	366	370,319	1,499,956	3,475,600	1,975,644	(5)
1935	22	377	379,506	1,414,541	3,381,907	1,967,366	(6)
1933	22	355	321,281	1,226,495	2,522,118	1,295,623	(5)
1931	23	347	362,999	1,462,621	3,535,121	2,072,500	(5)
1929	29	416	479,995	1,992,573	4,594,974	2,602,401	550
1927	24	491	576,091	2,208,835	5,342,027	3,133,192	500
1925	28	524	596,200	2,424,311	6,084,315	3,660,004	520
1923	31	578	634,874	2,653,486	6,107,379	3,453,893	(6)
1921	33	504	546,058	2,062,291	4,980,148	2,917,857	(5)
1919	61	702	596,168	3,320,346	6,433,941	3,113,595	419
1914	54	512	262,786	1,236,227	2,783,642	1,547,415	433
1909	47	505	203,155	1,078,008	2,505,414	1,427,406	103
1904	42	430	169,726	858,304	1,881,038	1,022,734	189
1899	44	285	113,979	573,226	1,292,759	719,533	335

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

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

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

ITEM	1939
Number of establishments [1]	[2] 15
Proprietors and firm members	10
Persons reported by manufacturing establishments, total [3]	493
Salaried officers of corporations [3]	22
Manufacturing:	
Salaried employees [3]	64
Wage earners (average for the year) [4]	254
Distribution	153
Salaries and wages, total [3]	$821,128
Salaried officers [3]	134,903
Manufacturing:	
Salaries [3]	112,635
Wages	247,116
Distribution	315,699
Other	10,775
Cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, total	1,202,047
Materials, supplies, and containers	1,185,378
Fuel	10,018
Purchased electric energy	6,651
Value of products	2,951,259
Value added by manufacture [5]	1,749,212

[1] See GENERAL EXPLANATIONS—Definition of establishment.
[2] Illinois, 2 establishments; Indiana, 1; Massachusetts, 3; Michigan, 1; Minnesota, 1; Missouri, 1; New York, 5; Pennsylvania, 1.
[3] See GENERAL EXPLANATIONS—Persons engaged—general classification.
[4] See GENERAL EXPLANATIONS—Wage earners and wages.
[5] 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
Writing Ink industry, all products, total value	$2,951,259	$3,475,600	$4,594,974
Writing ink made in this industry	2,033,549	2,159,002	2,921,386
Miscellaneous products not specified	83,566	1,316,598	1,673,588
Other products (not classified in this industry)	[1] 834,144		
Writing ink products, aggregate value	3,989,388	3,835,979	4,669,988
Writing ink made in this industry	2,033,549	2,159,002	2,921,386
Writing ink made as secondary products in other industries	1,955,839	1,676,977	1,748,602

[1] Includes value of paste, mucilage, other adhesives, stamping ink, and finished ink

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

No detailed production statistics are collected for this industry.

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	254	231	231	255	268	259	253	265	255	254	259	271	247
1937	366	332	355	367	391	385	392	393	387	369	355	339	329
1929	416	380	394	394	425	430	433	442	435	445	436	405	378
Massachusetts	116	93	92	118	131	120	119	127	116	15	121	134	112
New York	38	38	39	38	38	39	39	39	39	139	38	38	37

TABLE 6.—EXPENDITURES FOR PLANT AND EQUIPMENT: 1939

	1939
Number of establishments:	
Total for the industry	15
Reporting expenditures for plant and equipment	9
Value of products:	
Total for the industry	$2,951,259
Reporting expenditures for plant and equipment	2,185,152
Expenditures for plant and equipment:	
Total for the industry	39,095
Expenditures for new construction or major alterations of buildings and other fixed plant and structures	1,783
Expenditures for new machinery and operating equipment	37,162
Expenditures for plant and equipment acquired in a "used" condition from other owners and expenditures for land	150

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

	1939	1937
Inventories:		
Beginning of year, total	$469,618	$612,228
Finished products	182,872	208,626
Materials, supplies, etc.	286,746	403,602
End of year, total	538,232	636,130
Finished products	180,353	234,601
Materials, supplies, etc.	357,879	401,529
Value of products for the industry, total	2,951,259	3,475,600
Value for establishments reporting inventories (includes value of products of establishments reporting no inventories on hand)	2,951,259	3,459,150
Value for establishments not reporting inventories		16,450

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

	1939	1929
Number of establishments	15	29
Number of establishments reporting power equipment	15	19
Prime movers, aggregate:		
Number	3	8
Horsepower	312	550
Prime movers, driving generators, total—		
Number	3	[1] 8
Horsepower	312	[1] 550
Steam engines—		
Number	3	[1] 7
Horsepower	312	[1] 535

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		[1] 1
Horsepower		[1] 15
Other internal-combustion engines [2]—		
Number		
Horsepower		
Generators, kilowatt rating, total	217	239
Generators, driven by—		
Steam engines, kilowatt rating	217	[3]
Electric motors, total:		
Number	367	309
Horsepower	532	524
Driven by purchased energy—		
Number	137	168
Horsepower	190	207
Driven by energy generated in establishments reporting—		
Number	230	147
Horsepower	342	227
Electric energy (kilowatt-hours):		
Generated in plant	225,528	[4]
Purchased	152,358	204,811

[1] Includes data for prime movers not driving generators.
[2] Gas, gasoline, etc.
[3] Not called for on schedule.
[4] Data not available.