Chapter VI.—PRIME MOVERS, MOTORS, AND GENERATORS

Data in regard to the numbers and capacity of electric generators in use in manufacturing establishments were collected for the first time at the census for 1925.

The total primary power, as shown by the census reports, includes the power of electric motors driven by purchased current but does not include that of electric motors driven by current generated in the same establishments. Thus the total includes, without duplication, the rated horsepower of all engines, motors, etc., which serve as primary-power machines in the establishments reporting.

The horsepower figures for 1919, as given in this report, differ slightly from those published in the report for that year, for the reason that the earlier report included data for purchased power other than electric (power generated outside the plant and transmitted into the plant by shaft, belt, or cable), whereas the statistics for 1923 and 1925 do not include such data. The amount of purchased power other than electric is insignificant. It constituted only about 1 per cent of the total purchased power and about one-third of 1 per cent of the total primary power in 1919, and the corresponding proportions for later years were probably still smaller.

The schedules for 1919 called for data in regard to water motors (driven by water from street mains), but no request for such data was carried on the schedules for 1923 or 1925. It is possible, however, that in some cases water motors were incorrectly reported as water turbines.

In making use of the horsepower statistics it should be borne in mind that they represent the total *rated horsepower capacity* of the engines, motors, and other prime movers, and that the amount of power in actual daily use was considerably smaller.

PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY, FOR THE UNITED STATES, 1925, 1923, AND 1919, AND FOR GEOGRAPHIC DIVISIONS AND STATES, 1925

[No data in regard to prime movers were collected for 1921. In order to render the statistics for 1919 and 1923 comparable with those for 1925, the following changes have been made in the figures heretofore published: (1) Data for purchased power other than electric deducted from 1919 figures; (2) data for establishments engaged in automobile repairing deducted from 1919 figures; (3) data for establishments engaged in coffee and spice roasting and grinding deducted from 1919 and 1923 figures]

DIVISION AND STATE	Number of establishments reporting power	PRIME MOVERS												ELECTRIC MOTORS DRIVEN BY CURRENT GENERATED IN ESTABLISHMENTS REPORTING		ELECTRIC GENERATORS	
		Total primary horsepower	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines[1]		Electric motors driven by purchased current						
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Kilowatt rating
UNITED STATES:																	
1925	167,649	35,772,628	74,691	11,434,388	7,485	5,482,468	14,362	1,186,116	8,393	1,800,828	1,724,180	15,868,828	772,445	10,254,745	23,635	6,887,045	
1923	172,754	33,056,870	[2] 90,019	[2] 16,697,573	(2)	(2)	15,696	1,223,297	9,289	1,803,220	1,419,378	13,332,780	616,020	8,819,217	(3)	(3)	
1919[4]	222,253	29,297,963	116,017	13,834,016	6,438	3,197,599	30,437	1,240,868	13,976	1,765,031	972,062	9,260,449	486,130	6,965,174	(3)	(3)	
GEOGRAPHIC DIVISIONS:																	
New England	16,628	4,349,191	5,862	1,080,002	949	720,265	694	38,866	3,222	777,472	209,547	1,732,586	120,546	1,234,115	3,197	992,470	
Middle Atlantic	51,046	10,106,390	18,168	3,464,339	2,172	1,571,307	3,553	347,197	2,174	325,962	522,179	4,397,585	250,689	3,128,254	6,517	1,992,423	
East North Central	38,324	10,047,780	16,825	3,014,432	2,093	1,748,513	3,083	395,788	1,330	245,364	501,924	4,643,683	263,698	3,520,410	7,630	2,136,254	
West North Central	14,815	1,855,278	4,922	553,291	447	239,290	1,271	81,520	263	65,525	106,039	915,652	33,827	501,012	1,413	346,150	
South Atlantic	15,159	3,454,150	10,516	1,073,426	590	393,842	2,121	150,250	887	292,285	157,878	1,544,347	52,044	777,182	1,924	586,451	
East South Central	7,661	1,615,183	6,153	718,751	281	194,595	1,250	31,159	145	16,934	50,580	653,744	12,618	201,001	777	213,418	
West South Central	7,284	1,316,933	5,684	652,730	334	203,829	1,276	93,453	31	2,837	37,050	364,084	13,491	287,961	1,119	235,634	
Mountain	3,460	757,974	1,698	273,964	155	122,565	296	12,444	89	6,274	24,200	342,727	6,347	137,475	364	120,147	
Pacific	13,272	2,269,749	4,863	603,453	464	288,262	818	35,439	247	68,175	114,783	1,274,420	19,185	467,335	694	264,098	
NEW ENGLAND:																	
Maine	1,387	600,787	855	104,840	80	51,969	101	2,386	763	301,532	11,667	140,060	7,999	150,991	316	131,143	
New Hampshire	985	370,740	543	78,881	56	79,615	81	2,765	510	162,183	6,126	47,296	12,973	181,647	278	143,582	
Vermont	889	178,806	381	37,925	19	10,288	42	1,667	321	59,153	6,010	69,773	2,605	32,730	116	28,928	
Massachusetts	9,052	2,013,017	2,652	563,017	455	372,808	295	11,545	1,020	176,934	117,049	888,713	61,429	577,135	1,428	429,406	
Rhode Island	1,452	395,754	422	97,688	118	86,880	22	2,195	162	21,363	25,159	187,628	12,662	101,550	340	92,507	
Connecticut	2,863	790,087	1,009	197,651	221	118,705	153	18,308	446	56,307	43,536	399,116	22,878	190,062	719	166,904	
MIDDLE ATLANTIC:																	
New York	28,329	3,348,184	5,545	768,540	675	370,660	1,179	72,111	1,303	293,847	240,037	1,843,026	75,666	710,377	2,084	508,905	
New Jersey	7,332	1,384,234	2,982	465,824	483	328,247	591	34,918	183	8,714	72,312	546,531	53,022	511,347	1,381	422,123	
Pennsylvania	15,385	5,373,972	9,641	2,229,975	1,014	872,400	1,783	240,168	688	23,401	209,830	2,008,028	122,001	1,906,530	3,052	1,061,395	
EAST NORTH CENTRAL:																	
Ohio	10,205	3,482,618	4,568	1,137,069	716	623,083	1,006	133,218	173	8,065	146,574	1,581,183	58,378	1,151,619	1,727	632,580	
Indiana	4,429	1,420,989	2,399	311,718	209	292,361	339	163,210	132	7,802	62,590	645,898	32,742	633,770	674	342,715	

Illinois	12,265	2,247,408	3,908	778,972	651	304,454	507	77,758	110	9,872	130,941	1,076,352	59,901	724,385	1,559	431,721
Michigan	5,205	1,887,750	2,508	438,353	335	438,862	323	8,959	266	40,138	113,487	961,438	76,424	650,578	2,864	499,739
Wisconsin	6,220	1,009,015	3,442	348,320	182	89,753	908	12,643	649	179,487	48,332	378,812	36,253	360,058	866	229,499
WEST NORTH CENTRAL:																
Minnesota	3,519	508,021	1,388	133,336	128	90,220	203	20,510	110	55,908	23,985	208,047	8,636	154,518	318	119,136
Iowa	3,012	308,016	845	88,641	76	47,988	222	5,590	28	1,072	20,052	164,725	6,537	84,503	243	58,556
Missouri	4,571	590,485	1,609	194,208	109	33,965	357	18,397	38	986	40,300	342,929	12,826	144,113	489	85,438
North Dakota	301	16,711	80	4,544	11	5,463	53	1,826	10	85	1,296	4,793	316	5,072	25	4,058
South Dakota	458	21,463	117	6,559	7	2,650	48	986	6	293	2,046	10,975	82	3,949	9	2,405
Nebraska	1,203	133,708	274	46,901	44	14,451	133	4,935	34	2,382	7,848	65,039	1,856	31,908	94	19,563
Kansas	1,751	276,874	609	79,102	72	44,553	255	29,276	42	4,799	10,512	119,144	3,574	76,949	235	56,994
SOUTH ATLANTIC:																
Delaware	392	107,391	406	38,821	31	26,254	45	1,245	45	2,383	2,857	38,688	2,701	40,553	79	27,497
Maryland	2,808	544,558	1,598	109,473	134	65,165	329	79,892	67	4,690	24,909	285,338	6,462	213,117	219	89,438
District of Columbia	416	37,508	71	7,816	19	2,909	31	544	3	895	3,507	25,344	162	2,387	22	2,078
Virginia	2,396	441,807	1,635	139,401	90	73,768	215	9,657	334	34,070	16,086	184,911	17,123	129,470	402	98,317
West Virginia	1,295	431,981	901	158,766	66	79,854	324	32,174	38	8,295	11,401	152,892	6,461	156,339	342	123,889
North Carolina	2,545	800,051	1,928	202,569	86	46,419	181	6,958	225	175,517	49,833	368,588	8,611	82,037	297	97,259
South Carolina	1,088	423,359	988	153,593	54	37,779	74	1,992	84	39,061	20,530	190,934	5,908	77,140	201	66,776
Georgia	2,621	523,334	1,990	182,951	75	55,593	509	6,121	89	27,363	22,150	251,306	3,916	62,986	254	67,589
Florida	1,598	144,161	949	80,036	35	6,101	413	11,667	2	11	6,605	46,346	700	13,153	108	13,608
EAST SOUTH CENTRAL:																
Kentucky	1,734	257,965	873	91,957	35	18,941	226	6,564	34	1,852	11,969	138,651	4,437	43,913	188	32,306
Tennessee	2,031	447,529	1,532	170,958	89	60,855	139	5,091	97	3,870	18,616	206,755	4,121	60,440	256	67,551
Alabama	2,233	697,998	2,152	308,136	124	85,936	441	8,238	14	11,212	17,359	284,476	3,026	66,697	187	81,226
Mississippi	1,663	211,691	1,596	147,700	33	28,863	444	11,266	------	--------	2,636	23,862	1,034	29,951	146	32,335
WEST SOUTH CENTRAL:																
Arkansas	1,207	177,011	1,256	117,600	39	20,020	161	8,188	6	76	3,527	31,127	1,697	28,983	152	23,585
Louisiana	1,609	410,298	2,178	272,735	117	50,882	283	18,480	7	125	7,138	68,076	3,463	85,776	363	77,031
Oklahoma	1,175	156,826	527	54,600	31	31,502	280	19,268	1	30	6,102	51,426	1,928	46,991	150	32,150
Texas	3,293	572,793	1,723	207,795	147	101,425	552	47,517	17	2,606	20,283	213,455	6,403	126,211	454	102,868
MOUNTAIN:																
Montana	540	166,528	217	29,224	8	3,650	46	1,078	4	2,350	4,566	130,226	432	12,808	33	5,199
Idaho	437	82,552	287	41,639	21	15,328	32	604	24	683	2,174	24,298	578	18,294	47	14,842
Wyoming	206	28,721	93	9,357	29	7,653	54	1,927	4	107	1,057	9,677	374	6,773	32	6,433
Colorado	1,252	219,865	589	109,434	44	17,417	80	1,405	13	662	8,388	90,947	2,008	34,860	112	28,094
New Mexico	190	18,842	102	12,968	7	1,718	22	1,271	------	--------	485	2,885	381	6,237	21	3,883
Arizona	267	102,127	139	28,801	31	51,061	30	2,814	------	--------	1,441	19,451	1,561	39,428	44	43,405
Utah	475	124,735	243	39,154	11	25,558	20	433	40	1,877	5,498	57,713	852	16,281	52	15,150
Nevada	93	14,604	28	3,387	4	180	12	2,912	4	595	591	7,530	161	2,794	23	3,141
PACIFIC:																
Washington	2,956	748,110	2,410	326,865	120	143,143	241	6,414	54	10,163	18,634	261,525	7,489	250,017	287	133,539
Oregon	1,734	387,749	1,057	135,933	46	57,406	148	6,782	129	50,087	11,351	137,541	3,861	91,736	132	59,472
California	8,582	1,133,890	1,396	140,655	298	87,713	429	22,243	64	7,925	84,798	875,354	7,835	125,582	275	71,087

[1] Data for a small number of water motors included for 1919, but not for 1923 or 1925.
[2] "Steam turbines" included with "Steam engines"; not called for separately on schedule.
[3] Not called for on schedule.
[4] Includes data for establishments with products valued at less than $5,000. The statistics for 1923 and 1925 refer only to establishments reporting products valued at $5,000 or more, but this change in the minimum-value-of-products limit had only a negligible effect on the comparability of the statistics, except for number of establishments, as between different census years.

PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY, BY INDUSTRY GROUPS AND INDUSTRIES: 1925

GROUP AND INDUSTRY	Number of establishments reporting power	PRIME MOVERS												ELECTRIC MOTORS DRIVEN BY CURRENT GENERATED IN ESTABLISHMENTS REPORTING		ELECTRIC GENERATORS	
		Total primary horsepower	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines		Electric motors driven by purchased current					Number	Kilowatt rating
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower			
All industries, total	167,649	35,772,628	74,691	11,434,388	7,485	5,482,468	14,362	1,186,116	8,393	1,800,828	1,724,180	15,868,828	772,445	10,254,745		23,635	6,887,045
INDUSTRY GROUPS																	
1. Food and kindred products	43,180	3,881,952	16,035	1,417,989	642	242,342	4,661	177,417	2,126	109,392	215,059	1,934,812	61,694	630,451		3,539	462,233
2. Textiles and their products	22,372	3,986,136	4,249	1,101,373	752	755,822	336	19,068	2,054	460,951	317,906	1,648,922	149,965	1,042,363		2,884	993,955
3. Iron and steel and their products, not including machinery	5,923	7,518,999	6,158	3,035,612	1,183	1,428,871	754	599,456	211	19,050	138,507	2,436,010	109,121	2,953,810		2,051	1,450,275
4. Lumber and allied products	20,623	3,472,770	21,065	2,088,709	640	404,891	2,652	57,959	749	48,448	100,339	872,763	54,520	836,030		2,544	576,277
5. Leather and its manufactures	3,901	413,759	1,144	158,004	74	54,099	82	4,434	79	4,955	41,412	192,267	18,731	133,028		638	114,424
6. Rubber products	462	656,857	345	82,487	108	145,617	14	294	25	3,241	21,793	425,218	11,941	193,484		207	132,713
7. Paper, printing, and related industries	23,305	3,060,794	3,182	672,942	601	422,689	721	12,020	2,255	934,372	234,012	1,018,771	41,716	884,872		1,833	679,365
8. Chemicals and allied products	7,354	2,984,913	10,621	948,151	2,242	681,773	1,036	79,468	117	154,596	72,549	1,120,925	48,693	771,057		2,010	668,894
9. Stone, clay, and glass products	7,915	2,348,157	3,961	571,508	288	366,406	1,753	111,836	163	29,096	57,654	1,269,311	25,460	624,131		1,380	463,414
10. Metals and metal products, other than iron and steel	5,500	1,158,486	940	236,573	170	194,627	240	20,947	71	7,299	56,766	699,040	18,597	263,936		587	253,993
11. Tobacco manufactures	732	42,075	142	21,038	12	4,100	11	73	6	207	6,141	16,657	3,162	14,974		85	14,978
12. Machinery, not including transportation equipment	11,482	2,714,377	2,225	377,454	314	355,738	1,098	63,762	395	22,166	216,843	1,895,257	120,150	927,720		2,019	526,716
13. Musical instruments and phonographs	421	97,318	174	34,434	24	23,255	19	748	4	220	7,148	38,661	5,676	49,522		127	28,527
14. Transportation equipment, air, land, and water	2,722	1,888,961	1,214	271,920	220	308,773	354	16,766	31	1,487	132,521	1,290,015	74,642	593,851		2,474	379,983
15. Railroad repair shops	2,035	942,248	1,898	286,340	164	66,264	147	4,823	3	32	36,495	584,789	16,748	260,938		882	142,451
16. Miscellaneous industries	9,722	604,826	1,338	129,854	51	27,201	484	17,045	104	5,316	69,035	425,410	12,229	74,572		375	53,842

INDUSTRIES																
Agricultural implements	293	115,325	191	40,188	31	17,441	46	1,014	38	3,828	4,840	52,854	2,743	43,388	110	28,027
Aircraft and parts	43	3,735	1	35			41	299			613	3,401	13	23	2	10
Alcohol, ethyl	30	10,268	101	7,833	3	15					245	2,420	69	1,209	18	1,287
Aluminum manufactures	123	62,366	12	4,690	7	8,083	6	855			2,916	48,738	1,120	14,975	16	9,007
Ammunition and related products	25	23,316	36	4,259	24	8,376	6	1,468	3	125	1,056	9,088	2,268	8,505	15	6,085
Artificial and preserved flowers and plants	79	737	1	230			2	6			286	501	24	228	1	260
Artificial leather	18	10,593	20	1,713	2	775			1	166	604	7,939	196	1,808	8	720
Artificial limbs	110	955	2	5			1	12			290	938				
Artists' materials	55	2,982	8	525			2	31	1	100	466	2,326	52	550	1	245
Asbestos products, other than steam packing or pipe and boiler covering	47	22,918	10	1,770	7	7,881			1	40	1,148	13,227	668	8,302	13	6,370
Asphalted-felt-base floor coverings	11	9,575	9	1,234	3	584					752	7,757	136	1,196	4	635
Awnings, tents, sails, and canvas covers	865	4,564	2	310			5	46	9	2	3,894	4,206				
Babbitt metal, white metal, type metal, and solder	42	3,907	7	1,350			1	60			397	2,497	181	1,437	3	775
Bags, other than paper, not made in textile mills	158	15,295	24	4,095	4	1,375	5	281			1,866	9,544	692	3,167	20	3,034
Bags, paper, exclusive of those made in paper mills	66	6,414	10	878					2	280	2,033	5,256	162	443	10	915
Baking powders, yeast, and other leavening compounds	47	36,633	118	17,133	32	8,050	2	38			867	11,412	926	8,920	31	4,200
Baskets and rattan and willow ware, not including furniture	186	12,794	148	8,970			8	94	7	225	461	3,505	150	1,069	17	816
Belting, other than leather and rubber, made from purchased fabrics	10	914	5	608			2	16			67	290	2	55	2	70
Belting, leather	148	6,889	17	2,850			4	59	4	66	567	3,914	148	670	12	918
Beverages	4,192	168,865	1,013	94,862	18	2,235	215	5,312	1	3	17,389	66,453	5,907	32,551	264	24,745
Billiard and pool tables, bowling alleys, and accessories	24	2,120	2	1,435			3	85			74	600	242	2,965	1	1,000
Blacking, stains, and dressings	114	2,659	23	1,198			1	3			597	1,458	81	384	7	261
Bluing	16	366	1	10			1	6			96	350				
Bolts, nuts, washers, and rivets, iron and steel, not made in rolling mills	126	54,767	44	9,944	1	1,340	12	1,159	6	305	3,536	42,019	778	9,661	30	5,890
Bone black, carbon black, and lampblack	66	7,289	122	4,235	2	50	70	2,172			69	832	3	12	10	279
Bookbinding and blank-book making	890	16,147	13	1,730			3	44			10,142	14,373	368	818	10	915
Boot and shoe cut stock, not made in boot and shoe factories	224	7,859	14	1,505					1	15	1,104	6,339	103	914	6	731
Boot and shoe findings, not made in boot and shoe factories	282	15,419	29	2,815			1	5	8	611	2,527	11,988	131	1,244	14	1,156
Boots and shoes, other than rubber	1,356	139,569	296	47,998	17	5,753	16	898	18	1,876	25,521	83,044	8,510	29,857	292	29,550
Boots and shoes, rubber	23	59,413	28	14,408	2	260			10	1,946	2,956	42,799	271	1,768	23	1,783
Boxes, cigar, wooden	151	5,210	25	1,654			6	92			889	3,464	27	208	5	303
Boxes, paper and other, not elsewhere classified	1,207	76,185	104	12,733	6	2,389	30	1,141	26	708	17,595	59,214	1,765	8,573	103	9,616

PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY, BY INDUSTRY GROUPS AND INDUSTRIES: 1925—Continued

GROUP AND INDUSTRY	Number of establishments reporting power	PRIME MOVERS											ELECTRIC MOTORS DRIVEN BY CURRENT GENERATED IN ESTABLISHMENTS REPORTING		ELECTRIC GENERATORS	
		Total primary horsepower	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines		Electric motors driven by purchased current				Number	Kilowatt rating
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower		
INDUSTRIES—continued																
Boxes, wooden, except cigar boxes	785	143,519	515	75,488	33	3,678	33	1,205	23	672	6,102	62,476	1,859	18,505	149	16,637
Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified	997	361,242	128	40,590	40	55,730	52	11,735	19	1,433	14,623	251,754	4,314	80,171	99	60,119
Bread and other bakery products	14,930	227,286	293	32,455	6	1,675	261	3,345	2	400	56,574	189,411	5,836	27,451	251	20,721
Brooms	416	5,399	16	1,170	1	60	31	411			901	3,758	43	251	5	327
Brushes, other than rubber	234	11,220	33	3,237			15	226	5	123	1,823	7,629	466	1,777	18	3,060
Butter, cheese, and condensed and evaporated milk	5,724	201,639	3,819	86,674	41	2,512	1,121	8,463	70	819	16,787	103,171	4,053	18,234	265	14,064
Buttons	246	15,840	52	5,553			20	432	7	312	1,068	9,543	36	691	7	1,046
Candles	13	922	7	602			1	10			56	310	7	170	3	327
Canning and preserving: Fish, crabs, shrimps, oysters, and clams	264	19,527	259	7,813			132	2,277			1,253	9,437	194	1,693	40	1,252
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces	2,239	187,490	2,212	88,293	39	4,099	453	4,675	12	117	14,394	90,396	2,857	14,427	196	14,419
Car and general construction and repairs, electric-railroad repair shops	482	70,479	8	125			5	180			6,063	70,174				
Car and general construction and repairs, steam-railroad repair shops	1,553	871,769	1,890	286,215	164	66,264	142	4,643	3	32	30,432	514,615	16,748	260,938	882	142,451
Card cutting and designing	47	1,355	3	600			5	102			332	653	36	330	3	300
Cardboard, not made in paper mills	12	1,795	11	1,105			2	38			206	652	100	110	3	225
Carpets and rugs, rag	132	2,349	4	201			10	133	1	40	549	1,975	9	86	1	60
Carpets and rugs, wool, other than rag	65	63,003	63	22,219	21	21,889	3	49	9	1,511	3,015	17,340	5,186	36,645	72	25,543
Carriage, wagon, sleigh, and sled materials	81	8,689	71	5,022	1	149	8	235	2	40	350	3,243	20	163	5	170
Carriages and sleds, children's	84	9,853	21	2,263	1	666	6	279	6	390	1,095	6,255	277	1,538	17	1,675
Carriages, wagons, sleighs, and sleds	150	20,449	73	12,784			11	234	3	172	1,078	7,259	673	7,421	38	5,724
Cars, electric and steam-railroad, not built in railroad repair shops	129	243,934	207	61,996	42	48,384	15	2,402	1	100	7,821	130,552	8,535	113,342	127	55,720

Cash registers and calculating machines	40	14,016	14	1,350	7	7,800	1	2			928	4,864	1,800	11,605	15	8,790
Caskets, coffins, burial cases, and morticians' goods	294	29,164	89	12,126	2	46	9	195	8	527	2,640	16,270	1,191	8,889	47	5,125
Cast-iron pipe	77	54,820	42	6,581	5	2,230	8	1,768	1	200	2,598	44,041	1,330	16,840	39	6,712
Cement	143	871,650	273	145,526	141	277,511	41	15,540	8	6,900	8,715	426,173	7,960	356,612	269	244,525
Chemicals, not elsewhere classified	665	657,867	902	134,978	203	138,411	59	3,031	58	151,101	15,432	230,296	10,609	151,766	395	176,039
Chewing gum	40	7,712	15	1,105	6	1,933	1	10			1,065	4,664	307	1,462	11	1,550
China firing and decorating, not done in potteries	10	38									22	38				
Chocolate and cocoa products, not including confectionery	60	58,266	57	17,303	11	12,820	6	1,210	45	1,029	2,113	25,904	3,449	37,631	54	22,755
Clay products (other than pottery) and nonclay refractories	1,907	517,204	1,963	232,899	37	3,288	453	24,128	12	695	9,152	256,284	1,945	31,962	310	29,512
Cleaning and polishing preparations	206	6,279	22	1,220	1	350	11	100			831	4,609	33	444	9	982
Clocks, time-recording devices, and clock movements	40	8,614	14	6,265			2	50	3	170	433	2,129	1,783	6,070	13	4,121
Cloth sponging and refinishing	53	975	3	327			2	17			268	631	17	35	1	125
Clothing, men's, buttonholes	28	87					1	6			142	81				
Clothing, men's, not elsewhere classified	3,417	44,749	90	10,157	8	458	35	407	15	615	15,405	33,112	1,332	3,811	54	5,195
Clothing, women's, not elsewhere classified	5,701	24,316	6	458	1	1	17	274	7	20	19,340	23,563	50	145	2	110
Coke, not including gas-house coke	185	409,552	1,139	118,349	313	132,879	11	10,921			2,990	97,403	6,377	213,661	157	122,858
Collars, men's	27	4,497	7	816	3	2,100			1	72	740	1,509	490	2,239	7	1,425
Combs and hairpins, not made from metal or rubber	38	1,892	13	769					3	150	221	973				
Concrete products	1,506	38,361	91	2,492	3	78	450	3,431	2	25	3,801	32,335	37	342	4	203
Confectionery	1,616	100,455	338	35,382	9	730	12	327			16,629	64,016	5,202	33,421	176	18,727
Cooperage	264	30,758	167	20,417	3	433	17	341	26	214	995	9,353	410	4,349	41	3,654
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified	1,169	35,273	14	3,602			49	1,459			5,333	30,212	405	2,182	15	1,188
Cordage and twine	117	77,563	80	25,629	9	6,960	5	375	37	5,678	2,639	38,921	632	10,293	44	10,679
Cork products	33	11,084	17	1,987	2	400	1	6			749	8,691	347	1,537	9	1,367
Corn sirup, corn oil, and starch	29	72,617	39	20,145	19	50,714			1	20	119	1,738	5,356	84,306	46	49,436
Corsets	183	8,394	29	4,097	1	200	1	60	3	255	1,899	3,782	595	2,292	26	5,128
Cotton goods	1,345	2,236,363	959	577,611	267	405,925	43	5,821	1,014	321,151	116,327	925,355	63,178	501,101	901	495,262
Cotton lace	42	9,507	44	3,410	10	3,163	1	6	7	375	936	2,548	1,589	7,484	30	5,341
Cotton small wares	224	33,760	58	7,315	6	3,726	5	153	15	1,151	5,607	21,415	1,302	5,051	30	4,905
Crucibles	11	1,476	8	485							102	991			1	97
Cutlery (not including silver and plated cutlery) and edge tools	207	51,673	63	7,371	8	10,823	17	916	54	5,853	3,141	26,710	535	4,643	48	5,924
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies	167	14,719	27	2,550	4	1,900	15	334			1,680	9,935	582	2,617	14	1,882
Dental goods	311	4,366	5	891	2	850	3	24			2,481	2,601	14	800	3	1,145

PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY, BY INDUSTRY GROUPS AND INDUSTRIES: 1925—Continued

GROUP AND INDUSTRY	Number of establishments reporting power	PRIME MOVERS											ELECTRIC MOTORS DRIVEN BY CURRENT GENERATED IN ESTABLISHMENTS REPORTING		ELECTRIC GENERATORS	
		Total primary horsepower	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines		Electric motors driven by purchased current					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Kilowatt rating
INDUSTRIES—continued																
Doors, shutters, and window sash and frames—iron and steel	92	16,699	3	380			8	162	4	900	1,714	15,257	65	838	4	778
Drug grinding	22	4,389	51	1,618	8	805	1	30	4	401	90	1,535	100	1,333	9	608
Druggists' preparations	260	12,553	45	5,251	3	1,750	3	625			1,699	4,927	2,233	5,835	31	4,592
Dyeing and finishing textiles	649	252,701	1,101	83,008	140	74,305	14	1,598	66	9,601	12,402	84,189	12,857	112,398	308	83,210
Electrical machinery, apparatus, and supplies	1,611	589,398	174	53,768	73	180,312	42	5,061	11	622	66,578	349,635	61,200	338,795	398	172,403
Electroplating	430	10,743	6	195			10	176	1	20	1,745	10,352				
Emery wheels and other abrasive and polishing appliances	61	11,654	8	1,554	3	1,635	1	4			1,003	8,411	80	1,097	11	2,220
Enameling and japanning	80	3,775	2	55			1	3			583	3,717				
Engines and water wheels	216	224,194	89	26,229	20	47,043	119	12,819	6	250	12,088	137,848	11,671	114,612	142	60,345
Engravers' materials	15	921	1	125							109	796				
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking	141	1,753	1	100							647	1,653	9	25	3	60
Engraving, steel and copperplate, and plate printing	277	5,764	2	70			2	14			2,380	5,680				
Engraving, wood	9	32									26	32				
Envelopes	132	10,288	21	2,619	3	100	5	190	2	265	4,327	7,114	1,473	2,144	22	1,843
Excelsior	72	11,993	42	6,520	4	320	4	200	14	1,089	189	3,864	1	3	2	52
Explosives	103	37,808	196	14,900	17	6,353	13	158	8	867	1,098	15,530	1,179	13,739	66	11,584
Fancy and miscellaneous articles, not elsewhere classified	374	9,071	20	1,388			9	136	4	84	2,510	7,463	21	137	4	416
Feathers, plumes, and manufactures thereof	35	334					5	54			75	280				
Felt goods, wool or hair	50	23,478	41	6,687	5	3,273	1	5	39	2,435	1,339	11,078	787	5,524	25	5,172
Fertilizers	566	152,193	381	28,292	13	1,872	104	3,179	3	62	5,534	118,788	663	10,699	102	8,920

Files	37	11,534	21	5,940					1	30	309	5,564	10	156	2	126
Firearms	20	14,580	18	1,841	9	2,789	2	582	3	365	540	9,003	858	2,806	3	1,941
Fire extinguishers, chemical	20	1,440									272	1,440				
Fireworks	24	1,148	9	315			5	43			200	790				
Flags and banners	40	629	2	205			1	30			218	394	82	95	3	175
Flavoring extracts and flavoring sirups	318	23,313	108	13,315	4	130	6	25			1,934	9,843	815	6,422	38	4,645
Flax and hemp, dressed	9	1,457	11	845							14	612				
Flour, feed, and other grain-mill products	4,413	669,910	1,089	169,284	38	29,699	1,175	65,047	1,900	103,028	10,639	302,852	1,857	42,535	391	45,560
Food preparations, not elsewhere classified	1,321	197,903	327	37,761	19	9,789	143	3,616	31	858	15,060	145,879	2,677	22,518	74	16,897
Forgings, iron and steel, not made in steel works or rolling mills	218	120,014	104	9,994	26	6,119	17	1,675	13	941	5,800	101,285	1,262	16,329	51	7,499
Foundry and machine-shop products, not elsewhere classified	8,000	1,424,259	1,425	198,750	111	59,292	795	39,479	283	11,881	105,520	1,114,857	28,063	297,364	1,009	177,170
Foundry supplies	60	10,733	40	3,900			8	304	1	100	325	6,429	18	95	2	110
Fuel, manufactured	13	6,573	5	685							193	5,888	2	175	1	200
Fur goods	1,871	4,985	1	25							8,094	4,960				
Furnishing goods, men's, not elsewhere classified	370	4,977	8	602			2	57	2	300	2,369	4,018	27	107	3	274
Furniture	3,010	402,519	1,243	169,575	35	12,620	96	3,710	99	5,100	34,866	211,514	14,791	108,626	481	76,457
Furs, dressed	124	9,858	19	3,113			2	9			869	6,736	175	2,460	7	710
Galvanizing and other coating, not done in rolling mills	44	1,881	3	52	1	100	2	54			169	1,675	2	5	2	50
Gas and electric fixtures, not including lamps and reflectors	297	13,728	21	3,038	2	125	8	187	4	160	2,011	10,218	308	1,530	14	1,549
Gas machines and gas and water meters	60	7,375	6	540			6	323			976	6,512	159	689	7	856
Gas, manufactured, illuminating and heating	908	428,132	3,176	203,319	815	77,796	82	7,696	5	508	5,030	138,813	1,227	16,496	104	13,065
Glass	304	271,639	227	55,098	33	43,896	240	46,826			8,295	125,819	9,663	133,348	337	106,151
Glass cutting, staining, and ornamenting	345	3,531	11	461			10	153	2	45	1,061	2,872			2	115
Gloves and mittens, cloth, not made in textile mills	115	3,516	4	285			6	92			888	3,139	12	218	4	190
Gloves and mittens, leather	217	3,852	13	1,040			2	22	2	255	1,112	2,535	29	235	4	375
Glue and gelatin	54	22,807	89	13,157	10	5,434	2	35			353	4,181	924	11,869	38	11,467
Gold and silver, leaf and foil	44	326					5	18			104	308				
Gold, silver, and platinum, reducing and refining, not from the ore	59	9,676	8	998			2	33			884	8,645	9	60	4	600
Graphite, ground and refined	11	2,927	2	500			3	370	7	790	73	1,267			2	27
Grease and tallow, not including lubricating greases	241	30,840	222	13,299	13	1,018	16	140			864	16,383	519	7,520	47	4,326
Grindstones, pulpstones, and millstones	20	3,005	45	913	1	32	26	936			50	1,124	4	235	1	225
Haircloth	11	1,058	7	780							29	278	3	65	1	65
Hair work	9	13									32	13				
Hammocks	4	200					1	50			26	150				
Hand stamps and stencils and brands	288	3,658	1	500			5	146	1	10	1,552	3,002				
Hardware, not elsewhere classified	457	98,278	105	20,818	23	18,345	33	1,368	19	907	6,577	56,840	1,694	21,781	99	24,940
Hat and cap materials	76	5,141	14	2,459	2	707	1	10	4	339	337	1,626	29	321	2	300

PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY, BY INDUSTRY GROUPS AND INDUSTRIES: 1925—Con.

GROUP AND INDUSTRY	Number of establishments reporting power	PRIME MOVERS											ELECTRIC MOTORS DRIVEN BY CURRENT GENERATED IN ESTABLISHMENTS REPORTING		ELECTRIC GENERATORS	
		Total primary horsepower	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines		Electric motors driven by purchased current				Number	Kilowatt rating
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower		
INDUSTRIES—continued																
Hats and caps, except felt and straw	545	1,876	1	85			1	4			1,458	1,787				
Hats, fur-felt	144	17,948	45	9,612	4	2,270	4	100	1	120	1,273	5,846	1,729	7,211	29	6,607
Hats, straw	79	3,541	22	1,635	1	60	2	18	2	240	602	1,538	95	382	8	575
Hats, wool-felt	21	2,550	14	1,795	2	180	4	40	2	160	99	375	86	676	6	936
Hones, whetstones, and similar products	6	891	2	530			6	96	2	125	5	140	9	278	1	180
Horse blankets, fly nets, and related products	20	1,773	9	1,585			1	25			66	163	103	812	5	698
Horseshoes, not made in rolling mills	8	1,042	2	90			1	15			44	937				
House-furnishing goods, not elsewhere classified	396	10,702	24	3,502	1	350	6	107	3	436	2,212	6,307	961	1,422	15	1,145
Ice cream	2,762	189,328	252	15,145	14	137	171	7,435	9	405	21,633	166,206	641	3,592	30	1,781
Ice, manufactured	3,076	923,134	3,379	343,386	126	21,466	784	70,551	37	1,730	18,619	486,001	4,094	40,415	923	59,622
Ink, printing	103	17,041	29	5,473	1	10	10	507			927	11,051	235	2,621	12	1,931
Ink, writing	13	700	3	405	2	100	1	15			100	180	115	346	3	246
Instruments, professional and scientific	221	17,595	13	1,395			12	165			4,320	16,035	252	601	14	935
Iron and steel: Blast furnaces	122	1,380,394	1,196	762,252	264	377,481	139	216,642			563	24,019	8,417	361,728	253	250,105
Iron and steel, processed	25	1,870	1	25			1	10			211	1,835				
Iron and steel: Steel works and rolling mills	473	4,763,533	3,576	2,014,063	771	962,237	180	357,805	25	2,738	44,679	1,426,690	74,851	2,331,477	838	1,024,751
Ivory, shell, and bone work, not including buttons, combs, or hairpins	26	392	7	334			3	63	1	40	124	455				
Jewelry	1,237	17,296	28	2,017	1	75	12	234	5	130	6,841	14,840	376	740	18	1,143
Jewelry and instrument cases	109	2,460	4	450			3	17			579	1,993	33	80	2	110
Jute goods	23	28,753	11	5,950	2	6,100			8	11,146	287	5,557	347	14,248	16	12,615
Knit goods	1,935	176,630	394	60,184	29	12,262	33	3,069	116	12,568	24,651	88,547	7,959	39,385	269	34,649
Labels and tags	100	4,808	6	1,683	1	35	4	54	2	140	1,173	2,896	1,047	3,006	12	1,677
Lamps and reflectors, not including electric bulbs	165	16,310	9	2,422	1	12	3	205	2	1,000	1,889	12,671	347	1,847	13	2,493

Lapidary work	80	515							8	3	604	512				
Lasts and related products	58	7,512	21	3,272			1	25			1,001	4,215	284	1,777	12	1,664
Lead: Bar, pipe, and sheet	28	4,090	14	1,728			1	19			166	2,343	52	670	5	645
Leather goods, not elsewhere classified	334	3,223	7	210			8	55			1,220	2,958	33	46	2	75
Leather: Tanned, curried, and finished	522	222,678	722	97,241	57	48,346	37	3,011	44	2,047	6,070	72,033	9,270	97,543	282	79,545
Lime	264	87,871	203	13,678	15	4,266	128	4,902	22	1,227	2,811	63,798	281	6,478	47	8,539
Linen goods	13	12,119	15	5,770	1	500			16	1,938	382	3,911	121	1,932	9	1,325
Linoleum	6	31,840	31	8,308	7	1,553					1,562	21,979	436	8,616	28	5,995
Liquors, vinous	22	1,499	15	653			4	16			131	830			2	7
Lithographing	317	28,623	32	6,368	1	150	4	325	1	30	6,406	21,750	903	3,439	37	4,307
Locomotives, not made in railroad repair shops	18	114,209	80	20,452	12	13,258	26	6,558			3,965	73,941	3,268	67,152	91	32,365
Lubricating greases, not made in petroleum refineries	48	3,867	13	2,008	1	25	4	69			222	1,765	76	1,803	4	990
Lumber and timber products, not elsewhere classified	8,974	2,049,500	15,683	1,453,753	453	350,970	1,523	40,226	397	33,117	8,301	171,434	22,558	568,823	1,201	382,769
Lumber: Planing-mill products, not made in planing mills connected with sawmills	4,741	597,103	2,019	246,732	57	20,066	249	6,959	78	2,508	35,644	320,838	7,193	79,114	357	56,783
Malt	23	15,259	26	8,463	1	750					290	6,046	252	6,306	19	4,540
Marble, slate, and stone work	2,214	240,297	573	41,251	6	3,785	262	5,447	60	13,582	10,204	176,232	1,747	34,063	186	22,960
Matches	25	16,314	18	2,647	9	8,230					733	5,437	2,258	9,442	18	7,266
Mats and matting, grass and coir	10	2,147	4	1,425	1	20					129	702	81	553	4	450
Mattresses and bed springs, not elsewhere classified	988	32,840	29	3,249	1	35	22	422	9	240	6,101	28,894	98	461	10	522
Metal-working machinery (including machine tools)	378	147,418	116	20,624	28	7,845	28	2,206	10	1,465	10,528	115,278	5,195	47,075	140	27,265
Millinery and lace goods, not elsewhere classified	2,041	11,986	37	2,617	1	3	12	148	2	125	7,681	9,093	739	2,415	20	1,697
Minerals and earths, ground or otherwise treated	249	127,649	235	34,438	11	15,120	56	3,357	32	5,105	2,320	69,629	583	20,463	42	17,841
Mirror and picture frames	131	6,102	12	1,430	3	450			1	20	1,014	4,202	7	4	4	68
Mirrors, framed and unframed	205	6,306	14	1,097	2	260	4	85			967	4,864	39	180	6	440
Models and patterns, not including paper patterns	659	10,473	6	990			25	448	1	20	2,753	9,015	20	428	2	500
Motion pictures, not including projection in theaters	78	29,472	5	475			39	4,608			1,852	24,389	188	323	5	385
Motor-vehicle bodies and motor-vehicle parts	1,347	662,255	183	73,516	42	119,331	24	1,125	8	495	64,457	467,788	36,975	181,495	187	130,074
Motor vehicles, not including motor cycles	297	509,758	185	46,288	101	122,192	12	410			40,299	340,868	22,184	177,052	1,907	127,473
Motor cycles, bicycles, and parts	36	12,609	9	2,100			1	60	4	205	996	10,244	48	932	5	995
Mucilage, paste, and other adhesives, not elsewhere classified	91	3,702	20	970			3	94	1	64	278	2,574	28	485	3	305
Musical instruments and materials, not elsewhere classified	87	4,907	2	100			6	26			2,020	4,781				
Musical instruments: Organs and orchestrions	55	3,983	22	740			3	50			909	3,193				

PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY, BY INDUSTRY GROUPS AND INDUSTRIES: 1925—Con.

GROUP AND INDUSTRY	Number of establishments reporting power	PRIME MOVERS											ELECTRIC MOTORS DRIVEN BY CURRENT GENERATED IN ESTABLISHMENTS REPORTING		ELECTRIC GENERATORS	
		Total primary horsepower	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines		Electric motors driven by purchased current					
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Kilowatt rating
INDUSTRIES—continued																
Musical instruments: Piano and organ materials	85	15,734	39	7,115	6	180	5	485	3	95	1,216	7,859	1,027	7,222	43	5,118
Musical instruments: Pianos	126	26,912	83	14,224	9	740	2	171			1,848	11,777	1,621	10,327	56	6,619
Nails, spikes, etc., not made in rolling mills	56	8,102	10	1,810			3	105	4	175	450	6,012	1	5	2	63
Needles, pins, hooks and eyes, and snap fasteners	47	7,603	12	2,241	7	1,403	1	25	10	705	878	3,229	237	2,147	18	2,105
Nets and seines	21	1,190	4	730			1	3	2	10	211	447	23	285	2	520
Oil, cake, and meal, cottonseed	535	239,005	552	133,020	6	4,218	58	8,602	1	250	2,094	92,915	205	7,158	198	8,351
Oil, cake, and meal, linseed	33	25,869	23	3,538	3	2,980	2	340	1	250	654	18,761	108	2,135	9	2,071
Oils, essential	11	1,164	16	893			3	9	1	10	53	252	24	201	5	129
Oils, not elsewhere classified	159	17,989	125	6,251	12	833	13	73	7	56	962	10,776	463	2,754	19	1,403
Oilcloth	9	3,484	9	2,280	1	90					185	1,114	526	3,425	20	1,090
Oleomargarine and other butter substitutes, not made in slaughtering and meat-packing establishments	38	6,740	21	2,217					3	75	544	4,448	172	1,255	11	1,180
Optical goods	107	11,017	8	1,275	3	3,000	19	48	1	175	2,437	6,519	666	3,888	23	8,107
Paints and varnishes	906	143,111	223	33,891	26	10,497	41	1,252	10	694	9,613	96,777	2,663	31,489	94	23,275
Paper and wood pulp	763	2,427,010	2,699	593,330	576	418,758	35	5,385	2,147	931,398	12,546	478,139	27,349	831,378	1,323	627,187
Paper goods, not elsewhere classified	292	35,324	44	10,656	2	135	12	208	7	960	4,030	23,365	1,207	8,767	27	6,722
Paper patterns	8	813									227	813				
Patent medicines and compounds	747	33,840	111	9,276			23	594			5,532	23,970	1,533	6,793	53	4,850
Paving materials, other than brick	600	207,469	594	50,817	15	2,325	156	5,834	6	320	3,459	148,173	110	3,548	22	3,102
Peanuts: Grading, roasting, cleaning, and shelling	69	8,830	50	5,390			8	665			252	2,775	37	299	10	406
Pencils, lead	25	8,209	13	4,025	1	400	2	280			712	3,504	280	1,200	5	2,050
Pens, fountain and stylographic	57	3,213	58	1,014	1	300	1	15	3	220	453	1,664	295	1,598	7	992
Pens, gold	13	121					2	16			66	105				
Pens, steel and brass	5	273	2	135			1	12			27	126	30	117	1	84

Perfumery, cosmetics, and toilet preparations	317	7,381	7	695			3	25			2,391	6,661	169	486	6	391
Petroleum refining	278	393,753	1,867	85,976	584	169,494	422	34,801			4,659	103,482	6,825	176,241	287	130,408
Phonographs	68	45,782	28	12,255	9	22,335	3	16	1	125	1,155	11,051	3,028	31,973	28	16,790
Photo-engraving, not done in printing establishments	552	6,735	1	6			1	6			5,380	6,723				
Photographic apparatus and materials	88	22,866	45	5,932	4	7,935			2	300	2,072	8,699	4,505	26,384	14	9,554
Pipes (tobacco) and cigar and cigarette holders	28	2,052	7	323							419	1,729	1	40	1	50
Plated ware	87	23,914	21	4,009	8	5,880	4	70	12	503	2,030	13,452	560	3,679	33	5,942
Plumbers' supplies, not including pipe or marble, slate, and porcelain sanitary ware	237	84,534	84	22,103	3	2,670	15	1,386	5	2,275	4,950	56,100	1,484	12,701	55	14,248
Pocketbooks, purses, and cardcases	170	1,356	6	340							723	1,016	42	118	4	175
Pottery, including porcelain ware	307	50,141	186	19,586	16	193	28	774	11	217	4,860	29,371	1,313	7,670	80	10,033
Poultry killing and dressing	116	5,684	24	1,116			8	378			641	4,190	34	87	5	231
Printing and publishing, book and job	9,843	169,283	94	14,445	1	30	58	1,110	6	5	91,218	153,693	3,067	8,577	64	6,568
Printing and publishing, music	26	1,363	2	250			1	120			297	993	43	215	3	275
Printing and publishing, newspaper and periodical	8,280	237,662	78	19,298	9	605	558	3,281	56	246	68,598	214,232	3,376	13,576	186	14,735
Printing materials, not including type or printing ink	68	1,981	8	223			1	2			550	1,756	15	40	2	35
Pulp goods	35	11,338	27	3,255	5	4,270	1	8	6	597	311	3,208	660	8,177	18	5,208
Pumps (hand and power) and pumping equipment	239	56,470	57	8,762	21	9,496	20	1,396	7	1,110	4,398	35,706	4,836	26,190	71	14,048
Rayon	13	66,966	76	4,490	50	33,631					2,627	28,845	1,285	22,679	14	17,850
Refrigerators, ice	158	23,297	51	10,972	1	100	4	486	3	125	1,981	11,614	1,257	8,631	31	5,839
Regalia, badges, and emblems	70	1,068	3	350			4	43	1	46	343	629	65	278	2	141
Rice cleaning and polishing	63	22,486	66	14,932	4	320	3	121			271	7,113	39	655	28	1,039
Roofing materials, not including wood, slate, burnt tile, asbestos, or metal other than metal shingles and ceilings	126	34,161	59	3,739	4	1,385	22	1,596	1	75	1,948	27,366	440	4,216	20	3,622
Rubber goods, not elsewhere classified	313	194,217	152	35,545	28	13,717	10	165	14	1,205	6,912	143,585	1,958	30,836	101	20,680
Rubber tires and inner tubes	126	403,227	165	32,534	78	131,640	4	129	1	90	11,925	238,834	9,712	160,880	83	110,850
Saddlery and harness	241	5,021	13	875			7	261	1	35	916	3,850	95	533	9	654
Safes and vaults	34	10,054	8	2,090							840	7,964	231	2,495	8	1,605
Salt	67	54,647	268	27,939	49	12,090	16	1,115	1	5	803	13,498	1,437	16,444	58	16,627
Sandpaper, emery paper, and other abrasive paper and cloth	12	4,513	12	2,185			1	30			286	2,298				
Sand-lime brick	41	6,396	29	3,495	5	205	3	43			183	2,653	1	10	2	28
Sausage and sausage casings, not made in slaughtering and meat-packing establishments	453	18,184	36	1,252	1	70	13	229	1	7	1,803	16,626	9	120	4	185

PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY, BY INDUSTRY GROUPS AND INDUSTRIES: 1925—Con.

GROUP AND INDUSTRY	Number of establishments reporting power	PRIME MOVERS											ELECTRIC MOTORS DRIVEN BY CURRENT GENERATED IN ESTABLISHMENTS REPORTING		ELECTRIC GENERATORS	
		Total primary horsepower	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines		Electric motors driven by purchased current				Number	Kilowatt rating
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower		
INDUSTRIES—continued																
Saws	69	14,287	20	3,365			2	105			952	10,817	60	1,600	15	1,125
Scales and balances	70	9,771	6	565	1	100	8	345	2	45	1,163	8,716	32	404	2	319
Screw-machine products	186	30,514	15	2,708			11	407			3,247	27,399	111	1,356	11	1,621
Screws, wood	12	11,970	11	5,075	3	650			1	90	577	6,155	142	2,368	16	1,885
Sewing machines, cases, and attachments	37	27,439	18	4,370	8	18,503	1	150	6	382	683	4,034	1,649	20,867	23	19,008
Ship and boat building, steel and wooden, including repair work	537	303,470	384	47,464	21	4,293	210	5,164	7	85	11,847	246,464	2,594	39,733	95	25,777
Shirts	793	13,884	41	3,640			27	515	3	229	4,057	9,500	352	1,077	23	1,744
Signs and advertising novelties	353	12,550	21	3,430			10	143			2,816	8,977	954	2,516	18	2,280
Silk manufactures	1,453	212,609	301	60,221	61	17,083	46	3,237	42	5,650	60,351	126,418	18,250	29,690	253	45,345
Silversmithing and silverware	86	7,770	24	3,061	2	150	3	53	4	220	1,024	4,286	365	1,880	22	1,912
Slaughtering and meat packing, wholesale	1,073	441,516	1,170	188,126	180	41,930	51	2,242	10	810	15,439	203,408	8,093	104,298	325	64,636
Smelting and refining, copper	26	326,509	172	91,347	40	83,996	3	558	4	1,890	3,800	148,718	3,197	76,596	101	96,134
Smelting and refining, lead	17	47,219	47	13,374	7	5,083					1,312	28,762	446	5,033	22	8,897
Smelting and refining, metals other than gold, silver, or platinum, not from the ore	78	14,240	15	3,125	1	500	7	596	3	12	750	10,007	74	462	12	1,936
Smelting and refining, zinc	28	86,368	284	28,405	45	30,839	22	1,426	1	1,005	898	24,693	2,112	45,868	69	37,178
Soap	247	56,697	274	26,665	17	6,363	7	78	1	35	2,779	23,556	4,586	28,585	80	17,106
Soda-water apparatus	55	4,180	5	580			1	30			598	3,570	26	277	4	262
Sporting and athletic goods, not including firearms or ammunition	164	11,550	16	2,050			8	329	12	490	1,585	8,681	167	579	7	547
Springs, steel: Railway, vehicle, heavy machine, etc., not made in rolling mills	98	22,492	22	3,665	1	75	6	830	3	290	1,970	17,632	168	2,681	16	2,395
Stamped and enameled ware, not elsewhere classified	366	64,346	69	13,702	7	583	31	1,774	3	51	6,156	48,236	1,564	11,671	59	8,739
Stationery goods, not elsewhere classified	205	10,970	17	1,545	1	12	5	103	6	495	4,069	8,815	614	1,804	27	1,108
Statuary and art goods, factory product	60	1,340	1	120			7	124			235	1,096	15	100	1	150

Steam and other packing, pipe and boiler covering, and gaskets, not made in textile mills	161	20,113	58	7,103	3	2,064	14	418			1,146	10,528	747	5,785	66	3,776
Steam fittings and steam and hot-water heating apparatus	223	109,313	111	20,408	8	6,127	5	260	1	40	7,127	82,478	1,587	17,852	92	10,875
Steel barrels, kegs, and drums	32	7,739	19	3,050							525	4,689	123	1,140	5	980
Stereotyping and electrotyping, not done in printing establishments	193	13,774	1	8					6	340	5,091	13,426				
Stoves and appliances, gas and oil	230	30,581	35	5,714			5	215	1	75	3,116	24,577	563	4,779	27	5,842
Stoves (other than gas, oil, or electric) and warm-air furnaces	313	63,545	101	13,311	2	1,312	20	2,998	1	10	5,059	45,914	915	9,008	71	7,642
Structural and ornamental ironwork, not made in rolling mills	1,117	211,732	204	31,233	14	5,845	157	6,708	12	27	15,682	167,919	4,199	45,553	111	16,483
Sugar, beet	89	146,985	626	116,284	45	19,390	18	240			684	11,071	3,370	59,102	183	40,058
Sugar, cane, not including products of refineries	94	72,796	624	67,155	28	4,833	27	808					29	463	46	1,458
Sugar refining, cane	21	89,098	118	48,074	33	37,200	1	10			223	3,814	6,403	91,150	82	51,658
Sulphuric, nitric, and mixed acids	36	22,120	88	4,443	3	275	16	1,521			755	15,881	213	2,376	19	1,835
Surgical appliances	143	11,572	21	3,086	4	1,560	4	32	4	475	1,669	6,419	64	525	16	2,722
Suspenders, garters, and elastic woven goods, made from purchased webbing	88	876	1	18					1	60	618	798				
Tanning materials, natural dyestuffs, mordants and assistants, and sizes	106	32,634	144	24,018	14	2,739	7	139	2	80	474	5,658	418	6,842	44	5,748
Textile machinery and parts	372	61,738	80	12,516	8	4,730	25	818	27	2,257	6,008	41,417	1,861	17,136	57	9,320
Theatrical scenery and stage equipment	29	413									140	413				
Tin and other foils, not including gold and silver; collapsible tubes	25	18,712	1	750			8	478			1,162	17,484	33	739	7	1,001
Tin cans and other tinware, not elsewhere classified	212	48,728	89	13,770	8	2,371	14	403			6,642	32,184	3,438	14,404	70	14,294
Tobacco: Chewing and smoking, and snuff	124	17,541	109	12,193	6	804	4	18	6	207	536	4,319	854	6,411	52	6,813
Tobacco: Cigars and cigarettes	608	24,534	33	8,845	6	3,296	7	55			5,605	12,338	2,308	8,563	33	8,165
Tools, not including edge tools, machine tools, files, or saws	650	78,686	86	11,788	7	2,490	66	2,807	41	2,532	6,907	59,069	1,481	10,172	68	9,656
Toys (not including children's wheel goods or sleds), games, and playground equipment	336	20,744	40	5,315	1	25	15	308	19	1,123	2,971	13,973	283	1,503	16	1,592
Trunks, suitcases, and bags	407	7,893	27	3,130			7	123	1	50	1,652	4,590	370	1,868	13	1,245
Turpentine and rosin	683	3,138	139	900	4	13	595	2,209	4	11	4	5			1	15
Type founding	18	1,236	3	961							108	275	521	688	3	575
Typewriters and supplies	69	15,568	23	4,621	5	3,071	3	55			919	7,821	499	5,663	23	6,032
Umbrellas, parasols, and canes	157	3,027	10	1,550			1	10	1	10	606	1,457	54	483	7	800
Upholstering materials, not elsewhere classified	34	3,380	20	1,635			8	164	1	10	200	1,571	65	765	6	753
Vinegar and cider	157	6,929	74	2,057			52	431	4	91	704	4,350	11	58	67	623
Wall paper	49	11,528	48	5,754	2	487					591	5,287	275	2,743	22	3,410
Wall plaster, wall board, and floor composition	204	82,863	80	15,705	8	8,206	35	5,620	4	345	2,707	52,987	1,115	22,991	65	13,798

PRIME MOVERS, MOTORS, AND GENERATORS, BY NUMBER AND RATED CAPACITY, BY INDUSTRY GROUPS AND INDUSTRIES: 1925—Con.

GROUP AND INDUSTRY	Number of establishments reporting power	PRIME MOVERS											ELECTRIC MOTORS DRIVEN BY CURRENT GENERATED IN ESTABLISHMENTS REPORTING		ELECTRIC GENERATORS	
		Total primary horsepower	Steam engines		Steam turbines		Internal-combustion engines		Water wheels and water turbines		Electric motors driven by purchased current				Number	Kilowatt rating
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower		
INDUSTRIES—continued																
Washing machines, clothes wringers, driers, and ironing machines, for domestic use	82	18,028	15	2,946			3	85	1	20	2,099	14,977	224	1,855	9	1,328
Waste	98	15,396	29	2,612	3	200	8	273	5	400	633	11,911	10	325	4	285
Watch and clock materials and parts, except watchcases	22	219					1	25			65	194				
Watchcases	41	4,106	5	2,350	1	35	4	460			469	1,261	509	2,133	12	2,170
Watches and watch movements	13	12,348	29	7,314	1	2,133	3	435			537	2,466	605	4,046	32	6,339
Whips	7	158									21	158				
Windmills and windmill towers	15	3,378	11	2,225	1	100	1	9	4	306	115	738	218	2,077	13	1,805
Window and door screens and weather strips	178	10,674	22	4,218	3	204	25	263	1	35	1,139	5,954	100	893	11	1,193
Window shades and fixtures	269	11,151	23	2,761	5	5,290			6	206	1,244	2,894	904	8,170	18	5,850
Wire, drawn from purchased bars or rods	68	138,115	83	38,601	19	16,042	3	405	12	1,146	4,452	81,921	2,171	42,076	57	16,497
Wirework, not elsewhere classified	433	35,943	33	4,675			23	509	4	151	4,751	30,608	497	2,986	27	2,803
Wood distillation and charcoal manufacture	77	17,907	127	7,579	17	5,359	15	513	11	88	338	4,368	492	9,057	58	8,491
Wood preserving	123	33,521	412	26,080	14	684	20	432			326	6,325	190	3,578	61	3,130
Wood, turned and carved	511	44,664	332	26,468	8	482	43	1,036	65	3,422	1,923	13,256	599	4,882	55	3,725
Wooden goods, not elsewhere classified	187	20,446	81	10,810	4	1,925	14	387	17	786	997	6,538	396	4,564	23	3,207
Wool pulling	22	2,706	12	853	2	175	1	45			116	1,633	3	35	1	25
Wool scouring	25	7,823	13	3,220	2	1,402			5	625	180	2,576	296	3,030	9	1,470
Wool shoddy	67	15,435	30	4,348	5	955			32	2,284	357	7,848	202	1,730	12	1,940
Woolen goods	495	193,080	344	66,686	34	21,120	18	1,773	457	46,407	6,838	57,094	7,728	55,081	293	45,855
Worsted goods	318	377,215	266	98,876	114	166,113	1	36	127	35,026	11,845	77,164	20,680	175,236	310	181,052
Wrought pipe, not made in rolling mills	42	41,306	47	12,760	10	9,825	3	150			1,352	18,571	2,118	16,253	30	13,461