

CLOTHING, WORK (INCLUDING WORK SHIRTS), MEN'S

[A preliminary report for this industry was issued on Oct. 9, 1934]

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of overalls, unionalls, work pants, work coats, work shirts, windbreakers and lumberjacks, oiled waterproof outer garments, and children's play suits. (Play suits are classified in this industry because these suits and men's work clothing are made, as a rule, in the same types of establishments and of the same kinds of materials.) Work shirts, formerly classified in the shirt industry, and children's play suits, windbreakers and lumberjacks, and oiled waterproof outer garments, formerly classified in the men's-clothing industry, are now assigned to the work-clothing industry; and sheep-lined garments, classified in the work-clothing industry in 1931, are now assigned to the men's-clothing industry. Because of these changes in classification, no comparable figures for 1931 can be given in this report.

Extent of coverage.—The 1933 coverage of the establishments reporting at the 1931 census in this industry (as then constituted) was nearly complete. Of the 468 such establishments, 22 failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, but these establishments accounted for only a little more than 1 percent of the total number of wage earners and for less than 1 percent of the total value of products reported for the industry as constituted in 1931.

TABLE 1.—SUMMARY BY STATES: 1933

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1 2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars.</i> (See sec. 25, p. 13)								
United States.....	558	2,402	55,281	3,388	26,071	82,400	135,336	52,867
<i>States</i>								
Alabama.....	9	43	1,422	48	509	1,285	2,350	1,065
Arkansas.....	3	19	389	19	147	599	1,054	455
California.....	17	127	1,993	271	1,320	3,442	5,935	2,493
Georgia.....	21	102	2,970	173	1,140	5,298	8,159	2,891
Illinois.....	28	100	2,133	125	1,120	3,897	5,796	1,898
Indiana.....	36	213	7,144	244	3,353	9,772	15,332	5,559
Iowa.....	13	56	737	74	391	1,119	1,853	753
Kansas.....	5	20	235	24	87	279	501	222
Kentucky.....	12	61	2,089	93	768	2,996	4,317	1,320
Louisiana.....	6	16	313	16	141	393	680	287
Maine.....	4	9	139	20	64	96	207	110

For footnotes, see end of table.

TABLE 1.—SUMMARY BY STATES: 1933—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1, 2}	Number of wage earners (average for the year)	Salaries ¹	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars. (See sec. 25, p. 13)</i>								
<i>States—Continued</i>								
Maryland.....	29	81	1,586	103	920	3,753	6,510	2,757
Massachusetts.....	38	109	1,309	153	906	2,264	4,070	1,800
Michigan.....	6	25	460	43	200	615	982	367
Minnesota.....	11	52	654	53	361	1,092	1,820	728
Mississippi.....	9	39	1,986	54	859	2,337	3,945	1,008
Missouri.....	28	237	4,354	335	1,059	5,894	9,128	3,234
Nebraska.....	5	16	115	30	57	339	670	351
New Hampshire.....	4	20	145	18	83	191	329	130
New Jersey.....	12	40	954	44	516	1,389	2,248	860
New York.....	42	177	1,942	300	1,207	3,980	6,728	2,748
North Carolina.....	12	49	2,725	80	1,125	3,971	5,667	1,695
Ohio.....	18	84	1,888	129	895	2,696	4,361	1,665
Oklahoma.....	3	7	105	10	46	132	219	87
Pennsylvania.....	51	138	3,473	170	1,809	5,172	9,135	3,963
Tennessee.....	28	100	3,358	128	1,218	4,267	7,061	2,703
Texas.....	41	190	3,873	262	1,724	4,505	8,281	3,775
Utah.....	3	13	270	20	109	376	609	233
Vermont.....	3	7	109	17	54	110	191	81
Virginia.....	21	95	3,351	118	1,288	4,644	7,411	2,768
Washington.....	6	29	453	44	284	793	1,449	650
West Virginia.....	6	30	949	40	363	1,603	2,725	1,122
Wisconsin.....	12	46	642	54	352	946	1,714	798
Other States ⁴	16	52	1,018	75	714	2,252	3,602	1,660

¹ Not including 236 proprietors and firm members.² These figures do not include data for number and compensation of salaried officers of corporations nor for employees of central administrative offices.³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.⁴ States included and numbers of establishments reporting are: Colo., 4; Conn., 3; Del., 2; D. C., 1; Fla., 1; Oreg., 2; R. I., 2; S. C., 1.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1933

	Quantity	Value
1. "Clothing, work (including work shirts), men's" industry, all products, total value.....		\$135,335,943
2. Men's work clothing.....		124,433,742
3. Other products (not normally belonging to the industry).....		9,016,310
4. Receipts for contract work.....		1,885,891
5. Men's work clothing made as secondary products in other industries.....		9,005,475
Men's work clothing, aggregate value (2 and 5).....		133,439,217
	<i>Dozens</i>	
Overalls, overall jackets, and 1-piece overall suits.....	7,499,887	55,931,094
Work pants and breeches.....	3,510,383	37,002,008
Men's and youths' work shirts (including flannel).....	4,999,773	23,349,878
Children's play suits.....	818,424	4,151,012
	<i>Number</i>	
Windbreakers and lumberjacks (excluding leather) ¹	2,924,542	8,614,667
Oiled waterproof outer garments.....	993,693	1,620,506
Other work clothing, value.....		2,770,052

¹ For sheep-lined garments, see table 2, p. 186.

TABLE 3.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 20, p. 13]

	Mar.	June	Sept.	Dec.		Mar.	June	Sept.	Dec.
United States ¹	49,800	53,802	60,464	52,716	<i>States—Contd.</i>				
<i>States</i>					Mississippi.....	1,616	1,887	2,378	2,470
Alabama.....	1,462	1,458	1,514	1,193	Missouri.....	4,255	4,694	4,777	3,436
Arkansas.....	400	482	463	285	Nebraska.....	115	124	129	81
California.....	1,604	2,208	2,542	1,562	New Hampshire.....	125	162	172	126
Colorado.....	320	399	403	336	New Jersey.....	820	991	1,054	946
Connecticut.....	122	124	125	122	New York.....	1,664	2,009	2,120	1,942
Georgia.....	3,045	3,227	2,867	2,650	North Carolina.....	2,646	2,825	2,911	2,716
Illinois.....	1,718	2,134	2,341	2,314	Ohio.....	1,857	1,967	1,987	1,799
Indiana.....	6,552	7,308	7,651	7,188	Oklahoma.....	103	104	110	107
Iowa.....	602	777	873	714	Pennsylvania.....	3,207	3,837	3,681	3,412
Kansas.....	189	254	295	199	Tennessee.....	2,740	3,744	3,702	3,110
Kentucky.....	1,603	2,080	2,319	2,519	Texas.....	3,400	4,530	4,269	3,108
Louisiana.....	209	398	392	310	Utah.....	244	265	324	211
Maine.....	121	159	163	125	Vermont.....	70	101	184	96
Maryland.....	1,540	1,713	1,610	1,375	Virginia.....	3,019	3,615	3,534	3,279
Massachusetts.....	1,127	1,372	1,419	1,308	Washington.....	318	520	517	466
Michigan.....	436	489	460	435	West Virginia.....	901	923	1,060	932
Minnesota.....	573	668	725	635	Wisconsin.....	599	656	685	628

¹ See sec. 5, p. 4, and sec. 13, p. 8. The 487 establishments canvassed with the standard schedule reported wage earners, by months, as follows:

January.....	45,777	May.....	53,620	September.....	50,271
February.....	43,739	June.....	57,445	October.....	57,788
March.....	43,998	July.....	60,394	November.....	55,534
April.....	50,418	August.....	59,812	December.....	51,643

CLOTHING, WOMEN'S, NOT ELSEWHERE CLASSIFIED

[A preliminary report for this industry was issued on Dec. 18, 1934]

Description of the industry.—The establishments classified in this industry are those whose principal products are women's, girls', and children's clothing (except that made in knitting mills), such as suits, dresses, coats, skirts, blouses and shirt-waists, kimono's, nurses' and maids' uniforms, hooovers, smocks, aprons, underwear, raincoats, etc. The manufacture of corsets, millinery, gloves and mittens, footwear, hosiery, and children's play suits, and the manufacture of underwear and outerwear in knitting mills, are not included, these products being classified in other industries. (See "Contract work," p. 180.)

Extent of coverage.—As the result of a variety of causes beyond the Bureau's control, including the numerous industrial changes that were taking place during the period, the census coverage of the women's clothing industry was somewhat incomplete. Of the 7,046 establishments that reported in this industry for 1931, 783 failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, and these establishments accounted for approximately 6 percent of the total number of wage earners and for somewhat more than 3 percent of the total value of products reported for the industry for 1931.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹ 2	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
<i>Thousands of dollars.</i> (See sec. 25, p. 13)									
ALL FACTORIES									
<i>United States</i>									
1933	5,350	12,836	159,832	19,689	127,418	88,817	456,424	846,300	389,876
1931	7,046	(¹)	173,890	(¹)	189,187	128,930	704,259	1,292,253	587,994
1929	8,082	27,215	187,500	83,917	243,851	153,005	934,414	1,709,581	775,167
1927	7,588	24,619	154,459	62,289	211,350	147,902	809,520	1,494,401	684,881
<i>States</i>									
California:									
1933	272	550	6,831	760	5,098	294	13,209	23,790	10,580
1931	281	(¹)	7,145	(¹)	7,207	360	16,630	31,597	14,967
Connecticut:									
1933	55	163	4,596	262	2,128	164	4,236	8,089	3,852
1931	73	(¹)	3,904	(¹)	2,725	197	3,067	7,496	4,430
Florida:									
1933	7	8	84	11	41	-----	74	179	105
1931	6	(¹)	100	(¹)	56	-----	147	270	123
Georgia:									
1933	11	33	686	44	268	6	1,016	1,791	775
1931	16	(¹)	732	(¹)	306	-----	1,375	2,095	720

For footnotes, see end of table.

TABLE I.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³	
										<i>Thousands of dollars.</i> (See sec. 25, p. 13)
ALL FACTORIES—CON.										
<i>States—Continued</i>										
Illinois:										
1933.....	236	783	11,846	1,064	7,697	968	20,781	38,565	17,784	
1931.....	309	(⁴)	12,367	(⁴)	10,516	768	26,280	49,570	23,290	
Indiana:										
1933.....	14	126	1,736	152	957	-----	2,064	3,708	1,644	
1931.....	18	(⁴)	1,653	(⁴)	1,137	83	2,726	5,327	2,602	
Iowa:										
1933.....	3	3	9	2	4	-----	13	26	13	
Kentucky:										
1933.....	3	30	120	27	41	-----	65	206	141	
1931.....	4	(⁴)	145	(⁴)	71	23	197	572	375	
Louisiana:										
1933.....	7	17	139	22	63	11	223	437	210	
1931.....	9	(⁴)	296	(⁴)	105	15	313	632	319	
Maryland:										
1933.....	63	187	2,491	264	1,409	533	4,369	8,319	3,949	
1931.....	61	(⁴)	2,946	(⁴)	2,151	750	6,061	10,929	4,868	
Massachusetts:										
1933.....	244	386	6,160	452	4,519	1,099	13,196	23,659	10,464	
1931.....	310	(⁴)	7,727	(⁴)	7,130	1,747	17,698	34,014	16,316	
Michigan:										
1933.....	19	93	2,562	147	1,195	-----	4,214	6,377	2,162	
1931.....	17	(⁴)	1,117	(⁴)	737	28	2,714	4,217	1,504	
Minnesota:										
1933.....	31	103	1,185	121	586	-----	1,442	2,894	1,452	
1931.....	25	(⁴)	1,117	(⁴)	811	4	1,934	3,610	1,676	
Missouri:										
1933.....	90	467	5,375	732	3,235	114	9,632	17,339	7,707	
1931.....	115	(⁴)	6,088	(⁴)	5,052	293	14,689	25,513	10,824	
New Jersey:										
1933.....	166	296	10,144	514	5,704	331	8,773	19,263	10,491	
1931.....	238	(⁴)	9,917	(⁴)	7,591	547	7,534	20,392	12,859	
New York:										
1933.....	3,666	8,004	80,014	12,757	79,901	82,943	335,228	619,073	283,845	
1931.....	4,909	(⁴)	90,589	(⁴)	122,606	120,508	548,774	990,463	441,688	
Ohio:										
1933.....	83	354	4,154	547	2,638	636	8,149	15,978	7,830	
1931.....	111	(⁴)	4,995	(⁴)	4,910	1,057	12,725	25,460	12,735	
Oregon:										
1933.....	7	24	370	40	204	-----	587	1,048	461	
1931.....	17	(⁴)	389	(⁴)	317	-----	757	1,302	545	
Pennsylvania:										
1933.....	232	788	13,605	1,184	8,144	1,377	19,412	38,050	18,638	
1931.....	342	(⁴)	14,332	(⁴)	11,269	2,200	29,337	56,959	27,622	
Tennessee:										
1933.....	10	21	297	28	130	-----	331	643	312	
1931.....	12	(⁴)	540	(⁴)	239	-----	560	1,162	603	
Texas:										
1933.....	39	114	2,093	162	809	109	2,103	4,181	2,077	
1931.....	40	(⁴)	2,168	(⁴)	1,049	88	2,376	5,008	2,633	
Vermont:										
1933.....	4	9	274	9	110	-----	145	349	204	
1931.....	4	(⁴)	345	(⁴)	187	1	139	514	375	
Washington:										
1933.....	29	55	612	76	383	4	897	1,858	961	
1931.....	40	(⁴)	1,196	(⁴)	843	5	2,046	3,907	1,861	
West Virginia:										
1933.....	5	35	1,078	61	504	-----	1,573	2,245	672	
1931.....	6	(⁴)	1,036	(⁴)	421	-----	1,432	2,421	989	
Wisconsin:										
1933.....	19	89	1,267	123	712	148	2,031	3,621	1,590	
1931.....	23	(⁴)	1,153	(⁴)	773	33	2,093	3,997	1,903	
Other States: ⁶										
1933.....	35	98	2,104	128	936	82	2,657	4,614	1,956	
1931.....	50	(⁴)	1,833	(⁴)	979	218	2,657	4,825	2,168	

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes 1	Number of wage earners (average for the year)	Salaries 2	Wages	Cost of contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture 3
<i>Thousands of dollars. (See sec. 25, p. 13.)</i>									
REGULAR FACTORIES									
<i>United States</i>									
1933.....	3, 627	11, 678	116, 975	18, 114	96, 109	88, 480	452, 374	796, 035	343, 661
1931.....	4, 556	(4)	123, 870	(4)	141, 026	128, 168	699, 490	1, 219, 227	519, 738
1929.....	5, 176	24, 752	139, 393	77, 578	181, 606	151, 802	926, 983	1, 605, 221	678, 637
1927.....	4, 923	22, 403	116, 932	57, 664	158, 372	146, 004	797, 311	1, 393, 931	601, 620
<i>States</i>									
California:									
1933.....	258	540	6, 627	751	4, 991	293	13, 177	23, 595	10, 418
1931.....	269	(4)	6, 940	(4)	7, 082	359	16, 620	31, 411	14, 792
Connecticut:									
1933.....	20	96	2, 417	159	999	157	4, 120	6, 327	2, 207
1931.....	22	(4)	1, 492	(4)	953	142	2, 969	5, 055	2, 035
Florida:									
1933.....	7	8	84	11	41	-----	74	179	105
1931.....	6	(4)	100	(4)	56	-----	147	270	123
Georgia:									
1933 4	11	33	686	44	268	6	1, 016	1, 791	775
Illinois:									
1933.....	205	751	11, 007	1, 023	7, 193	968	20, 707	37, 698	16, 990
1931.....	278	(4)	11, 455	(4)	9, 949	768	26, 232	48, 716	22, 484
Iowa:									
1933 5	3	3	9	2	4	-----	13	26	13
Louisiana:									
1933.....	7	17	139	22	63	11	226	437	210
1931.....	9	(4)	296	(4)	105	15	313	632	319
Maryland:									
1933.....	47	173	1, 872	253	1, 077	533	4, 325	7, 807	3, 482
1931.....	51	(4)	2, 375	(4)	1, 865	750	6, 048	10, 580	4, 533
Massachusetts:									
1933.....	185	369	5, 223	432	3, 852	1, 099	13, 100	22, 640	9, 540
1931.....	229	(4)	5, 896	(4)	5, 743	1, 747	17, 504	32, 071	14, 507
Michigan:									
1933 6	19	93	2, 562	147	1, 195	-----	4, 214	6, 377	2, 162
Minnesota:									
1933.....	31	103	1, 185	121	586	-----	1, 442	2, 894	1, 452
1931.....	35	(4)	1, 117	(4)	811	4	1, 934	3, 610	1, 076
Missouri:									
1933.....	86	466	5, 314	731	3, 196	114	9, 631	17, 233	7, 652
1931.....	103	(4)	5, 818	(4)	4, 899	298	14, 679	25, 299	10, 620
New Jersey:									
1933.....	63	173	4, 187	314	2, 584	321	7, 967	14, 225	6, 259
1931.....	55	(4)	2, 510	(4)	1, 980	520	7, 120	12, 326	5, 705
New York:									
1933.....	2, 277	7, 224	52, 309	11, 708	56, 370	82, 637	332, 482	580, 873	248, 391
1931.....	2, 923	(4)	59, 646	(4)	87, 303	119, 865	544, 935	935, 050	390, 115
Ohio:									
1933.....	71	346	3, 953	537	2, 500	636	8, 131	15, 782	7, 051
1931.....	83	(4)	4, 446	(4)	4, 411	1, 047	12, 711	24, 865	12, 153
Oregon:									
1933.....	7	24	370	40	204	-----	587	1, 048	461
1931.....	17	(4)	389	(4)	317	-----	757	1, 302	545
Pennsylvania:									
1933.....	184	700	10, 067	1, 074	6, 628	1, 377	19, 319	35, 990	16, 071
1931.....	253	(4)	10, 124	(4)	9, 096	2, 197	29, 209	54, 023	24, 814
Tennessee:									
1933.....	10	21	297	28	130	-----	331	643	312
1931.....	12	(4)	540	(4)	239	-----	560	1, 162	603
Washington:									
1933.....	29	55	612	76	383	4	897	1, 858	961
1931.....	40	(4)	1, 196	(4)	843	5	2, 046	3, 907	1, 361
West Virginia:									
1933.....	5	35	1, 078	61	504	-----	1, 573	2, 245	672
1931.....	6	(4)	1, 036	(4)	421	-----	1, 432	2, 421	989
Other States: 7									
1933.....	102	448	6, 977	581	3, 341	323	9, 041	16, 318	7, 277
1931.....	155	(4)	8, 494	(4)	4, 942	451	14, 214	26, 028	11, 814

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
Thousands of dollars. (See sec. 25, p. 13)									
CONTRACT SHOPS									
<i>United States</i>									
1933.....	1,723	1,158	42,857	1,575	31,309	338	4,050	50,265	46,215
1931.....	2,490	(⁴)	50,020	(⁴)	48,182	762	4,769	73,026	68,257
1929.....	2,906	2,463	48,107	6,338	62,245	1,234	7,830	104,360	96,530
1927.....	2,660	2,216	37,527	4,605	52,978	1,898	12,210	95,471	83,261
<i>States</i>									
California:									
1933.....	14	10	204	9	108	(⁵)	32	195	163
1931.....	12	(⁴)	205	(⁴)	124	(⁵)	10	186	175
Connecticut:									
1933.....	35	67	2,179	103	1,128	7	116	1,762	1,646
1931.....	51	(⁴)	2,472	(⁴)	1,707	55	97	2,442	2,344
Illinois:									
1933.....	31	32	839	41	504	-----	74	867	793
1931.....	31	(⁴)	912	(⁴)	566	-----	48	854	806
Maryland:									
1933.....	16	14	619	11	332	-----	44	512	467
1931.....	10	(⁴)	571	(⁴)	235	-----	13	348	335
Massachusetts:									
1933.....	50	17	937	20	667	(⁶)	95	1,020	924
1931.....	81	(⁴)	1,831	(⁴)	1,382	-----	134	1,943	1,809
Missouri:									
1933.....	4	1	61	(⁷)	39	-----	1	56	55
1931.....	7	(⁴)	270	(⁴)	153	-----	10	214	205
New Jersey:									
1933.....	103	123	5,957	200	3,120	10	806	5,038	4,232
1931.....	183	(⁴)	7,407	(⁴)	5,612	27	414	7,567	7,153
New York:									
1933.....	1,389	780	27,705	1,049	23,531	306	2,746	38,200	35,454
1931.....	1,986	(⁴)	30,943	(⁴)	35,303	644	3,839	55,413	51,674
Ohio:									
1933.....	12	8	201	9	138	-----	18	197	179
1931.....	23	(⁴)	549	(⁴)	498	11	14	596	582
Pennsylvania:									
1933.....	48	88	3,538	110	1,516	-----	93	2,060	1,967
1931.....	89	(⁴)	4,208	(⁴)	2,173	3	128	2,935	2,808
Other States: ¹⁰									
1933.....	12	18	617	21	226	15	25	360	335
1931.....	17	(⁴)	652	(⁴)	297	23	62	528	466

¹ Not including proprietors and firm members, as follows: All factories—1933, 3,822; 1931, no data; 1929, 7,639; 1927, 8,386. Regular factories—1933, 2,100; 1931, no data; 1929, 4,553; 1927, 5,120. Contract shops—1933, 1,722; 1931, no data; 1929, 3,139; 1927, 3,266.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ No data.

⁵ Figures for 1931 withheld to avoid disclosing approximations of data for individual establishments; included in items for "Other States."

⁶ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ark., 4, 2; Colo., 1, 3; Del., 1, 3; D. C., 1, 2; Iowa (1931), 6; Kans., 3, 3; Maine, 2, 2; Miss., 2, 3; N. H., 1, 2; N. C., 4, 3; N. C., 1, 2; R. I., 6, 5; S. C., 1, 2; Utah, 2, 5; Va., 4, 5.

⁷ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ark., 4, 2; Colo., 1, 3; D. C., 1, 2; Ga. (1931), 14; Ind., 12, 13; Iowa (1931), 6; Kans., 3, 2; Ky., 2, 4; Maine, 2, 2; Mich. (1931), 16; Miss., 2, 2; Nebr., 1, 2; N. H., 1, 1; N. C., 4, 2; Okla., 1, 2; R. I., 4, 4; S. C., 1, 0; Tex., 37, 38; Utah, 2, 5; Vt., 2, 2; Va., 4, 5; Wis., 18, 23.

⁸ Less than \$500.

⁹ Withheld to avoid disclosing compensation of an individual employee; included in figure for "Other States."

¹⁰ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Del., 1, 3; Ga., 0, 2; Ind., 2, 0; Kans., 0, 1; Ky., 1, 0; Mich., 0, 1; Miss., 0, 1; N. H., 1, 1; N. C., 0, 1; R. I., 2, 1; S. C., 0, 2; Tex., 2, 2; Vt., 2, 2; Wis., 1, 0.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1933 AND 1931

	1933			1931		
	Products		Re- ceipts for con- tract work	Products		Re- ceipts for con- tract work
	Quantity	Value		Quantity	Value	
1. Women's clothing industry, total value of products and receipts for contract work.....	Thousands of dollars ¹ 846,300			Thousands of dollars ¹ 1,292,253		
2. All factories.....	795,231	51,069		1,218,747	73,506	
3. Regular factories.....	795,088	948		1,218,490	737	
4. Contract shops.....	143	50,121		257	72,769	
5. Women's, misses', and children's clothing made in the industry.....	783,422	38,333		1,209,152	73,506	
6. Other products (not normally belonging to the industry).....	4,129			9,594		
7. Women's, misses', juniors', and children's clothing and products not normally belonging to the industry, not reported separately ²	7,680	12,736				
8. Women's, misses', and children's clothing made as secondary products in other industries.....	10,574			15,829		
Women's, misses', and children's clothing, aggregate value (5 and 8).....	793,996	38,333		1,224,982	73,506	
Outerwear for women, misses, and juniors, specifically reported, total.....	577,448	32,430		3 934,195	3 63,552	
Dresses, 1-piece, total.....	Thousands 145,238	376,480	24,477	Thousands 167,192	618,162	45,556
Silk.....	43,451	227,747	15,722	(4)	(4)	(4)
Wool.....	4,546	26,845	1,461	(4)	(4)	(4)
Rayon and rayon-and-cotton.....	16,364	39,104	1,456	(4)	(4)	(4)
Cotton, total.....	80,877	82,784	5,837	(4)	(4)	(4)
Made to retail for less than \$10.....	79,553	66,830	3,713	(4)	(4)	(4)
Made to retail for \$10 or more.....	1,324	15,954	2,125	(4)	(4)	(4)
Coats and suits, total.....	15,731	177,832	7,015	20,549	296,007	16,697
Ensembles.....	155	2,464	264	1,960	14,916	1,480
Suits.....	2,562	26,101	1,568	2,318	29,058	1,677
Separate coats.....	13,014	149,267	5,183	16,272	252,034	13,540
Separate skirts.....	5,115	9,762	333	3,163	6,206	524
Blouses and shirt-waists.....	10,531	13,374	606	8,684	13,820	775
Outerwear for children, total.....	46,028	46,331	2,464	60,044	3 68,898	3 4,591
Dresses, total.....	39,256	29,406	1,465	40,433	37,588	2,704
Silk.....	2,670	4,915	129	3,733	9,399	360
Cotton.....	34,654	21,184	1,228	33,177	23,713	2,053
Other.....	1,931	3,307	109	3,522	4,475	291
Suits.....	3,968	3,695	233	14,903	11,022	970
Coats.....	2,804	13,231	766	4,708	20,288	917
Outerwear for infants.....	6,963	5,681	229	17,872	9,760	74

For footnotes, see end of table.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1933 AND 1931—Continued

	1933			1931		
	Products		Re- ceipts for con- tract work	Products		Re- ceipts for con- tract work
	Quantity	Value		Quantity	Value	
Women's, misses', and children's clothing—Continued.						
Underwear and nightwear (exclusive of that made in knitting mills):						
Women's, misses', and juniors' underwear:	<i>M doz.</i>			<i>M doz.</i>		
Woven fabrics, total.....	<i>pcs.</i> 9, 830	68, 219	1, 920	10, 656	86, 634	2, 193
Silk.....	4, 309	45, 975	1, 450	2, 995	50, 693	1, 134
Cotton.....	2, 038	7, 258	126	2, 254	9, 794	381
Rayon-and-cotton.....	376	1, 843	55	1, 607	8, 766	345
Rayon.....	3, 046	12, 868	289	3, 593	15, 972	282
Other woven fabrics.....	61	277	-----	207	1, 409	-----
Knitted fabrics, total.....	5, 970	18, 870	106	6, 273	30, 144	375
Silk.....	187	1, 391	-----	422	5, 242	88
Rayon.....	5, 059	15, 064	106	5, 518	22, 056	264
Rayon-and-cotton.....	346	895	-----	75	314	-----
Cotton.....	232	435	-----	178	920	-----
Other knitted fabrics.....	185	1, 085	-----	80	1, 013	24
Children's underwear, total.....	2, 192	5, 005	(¹)	1, 668	4, 037	98
Cotton.....	1, 288	2, 630	(¹)	(¹)	(¹)	(¹)
Other.....	903	2, 375	-----	(¹)	(¹)	(¹)
Infants' underwear and nightwear.....	1, 279	1, 968	-----	1, 265	2, 185	86
Pajamas and nightgowns (including lounging and beach):	<i>Thou-</i>			<i>Thou-</i>		
Rayon.....	<i>sands</i> 2, 923	2, 651	-----	(¹)	(¹)	(¹)
Rayon-and-cotton.....	18	61	-----	(¹)	(¹)	(¹)
Silk.....	1, 140	4, 240	-----	(¹)	(¹)	(¹)
Cotton (except flannelette).....	12, 359	8, 190	269	(¹)	(¹)	(¹)
Flannelette.....	7, 643	5, 079	-----	(¹)	(¹)	(¹)
Other women's, misses', juniors', and children's clothing:						
Washable service apparel (nurses' and maids' uniforms).....	4, 188	4, 747	(¹)	4, 490	7, 011	412
Kimonos and bath robes.....	3, 770	7, 322	81	4, 708	14, 444	297
Rubberized raincoats.....	1, 600	3, 685	218	1, 938	4, 412	119
Aprons.....	<i>Dozens</i> 1, 399	5, 235	89	<i>Dozens</i> 1, 503	5, 831	87
Smocks.....	154	1, 189	20	217	2, 315	64
Hoovers.....	360	1, 355	(¹)	253	1, 946	36
Neckwear and scarfs (except knitted).....	2, 259	9, 621	280	1, 612	11, 436	267
Other clothing for women, misses, juniors, and children.....	-----	17, 097	226	-----	41, 734	1, 255

¹ See sec. 25, p. 13.² Reported on abbreviated schedule. (See sec. 5c, p. 4.) These amounts represent 1 percent of the total value of products of the industry and 24.9 percent of the total receipts for contract work, as reported on both standard and abbreviated schedules, but for individual products the corresponding percentages vary. The figures for 1933, and particularly those for contract work, are not, therefore, strictly comparable with the corresponding figures for 1931.³ Adjusted for comparison with 1933.⁴ No comparable data.⁵ Withheld to avoid disclosing approximations of data for individual establishments; included in figure for "Other clothing for women, misses, juniors, and children."⁶ Includes a small amount received for contract work on children's cotton underwear, washable service apparel, and hoovers. See footnote 5.

TABLE 3.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
ALL FACTORIES								
United States.....	166,537	160,495	176,324	151,046	189,242	162,506	185,148	162,192
<i>States</i>								
Arkansas.....	421	577	219	213	(²)	(²)	(²)	(²)
California.....	6,282	6,854	8,049	5,814	8,102	6,593	7,553	6,122
Connecticut.....	4,249	4,871	5,220	4,203	4,077	3,891	4,301	3,750
Florida.....	105	91	53	95	114	116	80	88
Georgia.....	814	929	603	455	825	765	791	848
Illinois.....	11,851	12,977	12,460	11,082	13,373	12,780	12,944	11,080
Indiana.....	1,604	1,981	1,906	1,697	1,749	1,729	1,502	1,589
Iowa.....	6	11	9	10	74	83	88	62
Kansas.....	110	129	121	94	(²)	(²)	(²)	(²)
Kentucky.....	125	151	58	104	148	135	155	140
Louisiana.....	98	195	129	85	267	329	307	337
Maryland.....	2,294	2,733	2,788	2,045	3,197	2,773	3,092	2,470
Massachusetts.....	5,894	6,508	7,057	5,471	8,115	7,782	8,155	7,268
Michigan.....	2,418	2,716	2,578	2,571	1,156	1,250	1,151	835
Minnesota.....	1,212	1,441	1,395	954	1,187	1,291	1,105	972
Missouri.....	5,758	6,444	4,337	4,412	6,336	6,589	6,059	5,632
New Jersey.....	10,276	10,094	10,928	9,135	10,634	9,386	10,233	9,952
New York.....	77,526	73,327	91,969	81,942	100,151	78,482	99,602	86,017
North Carolina.....	249	291	286	254	40	66	91	91
Ohio.....	3,932	4,672	4,494	3,143	5,349	4,957	5,082	4,064
Oregon.....	370	361	428	322	440	327	437	231
Pennsylvania.....	13,749	14,648	14,416	11,359	15,098	14,221	14,386	13,757
Rhode Island.....	365	376	366	348	118	54	80	79
Tennessee.....	231	407	270	166	612	656	560	420
Texas.....	2,646	2,739	1,648	1,534	2,365	2,578	2,134	1,673
Vermont.....	307	336	259	270	337	332	349	363
Virginia.....	113	268	157	151	174	156	167	193
Washington.....	685	649	693	392	1,439	1,401	1,215	757
West Virginia.....	1,009	1,163	1,142	1,022	1,128	970	883	1,160
Wisconsin.....	1,027	1,695	1,510	1,033	1,128	1,196	1,231	1,066
REGULAR FACTORIES								
United States.....	115,041	120,421	125,193	110,131	133,421	118,590	129,449	115,877
<i>States</i>								
Arkansas.....	421	577	219	213	(²)	(²)	(²)	(²)
California.....	6,113	6,640	7,813	5,614	7,850	6,381	7,353	5,962
Connecticut.....	2,326	2,554	2,706	2,126	1,477	1,519	1,526	1,440
Florida.....	105	91	53	95	114	116	80	88
Georgia.....	814	929	603	455	(²)	(²)	(²)	(²)
Illinois.....	11,137	12,101	11,446	10,227	12,400	11,706	11,950	10,243
Indiana.....	1,389	1,876	1,746	1,697	1,749	1,729	1,502	1,589
Iowa.....	6	11	9	10	74	83	88	62
Kansas.....	110	129	121	94	(²)	(²)	(²)	(²)
Louisiana.....	98	195	129	85	267	329	307	337
Maryland.....	1,725	2,014	1,935	1,656	2,589	2,253	2,526	1,926
Massachusetts.....	4,858	5,539	5,938	4,801	6,254	5,898	6,246	5,428
Michigan.....	2,418	2,716	2,578	2,571	(²)	(²)	(²)	(²)
Minnesota.....	1,212	1,441	1,395	954	1,187	1,291	1,105	972
Missouri.....	5,662	6,350	4,262	4,412	6,033	6,252	5,777	5,413
New Jersey.....	4,295	4,166	4,470	3,675	2,642	2,230	2,690	2,547
New York.....	50,858	49,074	57,919	53,531	64,539	53,386	63,741	53,008
North Carolina.....	249	291	286	254	(²)	(²)	(²)	(²)
Ohio.....	3,701	4,506	4,224	3,005	4,745	4,497	4,419	3,589
Oregon.....	370	361	428	322	440	327	437	231
Pennsylvania.....	10,320	10,700	10,580	9,010	10,753	10,108	10,111	9,818
Rhode Island.....	351	355	346	341	(²)	(²)	(²)	(²)
Tennessee.....	231	407	270	166	612	656	560	420
Texas.....	2,562	2,660	1,583	1,497	(²)	(²)	(²)	(²)
Virginia.....	113	268	157	151	174	156	167	193
Washington.....	685	649	693	392	1,439	1,401	1,215	757
West Virginia.....	1,009	1,163	1,142	1,022	1,128	970	883	1,160
Wisconsin.....	1,027	1,695	1,288	942	1,128	1,196	1,231	1,066

For footnotes, see end of table.

TABLE 3.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931—Continued

[See note at head of table]

	1933 ¹				1931			
	March	June	Sep- tember	Decem- ber	March	June	Sep- tember	Decem- ber
CONTRACT SHOPS								
United States.....	41,496	40,074	51,131	40,915	55,821	43,916	55,699	46,315
<i>States</i>								
California.....	169	214	236	200	252	212	200	160
Connecticut.....	1,923	2,317	2,514	2,077	2,600	2,372	2,775	2,310
Illinois.....	714	876	1,014	855	973	1,074	994	837
Maryland.....	569	719	853	389	608	520	566	544
Massachusetts.....	1,036	969	1,119	670	1,861	1,884	1,909	1,840
Missouri.....	96	94	75	-----	303	337	282	219
New Jersey.....	5,981	5,928	6,458	5,460	7,992	7,156	7,537	7,405
New York.....	26,668	24,253	34,050	28,411	35,612	25,096	35,861	28,009
Ohio.....	231	166	270	138	604	460	663	465
Pennsylvania.....	3,429	3,948	3,836	2,349	4,345	4,113	4,275	3,939

¹ See sec. 5, p. 4, and sec. 13, p. 8. The establishments canvassed with the standard schedule reported wage earners by months, as follows:

All factories.—Establishments reporting on standard schedule, 4,464:

January.....	130,604	May.....	151,755	September.....	160,334
February.....	144,260	June.....	147,797	October.....	159,324
March.....	143,619	July.....	133,851	November.....	146,828
April.....	152,402	August.....	146,109	December.....	138,428

Regular factories.—Establishments reporting on standard schedule, 3,304:

January.....	103,190	May.....	119,618	September.....	122,388
February.....	113,823	June.....	117,883	October.....	122,315
March.....	112,834	July.....	107,669	November.....	113,427
April.....	119,487	August.....	113,624	December.....	107,802

Contract shops.—Establishments reporting on standard schedule, 1,160:

January.....	27,414	May.....	32,137	September.....	37,946
February.....	30,437	June.....	29,914	October.....	37,009
March.....	30,785	July.....	26,182	November.....	33,401
April.....	32,915	August.....	32,485	December.....	30,626

² Withheld to avoid disclosing data for individual establishments.

**COLLARS, MEN'S; CORSETS AND ALLIED GARMENTS;
FURNISHING GOODS, MEN'S, NOT ELSEWHERE CLASSI-
FIED; GLOVES AND MITTENS, CLOTH OR CLOTH AND
LEATHER COMBINED, MADE FROM PURCHASED FABRICS;
HANDKERCHIEFS; HATS, FUR-FELT; MILLINERY; SHIRTS
(EXCEPT WORK SHIRTS) AND NIGHTWEAR, MEN'S**

[Preliminary reports for these industries were issued on Sept. 11, 1934, and subsequent dates]

Description of the industries.—The "Collars, men's" industry embraces establishments engaged primarily in the manufacture of collars for men.

The principal products of the "Corsets and allied garments" industry are corsets, brassières, bandeaux, combinations, girdles, corset stays, etc.

The establishments assigned to the "Furnishing goods, men's, not elsewhere classified" industry are engaged primarily in the manufacture, from purchased fabrics, of men's neckwear, belts other than leather, bath robes, lounging garments, underwear, etc. Sleeping garments, formerly treated as products of this industry, are now classified in the shirts and nightwear industry. The men's furnishing goods industry does not include the manufacture of men's shirts, collars, and gloves (each of these lines of products being covered by a separate industry classification), nor the manufacture of neckwear, underwear, etc., by knitting mills.

The "Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics" industry embraces establishments whose principal products are men's and women's cloth and cloth-and-leather gloves and mittens made from purchased fabrics.

The establishments classified in the "Handkerchiefs" industry are engaged primarily in the manufacture of men's, women's, and children's handkerchiefs.

The establishments assigned to the "Hats, fur-felt" industry manufacture, as their principal products, stiff and soft hats (chiefly for men's wear) and hat bodies from hatters' fur. The principal material used is the fur of the hare. Some establishments perform all the various processes, beginning with the first treatment of the raw fur, while others purchase the cut fur and still others buy the hat bodies in the rough and finish and trim them. (Establishments engaged primarily in cutting hatters' fur are classified in the "Hat and cap materials" industry.) The total cost of materials, fuel, etc., and the total value of products for the fur-felt hat industry include duplication to the extent to which the products of establishments manufacturing hat bodies are used as materials by those making finished hats.

The "Millinery" industry embraces establishments engaged primarily in the manufacture, for sale to the trade, of women's and children's trimmed hats, hat frames, millinery braids, millinery trimmings, and hat linings, and of infants' headwear. Many of the trimmed hats are made from wool-felt and fur-felt bodies purchased

in the rough. Knit headwear is not treated as a product of this industry, but is classified in the "Knit goods" industry. Custom millinery shops are not canvassed.

The establishments classified in the "Shirts (except work shirts) and nightwear, men's" industry are those whose leading products are men's, boys', and juniors' shirts (not including work shirts) and nightwear, and boys' blouses. Some of these establishments perform contract work on materials furnished and owned by other manufacturers. Such establishments report receipts for work done in lieu of value of products, and for this reason the total value of products shown for the shirts and nightwear industry includes some duplication. Work shirts (including flannel shirts), which were treated as products of the shirt industry in former censuses, are now assigned to the "Clothing, work (including work shirts), men's" industry; and men's and boys' nightwear, formerly classified in the men's furnishing goods industry, are now assigned to the shirts and nightwear industry. As a result of these changes, no comparable statistics for 1931 and earlier years can be given.

Contract work.—Contract work is more important in the three industries covered by Table 1-B than in the five industries covered by Table 1-A. In general, the "Cost of contract work" item is not presented for those industries in which the United States total for this item is equal to less than 2 percent of the combined cost of materials, fuel, and purchased electric energy. The reason for this practice is found in the fact that misinterpretation or disregard of the "Cost of contract work" inquiry by manufacturers occurs most frequently in those industries in which the amounts paid for contract work are relatively small.

Extent of coverage.—In most of these industries the 1933 coverage of the establishments that had reported for 1931 was nearly complete. In the "Collars, men's" industry, the "Furnishing goods, men's, not elsewhere classified" industry, the "Gloves and mittens, cloth and cloth and leather combined, made from purchased fabrics" industry, and the "Handkerchiefs" industry, the establishments that failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933 accounted for less than one-half of 1 percent of the total number of wage earners and of the total value of products reported for the respective industries for 1931. The corresponding percentages for the "Hats, fur-felt" industry were somewhat less than 1, and for the "Shirts (except work shirts) and nightwear, men's" industry, somewhat more than 1; and in the "Corsets and allied garments" industry, not quite 1½ percent of the wage earners and somewhat less than 2½ percent of the value of products for 1931 had been reported for establishments that were not covered by the 1933 canvass. In the "Millinery" industry, however, as the result of a variety of causes beyond the Bureau's control, including the numerous industrial changes in progress during the period, the 1933 coverage was incomplete to a greater extent than in the cases of the other industries. Of the 1,134 establishments which had reported in this industry for 1931, 152 failed to supply any information in regard to their status or activities in 1933, and these establishments accounted for nearly 6 percent of the wage earners and approximately 6½ percent of the value of products reported for the industry for 1931.

TABLE 1-A.—COLLARS, CORSETS, MEN'S FURNISHING GOODS, CLOTH GLOVES AND MITTENS, AND FUR-FELT HATS INDUSTRIES—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

(See "Contract work," p. 201)

	Number of establishments	Number of salaried employ-ees ^{1, 2}	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manu-facture ⁴
Thousands of dollars. (See sec. 25, p. 13)								
COLLARS, MEN'S								
<i>United States</i>								
1933.....	4 11	102	1, 213	117	793	1, 602	5 3, 236	1, 635
1931.....	16	(⁵)	2, 048	(⁵)	1, 419	2, 783	6, 684	3, 897
1929.....	15	233	2, 952	341	2, 263	3, 630	8, 740	5, 110
1927.....	24	318	3, 270	652	2, 967	5, 867	13, 264	7, 393
CORSETS AND ALLIED GARMENTS								
<i>United States</i>								
1933.....	179	1, 765	14, 017	2, 750	9, 383	29, 035	58, 092	29, 058
1931.....	204	(⁶)	13, 977	(⁶)	11, 496	31, 694	71, 923	40, 229
1929.....	213	2, 195	13, 664	6, 233	12, 446	36, 035	76, 802	40, 767
1927.....	222	2, 330	13, 778	5, 370	12, 402	35, 394	77, 218	41, 324
<i>States⁷</i>								
California:								
1933.....	6	17	85	26	70	160	336	177
Connecticut:								
1933.....	18	421	2, 844	633	1, 775	5, 116	11, 126	6, 010
1931.....	16	(⁶)	2, 813	(⁶)	1, 987	5, 714	13, 168	7, 454
Illinois:								
1933.....	14	174	1, 118	287	894	2, 458	5, 142	2, 684
1931.....	17	(⁶)	1, 360	(⁶)	1, 212	3, 175	7, 680	4, 506
Massachusetts:								
1933.....	11	112	675	157	423	1, 319	2, 466	1, 147
1931.....	10	(⁶)	721	(⁶)	539	1, 500	3, 050	1, 550
Michigan:								
1933.....	9	107	1, 023	165	591	1, 018	4, 051	2, 433
1931.....	10	(⁶)	1, 196	(⁶)	848	2, 618	5, 172	3, 154
New Jersey:								
1933.....	14	187	1, 510	275	981	2, 549	6, 064	3, 515
1931.....	14	(⁶)	1, 652	(⁶)	1, 441	2, 576	6, 249	3, 673
New York:								
1933.....	93	594	5, 401	999	4, 016	13, 546	23, 412	9, 866
1931.....	120	(⁶)	5, 036	(⁶)	4, 779	14, 896	30, 805	15, 909
Pennsylvania:								
1933.....	8	136	694	187	347	955	2, 587	1, 631
Other States: ⁹								
1933.....	6	17	662	17	292	1, 315	2, 909	1, 594
1931.....	17	(⁶)	1, 199	(⁶)	691	1, 815	5, 798	3, 983
FURNISHING GOODS, MEN'S, NOT ELSEWHERE CLASSIFIED								
<i>United States, 1933¹⁰</i>								
363	1, 227	16, 676	1, 745	9, 521	31, 423	55, 659	24, 236	
<i>States⁷</i>								
Alabama.....	4	22	595	23	212	434	783	349
California.....	13	60	431	89	341	989	1, 738	750
Connecticut.....	7	33	876	108	577	2, 022	3, 286	1, 263
Illinois.....	23	65	1, 067	92	482	1, 508	2, 725	1, 216
Indiana.....	5	16	1, 139	18	470	1, 133	2, 350	1, 217
Maryland.....	18	108	1, 854	125	852	1, 826	3, 545	1, 719
Massachusetts.....	31	112	1, 263	161	792	2, 500	4, 652	2, 152
Michigan.....	3	6	61	4	33	80	181	101
Missouri.....	17	79	1, 072	100	520	1, 725	2, 970	1, 245
New Jersey.....	6	13	236	16	169	491	801	310
New York.....	170	458	3, 462	729	2, 371	12, 138	21, 168	9, 030
Ohio.....	9	32	489	39	232	859	1, 538	679
Pennsylvania.....	31	88	2, 815	145	1, 468	3, 821	6, 855	3, 034
Texas.....	4	9	87	8	45	138	200	62
Other States ¹¹	22	76	1, 228	87	459	1, 760	2, 868	1, 108

For footnotes, see end of table.

TABLE 1-A.—COLLARS, CORSETS, MEN'S FURNISHING GOODS, CLOTH GLOVES AND MITTENS, AND FUR-FELT HATS INDUSTRIES—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See "Contract work," p. 201]

	Number of establishments	Number of salaried employ-ees ^{1, 2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of prod-ucts	Value added by manufac-ture ³
GLOVES AND MITTENS, CLOTH, OR CLOTH AND LEATHER COMBINED, MADE FROM PURCHASED FABRICS								
<i>United States</i>								
1933.....	91	289	8,586	389	3,547	8,743	16,012	7,270
1931.....	106	(⁶)	7,101	(⁶)	3,319	8,912	14,539	5,627
1929.....	125	582	9,279	1,013	5,914	19,289	29,883	10,594
1927.....	131	456	10,296	956	6,670	17,392	30,202	12,310
<i>States⁷</i>								
<i>Indiana:</i>								
1933.....	15	63	1,779	112	757	1,781	3,485	1,753
1931.....	18	(⁶)	1,713	(⁶)	757	2,346	3,654	1,309
<i>Iowa:</i>								
1933.....	6	26	427	30	165	422	871	448
1931.....	7	(⁶)	333	(⁶)	184	505	827	322
<i>Michigan:</i>								
1933.....	4	17	171	14	75	175	299	125
1931.....	5	(⁶)	139	(⁶)	87	154	270	116
<i>Missouri:</i>								
1933.....	5	15	907	28	406	992	1,777	785
1931.....	5	(⁶)	638	(⁶)	299	752	1,265	513
<i>New York:</i>								
1933.....	11	30	473	27	217	340	771	431
1931.....	15	(⁶)	439	(⁶)	265	463	972	509
<i>Ohio:</i>								
1933.....	12	31	1,614	38	674	1,726	3,115	1,390
1931.....	17	(⁶)	1,354	(⁶)	598	1,856	2,711	855
<i>Pennsylvania:</i>								
1933.....	7	16	184	23	81	248	399	151
1931.....	7	(⁶)	196	(⁶)	87	242	443	201
<i>Other States:¹²</i>								
1933.....	31	91	3,031	117	1,174	3,108	5,295	2,187
1931.....	32	(⁶)	2,289	(⁶)	1,043	2,594	4,396	1,802
HATS, FUR-FELT								
<i>United States</i>								
1933.....	117	833	12,540	1,509	11,935	¹³ 19,138	¹³ 40,600	21,462
1931.....	138	(⁶)	14,084	(⁶)	16,538	¹³ 29,509	¹³ 59,616	30,107
1929.....	159	1,661	16,539	5,678	22,503	¹³ 55,298	¹³ 102,004	46,706
1927.....	139	1,532	15,896	4,568	22,855	¹³ 51,053	¹³ 99,185	48,132
<i>States⁷</i>								
<i>California:</i>								
1933.....	7	16	87	21	76	181	325	143
1931.....	5	(⁶)	43	(⁶)	64	194	334	140
<i>Connecticut:</i>								
1933.....	26	247	5,565	421	5,732	7,719	17,577	9,858
1931.....	36	(⁶)	5,649	(⁶)	7,521	11,559	25,769	14,209
<i>Massachusetts:</i>								
1933.....	5	18	275	21	164	588	886	293
<i>Missouri:</i>								
1933.....	5	63	302	102	197	967	1,630	663
1931.....	4	(⁶)	265	(⁶)	211	728	1,073	344
<i>New Jersey:</i>								
1933.....	12	36	1,300	66	1,035	2,124	3,686	1,562
1931.....	16	(⁶)	1,437	(⁶)	1,865	3,482	6,455	2,973

For footnotes, see end of table.

TABLE 1-A.—COLLARS, CORSETS, MEN'S FURNISHING GOODS, CLOTH GLOVES AND MITTENS, AND FUR-FELT HATS INDUSTRIES—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See "Contract work," p. 201]

	Number of establishments	Number of salaried employ-ees ^{1,2}	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
<i>Thousands of dollars. (See sec. 25, p. 13)</i>								
HATS, FUR-FELT—continued								
<i>States⁷—Continued</i>								
New York:								
1933.....	38	95	1,458	157	1,375	3,878	6,605	2,727
1931.....	37	(⁶)	2,128	(⁶)	2,660	6,609	11,867	5,268
Pennsylvania:								
1933.....	10	296	3,153	643	3,075	2,651	8,209	5,568
1931.....	16	(⁶)	3,857	(⁶)	3,618	4,750	10,405	5,655
Other States: ¹⁴								
1933.....	14	57	399	70	279	1,030	1,684	653
1931.....	24	(⁶)	705	(⁶)	598	2,187	3,714	1,527

¹ Not including proprietors and firm members, as follows: Collars, men's—1933, 6; 1931, no data; 1929, 7; 1927, 18. Corsets and allied garments—1933, 79; 1931, no data; 1929, 99; 1927, 131. Furnishing goods, men's, etc.—1933, 236. Gloves and mittens, cloth, etc.—1933, 40; 1931, no data; 1929, 63; 1927, 72. Hats, fur-felt—1933, 42; 1931, no data; 1929, 72; 1927, 103.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ Mass., 1 establishment; N. Y., 6; Ohio, 1; Pa., 3.

⁵ Includes \$323,158, value of miscellaneous products normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of men's collars; does not include \$178,642, value of men's collars made as secondary products by establishments classified in other industries.

⁶ No data.

⁷ See sec. 26, p. 13.

⁸ Figures for 1931 withheld to avoid disclosing approximations of data for individual establishments; included in items for "Other States."

⁹ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Calif. (1931), 3; Ga., 2, 2; Ind., 3, 4; Mo., 1, 1; Ohio, 0, 1; Pa. (1931), 6.

¹⁰ No comparable data available for earlier years.

¹¹ States included and numbers of establishments reporting are: Colo., 1; Del., 1; Ga., 2; Ky., 2; La., 1; Minn., 2; Nebr., 2; N. C., 1; Oreg., 2; S. C., 2; Tenn., 1; Va., 1; Wash., 2; Wis., 2.

¹² States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Calif., 2, 1; Conn., 1, 1; Ga., 1, 0; Ill., 7, 9; Kans., 1, 1; Ky., 2, 2; Maine, 1, 1; Minn., 4, 3; Nebr., 1, 1; N. H., 1, 1; N. J., 1, 1; N. C., 2, 3; Oreg., 1, 1; S. C., 1, 1; Tenn., 1, 1; Va., 1, 1; Wash., 3, 3; Wis., 0, 1.

¹³ See last sentence, sixth paragraph, p. 200.

¹⁴ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ill., 2, 3; Ind., 1, 1; Iowa, 0, 1; Ky., 1, 1; La., 1, 1; Md., 1, 1; Mass. (1931), 5; Minn., 1, 2; Nebr., 0, 1; Ohio, 0, 2; R. I., 1, 0; Tenn., 1, 1; Tex., 3, 2; Va., 1, 1; Wash., 1, 1; W. Va., 0, 1.

TABLE 1-B.—HANDKERCHIEFS, MILLINERY, AND SHIRTS AND NIGHTWEAR INDUSTRIES—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13, and "Contract work," p. 201]

	Number of establishments	Number of salaried employees ^{1,2}	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of contract work	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
Thousands of dollars. (See sec. 25, p. 13)									
HANDKERCHIEFS									
<i>United States</i>									
1933.....	74	258	4,701	392	2,442	1,419	8,060	14,924	6,864
1931.....	88	(⁵)	4,761	(⁵)	3,221	1,685	10,255	18,798	8,543
1929.....	105	451	6,014	1,172	4,636	1,947	16,343	29,554	13,211
1927.....	115	584	6,659	1,340	5,264	1,767	18,205	31,588	13,383
<i>States</i>									
California:									
1933 ⁶	4	7	15	6	12	21	37	106	69
New Jersey:									
1933.....	24	80	2,490	125	1,332	375	3,103	6,253	3,150
1931.....	30	(⁵)	2,449	(⁵)	1,618	528	4,019	7,656	3,637
New York:									
1933.....	32	113	732	170	474	943	2,297	4,481	2,184
1931.....	37	(⁵)	841	(⁵)	724	1,085	2,772	6,014	3,242
Other States: ⁷									
1933.....	14	58	1,464	91	625	79	2,623	4,083	1,461
1931.....	21	(⁵)	1,471	(⁵)	879	73	3,464	5,128	1,664
MILLINERY									
<i>United States</i>									
1933.....	834	1,863	22,574	2,812	20,313	627	84,646	77,347	42,701
1931.....	1,134	(⁵)	26,612	(⁵)	32,565	1,364	71,795	144,575	72,780
1929.....	1,293	5,167	32,206	15,898	42,715	(⁵)	98,090	195,093	97,604
1927.....	1,148	5,345	33,311	14,021	46,788	(⁵)	103,490	209,495	106,005
<i>States</i>									
California:									
1933.....	53	132	1,244	178	1,105	7	1,490	3,503	2,013
1931.....	63	(⁵)	1,587	(⁵)	1,662	6	3,138	6,671	3,533
Connecticut:									
1933 ⁶	5	8	78	7	72	-----	133	290	167
Georgia:									
1933.....	5	52	542	95	311	-----	745	1,552	807
1931.....	7	(⁵)	572	(⁵)	357	-----	993	1,850	857
Illinois:									
1933.....	81	201	3,517	327	2,603	(⁵)	3,843	8,976	5,132
1931.....	91	(⁵)	3,400	(⁵)	3,363	12	7,062	14,635	7,573
Maryland:									
1933.....	3	11	140	23	69	-----	208	441	233
1931.....	4	(⁵)	104	(⁵)	76	-----	318	493	175
Massachusetts:									
1933.....	22	39	980	59	720	(⁵)	1,276	2,575	1,290
1931.....	26	(⁵)	969	(⁵)	893	(⁵)	1,899	3,042	1,744
Minnesota:									
1933.....	4	2	64	(⁵)	37	-----	57	136	79
1931.....	4	(⁵)	86	(⁵)	72	-----	105	246	141
Missouri:									
1933.....	33	109	1,486	136	925	-----	1,914	3,824	1,910
1931.....	41	(⁵)	1,765	(⁵)	1,694	-----	4,375	8,700	4,325
New Jersey:									
1933.....	21	56	723	105	591	(⁵)	1,370	2,467	1,088
1931.....	15	(⁵)	422	(⁵)	398	(⁵)	1,200	2,310	1,110
New York:									
1933.....	541	1,033	11,152	1,560	12,241	609	20,435	47,009	26,574
1931.....	784	(⁵)	14,107	(⁵)	20,808	1,338	46,023	92,740	46,716
Ohio:									
1933.....	11	25	439	39	267	-----	423	955	518
1931.....	12	(⁵)	420	(⁵)	374	(⁵)	819	1,639	821
Pennsylvania:									
1933.....	16	63	557	87	370	(⁵)	820	1,614	794
1931.....	32	(⁵)	1,182	(⁵)	1,200	(⁵)	2,192	4,744	2,552
Texas:									
1933.....	13	38	468	50	260	-----	579	1,146	567
1931.....	14	(⁵)	482	(⁵)	307	-----	877	1,668	791

For footnotes, see end of table

TABLE 1-B.—HANDKERCHIEFS, MILLINERY, AND SHIRTS AND NIGHTWEAR INDUSTRIES—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13, and "Contract work," p. 201]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of contract work	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
Thousands of dollars. (See sec. 25, p. 13)									
MILLINERY—continued									
States—Continued									
Washington:									
1933	5	12	93	15	61	-----	80	225	145
1931	8	(⁵)	175	(⁵)	156	-----	200	560	359
Wisconsin:									
1933	3	39	613	73	405	-----	680	1,405	725
1931	6	(⁵)	735	(⁵)	762	-----	1,522	2,633	1,111
Other States: ¹⁰									
1933	18	43	480	58	285	11	570	1,230	661
1931	27	(⁵)	606	(⁵)	443	9	1,072	2,043	971
SHIRTS (EXCEPT WORK-SHIRTS) AND NIGHTWEAR, MEN'S									
United States, 1933 ¹¹	585	2,397	53,816	3,174	26,113	8,772	59,657	121,917	60,060
States									
California	14	41	481	52	277	3	472	998	526
Connecticut	22	75	3,143	103	1,674	142	2,603	5,474	2,871
Delaware	7	15	598	26	234	85	536	1,037	501
Illinois	14	95	1,440	96	646	-----	835	1,793	958
Indiana	7	33	2,030	51	994	18	1,991	4,144	2,153
Kansas	3	14	37	18	19	-----	43	100	57
Maryland	34	140	2,725	152	1,219	524	2,914	6,342	3,429
Massachusetts	13	49	1,162	71	679	12	1,470	2,602	1,132
Michigan	5	13	197	13	95	-----	135	265	129
Missouri	12	96	2,718	121	1,279	1	2,344	4,279	1,935
New Jersey	35	156	4,208	247	2,283	383	4,197	8,955	4,758
New York	187	660	9,182	908	5,077	6,698	18,896	37,479	18,583
North Carolina	5	30	536	33	157	21	719	1,047	328
Ohio	12	98	2,021	157	1,126	-----	1,965	4,229	2,265
Pennsylvania	169	720	19,254	927	8,632	905	16,993	34,066	17,067
Tennessee	4	7	367	15	171	-----	470	721	252
Other States ¹²	42	155	3,712	182	1,552	8	3,070	6,185	3,116

¹ Not including proprietors and firm members, as follows: Handkerchiefs—1933, 35; 1931, no data; 1929, 60; 1927, 71. Millinery—1933, 351; 1931, no data; 1929, 732; 1927, 843. Shirts and nightwear—1933, 297.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ Includes \$169,077, value of miscellaneous products normally belonging to other industries, made as secondary products by establishments engaged primarily in the manufacture of handkerchiefs; does not include \$349,604, value of handkerchiefs made as secondary products by establishments classified in other industries.

⁵ No data.

⁶ Figures for 1931 withheld to avoid disclosing approximations of data for individual establishments; included in items for "Other States."

⁷ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Calif. (1931), 2; Conn., 1; Ga., 1; Ill., 1; Mass., 0; Mo., 0; N. C., 1; Okla., 0; Pa., 5; R. I., 2; S. C., 1; Tenn., 0; Tex., 1; Va., 0; Wash., 1; W. Va., 0.

⁸ Withheld to avoid disclosing approximations of data for individual establishments; included in figure for "Other States."

⁹ Withheld to avoid disclosing compensation of individual employees; included in figure for "Other States."

¹⁰ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 2; Colo., 2; Conn. (1931), 3; Ind., 1; Iowa, 1; La., 1; Mich., 2; Okla., 2; Oreg., 2; R. I., 0; Utah, 2; Va., 3.

¹¹ No comparable data available for earlier years.

¹² See second paragraph of text, p. 201.

¹³ States included and numbers of establishments reporting are: Ala., 1; Colo., 1; Ga., 4; Iowa, 4; Ky., 2; La., 1; Maine, 3; Minn., 3; Miss., 1; Nebr., 3; Okla., 2; R. I., 1; S. C., 3; Tex., 4; Vt., 2; Va., 4; Wash., 2; W. Va., 1.

TABLE 2.—CORSETS AND ALLIED GARMENTS—PRODUCTION, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

	QUANTITY IN THOU- SANDS ¹			VALUE IN THOUSANDS OF DOLLARS ¹		
	1933	1931	1929	1933	1931	1929
1. "Corsets and allied garments" industry, all products, total value.....				58, 092	71, 923	76, 802
2. Corsets and allied garments.....				55, 943	69, 231	73, 351
3. Other products (not normally belonging to the industry).....				2, 093	1, 903	3, 323
4. Receipts for contract work.....				57	789	124
5. Corsets and allied garments made as secondary products in other industries, value.....				1, 070	1, 384	852
Corsets and allied garments, aggregate value (2 and 5).....				57, 012	70, 614	74, 202
Brassières and bandeaux-brassières.....	36, 293	32, 700	24, 681	12, 126	14, 865	18, 447
Corsets, girdles, and garter-belts.....	23, 736	25, 003	18, 057	29, 639	35, 032	32, 843
Combinations or one-piece garments.....	6, 464	7, 448	10, 627	13, 956	19, 209	21, 648
Corset accessories (clasps, stays, etc.).....				1, 291	1, 418	1, 264

¹ See sec. 25, p. 13.

TABLE 3.—MEN'S FURNISHING GOODS—PRODUCTION, BY KIND, NUMBER, AND VALUE, FOR THE UNITED STATES: 1933 AND 1931

	NUMBER		VALUE	
	1933	1931	1933	1931
1. "Furnishing goods, men's, not elsewhere classified" industry, all products, total value.....			\$55, 659, 145	\$82, 561, 094
2. Men's furnishing goods.....			52, 247, 699	1 76, 907, 104
3. Other products (not normally belonging to the industry).....			2, 348, 068	1 3, 488, 243
4. Receipts for contract work.....			1, 063, 378	1 2, 166, 347
5. Men's furnishing goods made as secondary products in other industries, value.....			4, 885, 482	1 4, 825, 890
Men's furnishing goods, aggregate value (2 and 5).....			57, 133, 181	1 81, 732, 994
Neckwear (other than collars), not made in knitting mills, total value.....	<i>Dozens</i>	<i>Dozens</i>	33, 741, 114	54, 134, 051
Neckties, four-in-hand, bow, and other.....			32, 123, 556	51, 478, 581
Number reported.....	8, 097, 267	11, 505, 012	30, 249, 708	51, 478, 581
Number not reported.....			1, 873, 848	
Scarfs and mufflers.....	183, 721	308, 437	1, 617, 558	2, 655, 470
Underwear, not made in knitting mills, total.....			17, 575, 482	21, 755, 391
Athletic underwear, total.....			16, 586, 934	20, 023, 621
Woven-fabric.....			14, 618, 044	18, 806, 437
Number reported.....	6, 344, 224	6, 112, 894	14, 477, 592	18, 806, 437
Number not reported.....			140, 452	
Knitted-fabric.....	653, 865	434, 909	1, 968, 890	1, 217, 184
Other than athletic.....	218, 278	498, 278	988, 548	1, 731, 770
Bath robes and lounging garments.....	<i>Number</i>	<i>Number</i>	5, 458, 103	5, 729, 197
Number reported.....	1, 680, 813	1, 415, 867	5, 253, 806	5, 729, 197
Number not reported.....			204, 297	
Other men's furnishing goods.....			138, 363	114, 355
Products not reported by kind or number.....			220, 119	

¹ Revised by deducting data for sleeping garments, formerly classified in this industry (now assigned to "Shirts (except work shirts) and nightwear, men's" industry).

TABLE 4.—MEN'S SHIRTS (EXCEPT WORK SHIRTS) AND NIGHTWEAR—PRODUCTION, BY KIND, NUMBER, AND VALUE, FOR THE UNITED STATES: 1933

	Number	Value
1. "Shirts (except work shirts) and nightwear, men's" industry, all products, total value.....		\$119, 716, 978
2. Shirts (except work and flannel), nightwear, neckbands, etc.....		107, 179, 426
3. Other products (not normally belonging to the industry).....		6, 342, 518
4. Receipts for contract work.....		6, 195, 034
5. Shirts (except work and flannel), nightwear, neckbands, etc., made as secondary products in other industries.....		4, 077, 197
Shirts (except work and flannel), nightwear, neckbands, etc., aggregate value (2 and 5).....		111, 256, 623
	<i>Dozens</i>	
Men's and youths' shirts, total.....	9, 714, 533	82, 634, 072
Cotton.....	9, 592, 789	81, 230, 066
Other than cotton.....	121, 744	1, 345, 006
Boys' blouses and shirts.....	2, 217, 662	10, 717, 458
Men's and youths' pajamas and nightshirts, cotton.....	1, 810, 304	12, 067, 296
	<i>Number</i>	
Men's, youths', and boys' sleeping garments, other than cotton.....	696, 826	642, 491
Neckbands, etc., made for sale as such, value.....		1, 058, 083
Shirts, nightwear, etc., not reported separately.....		14, 137, 223

¹ Reported on abbreviated schedule. (See sec. 5c, p. 4.) Includes a small amount representing the value of products not normally belonging to the industry, not reported separately.

TABLE 5.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13.]

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
CORSETS AND ALLIED GARMENTS								
United States.....	13, 892	14, 341	14, 352	13, 192	14, 618	14, 212	13, 888	13, 020
<i>States</i>								
California.....	74	95	101	85	18	15	20	33
Connecticut.....	2, 951	2, 903	2, 992	2, 637	2, 921	2, 819	2, 785	2, 660
Illinois.....	1, 119	1, 200	1, 093	998	1, 443	1, 419	1, 356	1, 144
Indiana.....	583	625	718	478	477	451	458	420
Massachusetts.....	630	719	706	614	764	719	709	686
Michigan.....	1, 010	1, 032	1, 046	1, 016	1, 251	1, 203	1, 208	1, 136
New Jersey.....	1, 471	1, 476	1, 551	1, 504	1, 720	1, 673	1, 575	1, 678
New York.....	5, 301	5, 531	5, 401	5, 158	5, 350	5, 102	5, 030	4, 585
Pennsylvania.....	726	724	706	664	621	772	711	658
FURNISHING GOODS, MEN'S, NOT ELSEWHERE CLASSIFIED								
United States.....	16, 295	17, 617	16, 051	16, 178				
<i>States</i>								
Alabama.....	480	560	583	778				
California.....	343	451	503	471				
Connecticut.....	862	876	1, 098	653				
Illinois.....	1, 045	1, 217	850	1, 210				
Indiana.....	1, 264	1, 189	1, 025	1, 202				
Maryland.....	1, 920	2, 105	1, 497	1, 546	(²)	(²)	(²)	(²)
Massachusetts.....	1, 154	1, 432	1, 425	963				
Michigan.....	56	67	65	42				
Missouri.....	1, 090	1, 106	1, 029	943				
New Jersey.....	195	236	286	277				
New York.....	3, 201	3, 291	3, 579	3, 662				
Ohio.....	418	551	461	502				
Pennsylvania.....	2, 995	3, 037	2, 293	2, 689				
Texas.....	63	104	93	81				

For footnotes, see end of table.

TABLE 5.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931—Continued

[See note at head of table]

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
GLOVES AND MITTENS, CLOTH OR CLOTH AND LEATHER COMBINED, MADE FROM PURCHASED FABRICS								
United States.....	7,191	8,943	10,031	7,936	7,529	7,115	7,266	7,444
<i>States</i>								
Illinois.....	1,093	1,313	1,469	1,144	1,110	1,130	1,193	1,335
Indiana.....	1,563	1,880	1,979	1,858	1,948	1,857	1,724	1,690
Iowa.....	391	415	466	424	324	343	360	356
Michigan.....	148	167	187	176	154	153	127	122
Minnesota.....	202	304	352	218	327	289	284	261
Missouri.....	798	965	1,039	707	668	617	677	719
New York.....	333	505	618	490	446	422	445	460
Ohio.....	1,224	1,747	1,960	1,453	1,564	1,335	1,371	1,391
Pennsylvania.....	168	180	187	202	195	191	196	201
Washington.....	81	82	90	92	88	82	81	55
HATS, FUR-FELT								
United States.....	11,129	11,978	14,525	13,256	14,179	13,476	15,319	13,065
<i>States</i>								
California.....	85	57	96	98	40	42	45	44
Connecticut.....	4,785	5,483	6,603	5,845	5,504	5,521	6,343	5,236
Massachusetts.....	262	263	290	280	179	191	369	261
Missouri.....	246	317	333	347	289	280	266	212
New Jersey.....	1,251	1,312	1,433	1,322	1,456	1,290	1,754	1,259
New York.....	1,355	1,265	1,673	1,614	2,201	1,774	2,235	2,089
Pennsylvania.....	2,813	2,904	3,040	3,348	4,024	3,985	3,806	3,530
Texas.....	74	107	117	90	(^b)	(^b)	(^b)	(^b)
MILLINERY								
United States.....	24,169	22,280	25,199	18,836	32,720	23,254	30,106	21,662
<i>States</i>								
California.....	1,247	1,147	1,636	978	2,342	1,307	1,720	1,188
Connecticut.....	114	132	64	42	86	66	73	28
Georgia.....	687	526	562	430	744	525	578	368
Illinois.....	3,897	3,802	3,183	3,147	3,974	3,216	3,889	2,862
Maryland.....	166	153	174	80	95	95	123	125
Massachusetts.....	1,115	988	1,229	348	1,437	758	1,279	488
Minnesota.....	67	67	88	47	118	66	88	61
Missouri.....	1,946	1,622	1,055	985	2,353	1,426	1,877	1,436
New Jersey.....	718	843	933	490	532	418	480	309
New York.....	11,323	10,449	13,274	10,229	16,167	12,679	16,190	12,119
Ohio.....	481	451	403	290	641	289	585	215
Pennsylvania.....	594	573	591	497	1,529	989	959	1,245
Texas.....	498	379	555	415	633	381	540	338
Virginia.....	160	159	152	123	193	169	218	124
Washington.....	83	77	144	55	256	104	209	93
Wisconsin.....	750	619	688	441	1,063	557	808	409

For footnotes, see end of table.

TABLE 5.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931—Continued

[See note at head of table]

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
SHIRTS (EXCEPT WORK SHIRTS) AND NIGHTWEAR, MEN'S								
United States.....	50,648	54,439	58,939	51,011				
<i>States</i>								
California.....	459	532	537	395				
Connecticut.....	2,856	3,223	3,398	3,154				
Delaware.....	604	596	584	659				
Georgia.....	281	348	516	605				
Illinois.....	1,295	1,603	1,549	1,572				
Indiana.....	1,850	2,025	2,345	1,816				
Iowa.....	304	296	321	303				
Kansas.....	37	40	34	35				
Maine.....	121	122	151	228				
Maryland.....	2,767	2,613	3,040	2,158				
Massachusetts.....	749	1,052	1,481	1,463	(?)	(?)	(?)	(?)
Michigan.....	148	155	241	273				
Minnesota.....	52	52	40	49				
Missouri.....	2,565	2,699	2,918	2,603				
Nebraska.....	10	10	10	10				
New Jersey.....	4,164	4,287	4,586	4,012				
New York.....	8,897	9,257	9,589	8,963				
North Carolina.....	538	548	545	518				
Ohio.....	1,853	1,955	2,181	2,054				
Pennsylvania.....	18,419	20,082	21,012	16,784				
South Carolina.....	685	901	945	906				
Tennessee.....	306	361	428	419				
Texas.....	124	122	124	122				
Virginia.....	445	454	465	475				

¹ See sec. 5, p. 4, and sec. 13, p. 8. The establishments canvassed with the standard schedule reported wage earners, by months, as follows:

Corsets and allied garments.—Number of establishments reporting, 132:

January.....	12,878	May.....	13,709	September.....	13,814
February.....	13,554	June.....	13,819	October.....	14,046
March.....	13,404	July.....	13,759	November.....	13,320
April.....	13,455	August.....	13,734	December.....	12,753

Furnishing goods, men's, not elsewhere classified.—Number of establishments reporting, 270:

January.....	12,839	May.....	15,575	September.....	14,628
February.....	14,557	June.....	16,251	October.....	16,021
March.....	15,137	July.....	16,591	November.....	15,882
April.....	15,526	August.....	16,273	December.....	14,774

Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics.—Number of establishments reporting, 67:

January.....	7,485	May.....	7,866	September.....	9,539
February.....	6,945	June.....	8,535	October.....	8,977
March.....	6,859	July.....	9,402	November.....	7,936
April.....	7,121	August.....	9,822	December.....	7,479

Hats, fur-felt.—Number of establishments reporting, 98:

January.....	10,879	May.....	11,188	September.....	14,248
February.....	11,211	June.....	11,810	October.....	13,686
March.....	10,973	July.....	12,849	November.....	13,045
April.....	11,015	August.....	14,090	December.....	13,043

Millinery.—Number of establishments reporting, 716:

January.....	20,269	May.....	23,329	September.....	23,721
February.....	21,693	June.....	21,119	October.....	22,040
March.....	23,070	July.....	15,774	November.....	18,531
April.....	26,238	August.....	23,106	December.....	17,840

Shirts (except work shirts) and nightwear, men's.—Number of establishments reporting, 426:

January.....	44,747	May.....	47,321	September.....	54,644
February.....	47,322	June.....	50,118	October.....	55,895
March.....	47,181	July.....	52,645	November.....	53,944
April.....	46,884	August.....	51,330	December.....	47,759

² Due to a change in classification, no comparable figures can be given.

³ Withheld to avoid disclosing data for individual establishments.

WOOLEN GOODS AND WORSTED GOODS

[A preliminary report for these industries was issued on Dec. 15, 1934]

Description of the industries.—The manufacture of woollen goods and the manufacture of worsted goods are treated as separate industries, and each establishment engaged primarily in the production of either class of goods is assigned to one industry or the other according to the character of its products of chief value. Woollen goods are made of carded yarns, in which the fibers are to some extent crossed. Worsted goods are made of combed yarns, in which the short fibers have been removed and the long fibers left in a more nearly parallel condition than those in woollen goods.

Detailed statistics of products.—To some extent woollen goods are made by worsted mills and worsted goods by woollen mills as secondary products, and for this reason the detailed statistics of quantities and values of products for the two industries are combined in table 2.

Extent of coverage.—The 1933 coverage of the establishments reporting in these industries for 1931 was nearly complete. Of the 381 such establishments in the "Woollen goods" industry, 12 failed to supply any information in regard to their status (active, idle, etc.), or their activities in 1933, but these establishments accounted for only about 1½ percent of the total number of wage earners and 1 percent of the total value of products reported for the industry for 1931. Of the 240 establishments reporting in the "Worsted goods" industry for 1931, only one failed to supply any information for 1933, and this establishment accounted for less than one-tenth of 1 percent of the total number of wage earners and of the total value of products reported for 1931.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ¹ 2	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
<i>Thousands of dollars.</i> (See sec. 25, p. 13)									
WOOLEN GOODS AND WORSTED GOODS									
<i>United States</i>									
1933.....	571	5,446	127,227	11,017	101,888	7,346	259,503	457,880	198,377
1931.....	621	(⁴)	119,537	(⁴)	117,583	(⁴)	273,607	496,242	217,575
1929.....	724	9,281	146,959	30,137	164,151	(⁴)	502,532	827,006	324,476
1927.....	759	8,393	154,361	27,954	173,822	(⁴)	502,108	817,978	315,870
WOOLEN GOODS									
<i>United States</i>									
1933.....	344	2,180	48,536	4,311	38,721	2,512	79,021	150,197	71,176
1931.....	381	(⁴)	42,878	(⁴)	42,999	2,163	83,050	157,356	74,305
1929.....	460	4,056	58,474	13,815	66,014	(⁴)	165,882	290,839	125,057
1927.....	471	3,570	61,790	12,060	72,156	(⁴)	172,700	301,309	128,009
<i>States</i>									
Connecticut:									
1933.....	27	226	4,813	410	4,239	144	8,223	15,072	6,349
1931.....	28	(⁴)	3,739	(⁴)	3,842	12	7,018	12,784	5,766
Indiana:									
1933.....	6	20	601	35	466	-----	871	1,776	905
1931.....	6	(⁴)	483	(⁴)	373	(⁴)	821	1,637	816
Maine:									
1933.....	37	275	5,736	564	4,271	20	8,925	17,656	8,731
1931.....	36	(⁴)	4,380	(⁴)	4,415	20	7,967	15,895	7,928
Massachusetts:									
1933.....	66	478	11,394	969	9,871	457	18,006	35,207	17,201
1931.....	76	(⁴)	11,022	(⁴)	11,583	342	20,251	38,176	17,924
Michigan:									
1933.....	6	44	871	108	577	(⁴)	1,399	2,750	1,351
1931.....	9	(⁴)	863	(⁴)	736	-----	1,737	3,357	1,620
Minnesota:									
1933.....	7	37	315	62	279	-----	601	1,225	625
1931.....	8	(⁴)	272	(⁴)	278	(⁴)	618	1,270	652
New Hampshire:									
1933.....	22	223	4,075	429	3,519	54	7,564	13,671	6,107
1931.....	26	(⁴)	3,534	(⁴)	3,895	32	6,603	13,599	6,996
New Jersey:									
1933.....	5	37	1,112	103	918	(⁴)	1,556	3,698	2,142
1931.....	8	(⁴)	1,450	(⁴)	1,422	-----	2,718	5,658	2,940
New York:									
1933.....	15	62	1,635	137	1,583	(⁴)	2,378	5,617	2,739
1931.....	16	(⁴)	1,701	(⁴)	1,919	31	3,623	6,888	3,266
North Carolina:									
1933.....	7	45	1,303	68	814	1,316	2,510	5,241	2,731
1931.....	8	(⁴)	1,110	(⁴)	781	1,504	2,904	5,407	2,504
Ohio:									
1933.....	8	22	548	41	377	(⁴)	818	1,490	672
1931.....	7	(⁴)	373	(⁴)	309	(⁴)	682	1,236	554
Oregon:									
1933.....	5	11	601	16	519	-----	1,046	1,833	788
1931.....	8	(⁴)	712	(⁴)	575	-----	1,165	2,255	1,089
Pennsylvania:									
1933.....	55	210	3,922	399	3,303	147	7,874	14,033	6,169
1931.....	61	(⁴)	4,791	(⁴)	5,191	59	12,278	20,970	8,692
Rhode Island:									
1933.....	21	143	2,882	312	1,952	80	4,084	7,373	3,289
1931.....	18	(⁴)	2,278	(⁴)	2,322	62	4,936	8,646	3,710
Tennessee:									
1933.....	7	40	1,811	110	941	-----	2,005	3,686	1,681
1931.....	8	(⁴)	1,341	(⁴)	811	-----	1,681	2,894	1,263

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1, 2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars.</i> (See sec. 25, p. 13)									
WOOLEN GOODS—continued									
<i>States—Continued</i>									
Vermont:									
1933.....	12	109	2,320	200	1,775	30	3,251	6,290	3,089
1931.....	13	(⁴)	1,344	(⁴)	1,513	(⁴)	2,380	4,444	2,064
Virginia:									
1933.....	4	29	634	55	411	-----	896	1,799	902
1931.....	6	(⁴)	608	(⁴)	529	(⁴)	1,037	2,399	1,361
West Virginia:									
1933.....	5	26	759	56	550	(⁴)	1,262	2,573	1,311
1931.....	6	(⁴)	639	(⁴)	630	(⁴)	886	2,140	1,255
Wisconsin:									
1933.....	15	38	732	67	530	(⁴)	978	1,693	715
1931.....	15	(⁴)	439	(⁴)	382	-----	594	1,418	823
Other States: ⁶									
1933.....	14	105	2,474	170	1,777	264	4,275	7,512	3,238
1931.....	18	(⁴)	1,799	(⁴)	1,492	101	3,202	6,284	3,082
WORSTED GOODS									
<i>United States</i>									
1933.....	227	3,266	78,691	6,706	63,167	4,835	180,482	307,683	127,200
1931.....	240	(⁴)	76,659	(⁴)	74,584	8,466	195,617	338,887	143,270
1929.....	264	5,225	88,485	16,322	98,138	(⁴)	336,649	536,067	199,418
1927.....	288	4,823	92,571	15,894	101,666	(⁴)	329,408	516,670	187,262
<i>States</i>									
Connecticut:									
1933.....	10	172	2,026	222	1,848	446	6,878	9,613	2,785
1931.....	10	(⁴)	2,350	(⁴)	2,874	459	7,111	11,662	4,651
Maine:									
1933.....	7	137	2,589	235	2,118	186	3,842	10,898	7,056
1931.....	7	(⁴)	2,521	(⁴)	2,389	133	4,157	8,042	3,885
Massachusetts:									
1933.....	45	1,080	28,414	2,177	23,201	2,081	63,390	113,592	50,202
1931.....	52	(⁴)	26,199	(⁴)	25,854	2,747	66,408	109,526	43,118
New Jersey:									
1933.....	11	210	7,364	538	6,764	503	10,535	23,799	13,264
1931.....	12	(⁴)	6,940	(⁴)	7,570	1,328	13,269	29,454	16,185
New York:									
1933.....	10	188	2,883	273	1,692	46	4,464	7,964	3,501
1931.....	9	(⁴)	2,656	(⁴)	1,968	27	4,649	9,206	4,557
Pennsylvania:									
1933.....	48	526	8,511	1,169	6,850	516	23,513	38,052	14,539
1931.....	53	(⁴)	7,652	(⁴)	7,911	819	24,189	41,727	17,538
Rhode Island:									
1933.....	71	679	19,184	1,564	15,208	869	48,488	75,138	26,650
1931.....	70	(⁴)	20,402	(⁴)	19,713	1,457	59,461	97,386	37,925
Other States: ⁶									
1933.....	25	324	7,720	528	5,486	188	19,373	28,626	9,253
1931.....	27	(⁴)	7,939	(⁴)	6,306	1,496	16,378	31,883	15,510

¹ Not including proprietors and firm members, as follows: Woollen goods—1933, 99; 1931, no data; 1929, 115; 1927, 149. Worsted goods—1933, 54; 1931, no data; 1929, 53; 1927, 62.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ No data.

⁵ Withheld to avoid disclosing approximations of data for individual establishments; included in figure for "Other States."

⁶ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Woollen goods—Calif., 2, 3; Ga., 2, 2; Ill., 1, 2; Iowa, 2, 2; Ky., 0, 1; Md., 3, 3; Mo., 1, 1; N. Mex., 0, 1; Tex., 0, 1; Utah, 2, 1; Wash., 1, 1. Worsted goods—Calif., 1, 1; Del., 1, 1; Ga., 2, 2; Ill., 1, 1; Ky., 1, 2; La., 1, 0; Md., 0, 1; Mich., 1, 1; N. H., 5, 5; N. C., 1, 1; Ohio, 1, 2; Oreg., 1, 2; S. C., 2, 2; Tex., 1, 1; Vt., 0, 1; Va., 3, 2; W. Va., 1, 1; Wis., 2, 2.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1933 AND 1931

	1933	1931
1. "Woolen goods" and "Worsted goods" industries, all products, total value.....	\$457, 879, 992	\$496, 242, 138
2. Woolen goods and worsted goods.....	435, 990, 672	472, 222, 061
3. Other products (not normally belonging to the industries) and receipts for contract work, value.....	21, 889, 420	24, 019, 477
4. Woolen goods and worsted goods made as secondary products in other industries, value.....	8, 831, 601	7, 409, 051
Woolen goods and worsted goods, aggregate value (2 and 4).....	444, 822, 178	479, 631, 712

	QUANTITY ¹				VALUE IN THOU- SANDS OF DOL- LARS ¹	
	1933		1931		1933	1931
	<i>M lb.</i>	<i>M sq. yd.</i>	<i>M lb.</i>	<i>M sq. yd.</i>		
Woolen and worsted goods, aggregate.....					444, 822	479, 632
Woven goods, total.....	270, 247	427, 016	235, 459	390, 154	306, 281	331, 367
Men's-wear fabrics:						
Woolen, total.....	58, 433	77, 397	39, 441	55, 698	55, 813	51, 441
Suits and pantings (except flannels).....	20, 526	33, 569	17, 347	29, 404	19, 076	23, 128
Flannel suits and pantings.....	5, 131	9, 806	2, 831	4, 099	7, 415	4, 260
Shirtings.....	180	351	124	396	185	235
Topcoatings.....	7, 184	9, 350	3, 862	5, 027	8, 387	5, 267
Overcoatings.....	20, 233	16, 415	9, 879	8, 213	14, 094	10, 666
Uniform cloths.....	1, 634	2, 662	1, 900	2, 421	3, 211	3, 353
Cap cloths.....	135	173	542	814	190	691
Other woolen.....	3, 410	5, 070	2, 955	4, 724	3, 326	3, 842
Worsted, total.....	58, 157	105, 331	61, 131	112, 177	101, 785	124, 692
Staple suits and pantings.....	29, 080	53, 425	29, 086	53, 796	48, 119	55, 856
Fancy suits and pantings.....	27, 613	49, 227	28, 282	52, 000	51, 074	62, 049
Tropicals and summer fabrics.....	623	1, 466	405	801	1, 207	784
Uniform cloths.....	543	760	1, 738	2, 452	889	3, 213
Topcoatings.....	133	186			214	
Other worsted, including overcoatings.....	166	278	2, 169	3, 127	287	2, 791
Woolen and worsted made with cotton or manipulated warps, total.....	25, 993	45, 590	22, 535	38, 106	20, 131	18, 752
Suits and pantings.....	16, 097	29, 423	11, 041	20, 156	13, 361	10, 612
Linings and interlinings.....	299	972	1, 809	2, 799	386	1, 076
Shirtings and flannels.....	1, 595	3, 089	3, 146	6, 665	917	1, 726
Overcoatings.....	5, 126	4, 808	5, 264	4, 786	2, 726	3, 440
Cap cloths.....	422	680	494	772	364	518
Other.....	2, 454	6, 618	1, 281	2, 928	2, 387	1, 381
Worsted warp and woolen filling.....	527	967			978	
Other men's-wear fabrics.....	1, 492	2, 682	1, 086	2, 019	948	1, 163
Women's-wear fabrics:						
Woolen, total.....	47, 637	76, 890	40, 864	67, 452	46, 949	48, 672
Dress fabrics and suits.....	14, 257	22, 441	10, 896	19, 173	13, 563	14, 708
Coatings.....	31, 550	51, 369	29, 506	47, 416	31, 093	33, 476
Other.....	1, 830	3, 080	462	864	2, 293	483
Worsted, total.....	13, 375	30, 529	14, 317	37, 213	24, 384	32, 564
Dress fabrics and suits.....	8, 584	21, 282	9, 736	23, 492	15, 975	21, 894
Other, including coatings.....	4, 792	9, 247	4, 581	8, 721	8, 409	10, 670
Woolen and worsted made with cotton or manipulated warps, total.....	13, 376	22, 553	4, 077	7, 497	10, 627	5, 101
Dress fabrics and suits.....	4, 427	10, 072	774	2, 225	5, 196	1, 310
Coatings.....	5, 693	7, 403	3, 303	5, 272	4, 416	3, 790
Other.....	3, 256	5, 078			1, 014	
Other women's-wear fabrics, including worsted warp and woolen filling.....	1, 102	2, 526	2, 024	4, 278	1, 932	3, 158

For footnotes, see end of table.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1933 AND 1931—Continued

	QUANTITY ¹				VALUE IN THOUSANDS OF DOLLARS ¹	
	1933		1931		1933	1931
Woolen and worsted goods—Continued.						
Woven goods—Continued.						
Auto cloths, except pile fabrics:						
Woolen.....	<i>M lb.</i>	<i>M sq. yd.</i>	<i>M lb.</i>	<i>M sq. yd.</i>		
Worsted, and woolen and worsted made with cotton or manipulated warps.....	1, 917	2, 430	2, 373	3, 026	2, 909	3, 639
Blankets:						
All-wool:						
Quantity reported.....	10, 145	13, 043	10, 753	15, 568	8, 894	10, 542
Quantity not reported.....					547	
Cotton-and-wool mixed ⁴	8, 087	13, 543	8, 040	14, 215	3, 076	3, 785
Cotton warp, all-wool filling ⁴	1, 816	2, 692	864	947	1, 321	739
Upholsteries.....	183	275	332	754	222	500
Other woolen and worsted woven goods (except pile fabrics), including draperies and horse blankets:						
Quantity reported.....	1, 785	3, 468	3, 810	6, 207	1, 864	2, 833
Quantity not reported.....					159	
Pile fabrics (except women's coatings):						
Mohair (including combinations with wool).....	21, 057	10, 670	21, 551	21, 514	18, 220	21, 344
Other pile fabrics.....	182	150			183	
Yarns made for sale, total.....	139, 352		141, 763		111, 978	129, 144
Woolen:						
All-wool.....	32, 811		33, 727		14, 054	18, 266
Wool-and-cotton combined.....	2, 933		3, 226		1, 696	1, 824
Worsted:						
All-wool.....	80, 128		85, 737		80, 313	93, 063
Wool-and-cotton combined.....	4, 764		3, 334		3, 260	2, 951
Mohair.....	10, 194		10, 510		7, 497	8, 316
Other yarns.....	8, 522		5, 229		5, 157	4, 724
Wool-card rolls, batts, and batting, made for sale:						
Quantity reported.....	194		716		71	222
Quantity not reported.....					107	
Tops and slubbing, for sale ⁵	24, 421		16, 056		16, 918	11, 657
Noils and wool waste for sale ⁶	41, 517		35, 594		9, 468	7, 242

¹ See sec. 25, p. 13.² Data for a small amount of worsted auto cloths included to avoid disclosing approximations of output of individual establishments.³ Not including data for a small amount of worsted auto cloths reported under "Men's-wear fabrics—worsted." See footnote 2.⁴ Production in the woolen-goods and worsted-goods industries only. The total production of blankets composed of cotton and wool by all establishments reporting the manufacture of such blankets was as follows: 1933—20,451,636 pounds, 36,303,365 square yards, valued at \$3,521,562; 1931—26,035,741 pounds, 48,872,427 square yards, \$11,309,303 (revised).⁵ Revised.⁶ Not including tops and slubbing, or noils and wool waste, resulting from wool combing on a commission basis for topmakers.

TABLE 3.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
WOOLEN GOODS								
United States.....	31,784	53,469	60,788	48,976	45,003	45,141	46,563	35,841
<i>States</i>								
Connecticut.....	3,341	5,405	5,886	4,932	3,660	4,021	3,853	3,313
Indiana.....	392	667	681	637	429	523	519	462
Maine.....	3,418	6,429	6,657	6,429	4,585	4,538	4,501	3,981
Maryland.....	497	580	537	364	511	485	480	357
Massachusetts.....	7,229	12,954	14,728	10,585	12,628	11,721	12,532	7,870
Michigan.....	721	958	961	972	905	902	802	861
Minnesota.....	211	376	497	206	260	285	295	273
New Hampshire.....	2,442	4,502	5,520	4,235	4,190	3,542	3,773	3,059
New Jersey.....	803	1,178	1,233	1,117	1,494	1,509	1,585	1,302
New York.....	1,364	1,695	2,010	1,581	1,834	1,909	1,761	1,393
North Carolina.....	1,149	1,371	1,409	1,322	1,082	1,160	1,197	952
Ohio.....	298	601	732	590	335	399	446	335
Oregon.....	281	609	816	662	684	666	764	909
Pennsylvania.....	2,437	4,105	5,364	3,305	4,832	4,905	5,132	3,997
Rhode Island.....	1,272	3,220	3,723	3,345	2,280	2,479	2,775	1,864
Tennessee.....	1,518	1,823	2,040	1,977	1,140	1,445	1,460	1,327
Vermont.....	1,245	2,824	3,125	2,180	1,178	1,277	1,647	696
Virginia.....	583	659	685	629	584	578	651	628
West Virginia.....	696	815	868	560	623	672	753	560
Wisconsin.....	439	643	1,118	729	404	440	483	368
WORSTED GOODS								
United States.....	54,239	84,358	92,353	70,119	74,184	82,828	82,531	66,972
<i>States</i>								
Connecticut.....	1,289	2,123	2,900	2,013	2,096	2,383	2,563	2,103
Maine.....	1,552	2,509	3,802	2,782	2,679	2,755	2,290	2,339
Massachusetts.....	16,929	29,688	33,818	31,208	25,713	29,772	29,221	21,225
New Hampshire.....	1,590	3,113	3,153	2,085	2,451	3,044	2,632	1,878
New Jersey.....	5,896	8,856	7,067	6,788	6,318	7,042	7,671	6,357
New York.....	1,849	3,149	3,577	3,060	2,296	2,597	3,075	2,555
Pennsylvania.....	6,919	8,263	10,359	8,803	8,286	7,609	8,067	6,955
Rhode Island.....	14,273	21,575	22,140	17,116	19,250	22,225	21,056	18,750
Virginia.....	451	589	533	562	(²)	(²)	(²)	(²)

¹ See sec. 5, p. 4, and sec. 13, p. 3.

Woolen goods.—The 287 establishments canvassed with the standard schedule reported wage earners, by months, as follows:

January.....	38,514	May.....	42,962	September.....	59,298
February.....	42,157	June.....	52,424	October.....	52,204
March.....	31,222	July.....	59,481	November.....	45,654
April.....	35,137	August.....	62,918	December.....	47,877

Worsted goods.—The 185 establishments canvassed with the standard schedule reported wage earners, by months, as follows:

January.....	69,485	May.....	71,233	September.....	90,203
February.....	68,547	June.....	82,702	October.....	91,030
March.....	53,207	July.....	92,555	November.....	82,834
April.....	53,013	August.....	93,292	December.....	77,844

² Withheld to avoid disclosing data for individual establishments.

Group 3.—FOREST PRODUCTS

THE GROUP AS A WHOLE

[See p. 39]

The "Forest products" group, which comprises the industries engaged in the manufacture of lumber and of the various classes of products made from lumber, embraces practically all the industries in which wood in some form is the principal material. Among the products of some of these industries are articles made from other materials than lumber. For example: The "Furniture, including store and office fixtures" industry includes the manufacture of metal furniture and metal store and office fixtures. Considering the industry as a whole, however, wood is the principal material.

Change in classification.—At the census for 1933 the "Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment" industry was transferred to Group 13 for inclusion in the new classification "Refrigerators and refrigerating and ice-making apparatus." The aggregates for Group 3 and the totals for the "Furniture and related industries" subgroup for years prior to 1933 have been revised accordingly.

SUMMARY FOR GROUP 3.—FOREST PRODUCTS: 1927 TO 1933

[See "Change in classification," p. 217]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹
Aggregate for the group.	1933	12,295	454,171	\$289,096,768	\$509,181,862	\$1,127,404,693	\$618,222,831
	1931	16,016	509,665	440,176,241	763,630,726	1,646,921,527	883,290,801
	1929	26,724	866,509	926,201,317	1,559,731,805	3,531,281,776	1,971,549,971
	1927	20,004	854,957	919,303,416	1,611,552,322	3,404,762,113	1,793,209,791
Basic industries, total.	1933	4,676	216,461	119,116,606	130,595,454	368,984,539	238,339,085
	1931	6,010	225,831	163,833,407	167,714,998	463,117,430	295,402,432
	1929	14,164	460,482	437,840,193	432,336,872	1,314,762,721	882,425,849
	1927	8,723	453,131	431,496,496	508,679,628	1,259,369,752	750,690,124
	Excelsior-----	1933	50	809	431,638	862,801	2,094,186
1931		61	927	683,092	1,411,721	2,982,864	1,571,143
1929		66	1,241	1,219,144	2,439,530	5,008,769	2,569,239
1927		64	1,272	1,181,488	2,547,114	4,821,093	2,273,934
Lumber and timber products not elsewhere classified.		1933	3,793	189,367	113,183,481	123,450,395	350,463,587
	1931	4,966	196,647	155,869,926	160,510,644	443,628,821	283,118,177
	1929	12,915	419,084	421,584,874	419,603,388	1,273,472,320	853,688,932
	1927	7,510	413,946	413,361,954	493,959,120	1,214,645,683	720,686,563
	Turpentine and rosin-----	1933	843	26,235	5,501,487	6,282,258	16,426,766
1931		953	28,257	7,280,389	5,792,633	16,505,745	10,713,112
1929		1,183	40,157	15,036,175	10,293,954	36,281,632	25,987,678
1927		1,149	37,913	16,953,054	12,173,394	39,902,971	27,729,577
Wood-reworking industries, total.		1933	3,106	53,863	39,174,705	89,843,628	177,116,006
	1931	4,430	75,574	78,144,049	157,063,043	310,677,660	153,614,617
	1929	6,081	114,640	142,566,381	337,264,405	655,344,743	318,080,338
	1927	5,582	117,905	149,782,771	350,316,239	672,336,252	313,020,013
	Lasts and related products---	1933	47	1,404	1,687,478	1,307,541	5,044,086
1931		51	1,497	2,019,665	1,682,706	5,747,226	4,064,520
1929		58	1,760	2,569,368	2,314,597	7,689,555	5,374,958
1927		59	1,718	2,504,116	2,505,932	7,829,149	5,024,117
Planing-mill products (including general millwork), made in planing mills not connected with sawmills.		1933	2,356	35,338	26,116,897	67,879,706	124,235,186
	1931	3,463	54,493	58,552,197	125,760,345	235,680,673	109,020,328
	1929	4,849	90,194	116,422,664	206,008,499	553,883,498	257,574,090
	1927	4,561	96,589	126,139,713	321,443,318	581,633,737	280,190,419
	Window and door screens and weather strip.	1933	123	1,571	1,222,863	2,910,679	6,313,891
1931		207	2,584	2,970,654	5,713,205	13,839,315	7,826,110
1929		280	4,034	4,957,661	10,512,746	24,451,700	13,938,954
1927		214	3,661	4,805,657	9,303,982	22,643,361	13,339,379
Wood turned and shaped and other wooden goods, not elsewhere classified. ³		1933	580	15,500	10,147,467	17,745,702	41,522,843
	1931	719	17,020	14,601,533	23,906,787	55,710,446	31,803,659
	1929	894	18,712	18,616,688	28,428,563	69,610,990	41,191,427
	1927	748	15,937	16,333,285	26,063,907	60,530,005	34,466,098
	Wooden - container industries, total.	1933	1,217	42,007	24,182,541	59,077,503	108,951,906
1931		1,490	43,277	33,056,296	73,824,687	139,016,367	65,191,680
1929		1,769	54,972	51,078,079	129,655,812	235,177,931	105,522,119
1927		1,648	56,124	52,720,946	134,470,611	235,577,940	101,107,429
Baskets and rattan and willow ware, not including furniture.		1933	184	8,371	3,624,531	4,899,657	12,435,404
	1931	223	8,428	5,257,223	6,314,168	16,346,700	10,032,532
	1929	273	9,353	6,671,089	8,820,166	22,851,043	14,030,877
	1927	236	9,295	6,607,806	9,231,144	21,728,900	12,497,756
	Boxes, cigar, wooden-----	1933	77	3,426	1,782,095	2,208,792	5,904,232
1931		92	3,777	2,564,496	3,472,042	8,859,440	5,386,498
1929		118	4,374	3,507,711	5,238,209	12,459,429	7,221,216
1927		136	4,577	3,925,329	5,620,725	12,908,735	7,288,014
Boxes, wooden, except cigar boxes.		1933	595	21,753	12,515,261	29,056,192	54,994,596
	1931	875	22,864	17,571,697	39,704,926	74,667,232	34,962,306
	1929	792	30,554	29,193,575	74,031,937	135,025,675	60,943,738
	1927	748	30,797	29,260,351	75,797,392	133,992,877	58,195,485

For footnotes, see end of table.

SUMMARY FOR GROUP 3.—FOREST PRODUCTS: 1927 TO 1933—Continued

[See "Change in classification," p. 217]

INDUSTRY	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (aver- age for the year)	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufac- ture ¹
Cooperage-----	1933	361	8,457	\$6,260,654	\$22,912,867	\$35,617,674	\$12,704,807
	1931	500	8,208	7,662,880	24,332,651	39,142,995	14,810,344
	1929	586	10,691	11,705,704	41,515,500	64,841,788	23,326,238
	1927	528	11,455	12,937,460	43,821,250	66,947,424	23,126,174
Furniture and related industries, total.	1933	2,566	108,298	78,420,945	145,924,381	305,959,583	160,035,202
	² 1931	3,340	131,310	130,077,425	223,071,475	497,196,892	274,125,417
	³ 1929	3,996	196,235	250,447,209	436,225,089	976,175,618	539,950,520
	² 1927	3,428	193,787	245,683,120	401,548,972	911,804,892	510,255,920
Billiard and pool tables, bowling alleys, and acces- sories.	1933	17	407	227,844	514,387	1,123,037	608,650
	1931	32	592	613,165	1,395,541	3,761,399	2,365,828
	1929	40	1,390	1,862,917	3,238,366	8,821,363	5,582,967
	1927	34	1,184	1,549,880	2,393,993	7,111,871	4,717,878
Furniture, including store and office fixtures.	1933	2,411	105,488	76,346,466	142,587,238	297,729,981	155,142,743
	1931	3,148	127,605	125,972,086	217,896,175	482,289,230	264,393,055
	1929	3,778	193,399	242,832,096	426,454,169	948,116,358	521,662,189
	1927	3,228	188,143	238,240,167	392,098,519	885,204,300	493,105,781
Mirror and picture frames...	1933	138	2,403	1,846,635	2,822,756	7,106,565	4,283,809
	1931	160	3,113	3,492,174	3,779,759	11,146,293	7,366,634
	1929	178	4,446	5,752,196	6,532,524	19,237,897	12,705,373
	1927	166	4,460	5,893,073	7,056,460	19,488,721	12,432,261
Other allied industries, total.	1933	730	33,545	23,201,971	83,740,891	166,392,659	82,651,768
	1931	746	33,673	35,065,064	141,956,523	236,913,178	94,956,655
	1929	714	37,270	44,269,455	224,249,627	349,820,763	125,571,136
	1927	623	34,010	39,620,083	207,536,972	325,673,277	118,136,305
Caskets, coffins, burial cases, and other morticians' goods.	1933	396	12,155	11,836,833	25,674,360	58,740,125	33,065,765
	1931	399	11,932	14,224,953	28,518,819	69,809,532	41,290,713
	1929	414	13,033	16,411,027	39,350,294	88,281,872	48,931,578
	1927	340	11,665	14,420,598	33,327,469	74,890,850	41,563,381
Cork products-----	1933	30	2,797	2,167,824	5,277,165	11,603,880	6,326,715
	1931	31	3,018	3,027,237	6,617,260	14,877,454	8,260,194
	1929	35	3,842	4,208,674	12,602,522	23,023,329	10,420,807
	1927	27	3,185	3,560,013	9,395,123	17,368,825	7,973,702
Matches-----	1933	18	4,726	4,036,993	11,679,126	26,372,522	14,093,396
	1931	19	3,369	3,493,397	10,875,130	18,472,622	7,597,492
	1929	21	3,760	4,118,093	12,526,327	20,351,025	7,824,698
	1927	19	3,905	4,130,988	11,884,075	24,905,835	13,021,760
Pulp goods and molded com- position products. ⁴	1933	101	6,840	5,926,897	10,023,281	25,731,321	15,708,040
	1931	86	5,654	6,105,362	10,804,743	27,239,355	16,434,612
Pulp goods ⁴ -----	1929	45	3,558	4,591,688	12,067,760	27,219,892	15,152,132
	1927	44	2,996	3,782,927	11,375,407	23,950,127	12,574,720
Wood preserving	1933	185	7,027	4,233,424	31,086,959	43,944,811	12,857,852
	1931	211	9,700	8,214,115	85,140,571	106,514,215	21,373,644
	1929	199	13,077	14,939,973	147,702,724	190,944,645	43,241,921
	1927	193	12,259	13,725,557	141,554,898	184,557,640	43,002,742

¹ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.² Revised; see "Change in classification," p. 217.³ The figures prior to 1931 do not include data for establishments engaged primarily in the manufacture of fellos, spokes, and hubs, and therefore are not strictly comparable with those for 1931 and 1933, in which data for such establishments are included.⁴ Because of a change in the classification of certain establishments, the figures for "Pulp goods and molded composition products" are not comparable with those for "Pulp goods."

BASKETS AND RATTAN AND WILLOW WARE; BOXES, CIGAR, WOODEN; BOXES, WOODEN, EXCEPT CIGAR BOXES; COOPERAGE

[Preliminary reports for these industries were issued on August 29, 1934, and subsequent dates]

Description of the industries.—The "Baskets and rattan and willow ware" industry embraces establishments engaged primarily in the manufacture of baskets of all kinds; fruit, floral, berry, and truck packages; laundry and bushel hampers; coffee drums; splint and wicker trays; rattan and cane webbing; and, in general, small articles made of veneer, reed, rattan, and willow. (Manufacturers of rattan and willow furniture are classified in the Furniture industry.)

The "Boxes, cigar, wooden" industry embraces establishments engaged primarily in the manufacture of wooden boxes in which cigars are packed for sale. (Manufacturers of paper cigar boxes are assigned to the "Boxes, paper, not elsewhere classified" industry.)

The establishments classified in the "Boxes, wooden, except cigar boxes" industry are engaged primarily in the manufacture of wooden boxes (not including cigar boxes); crates for butter, fruits, berries, and vegetables; box shooks; cases for eggs and canned goods; carrier trays; etc. Establishments operating sawmills, even though their principal products may be boxes, are classified in the "Lumber and timber products" industry. Establishments which are engaged primarily in the manufacture of boxes, but which produce their own veneers, are classified in the wooden-box industry, but data for the quantities of logs consumed and of veneers produced by such establishments are included in table 5, p. 249.

The principal products of the establishments assigned to the "Cooperage" industry are barrels, kegs, tubs, pails, hogsheads, and other containers made of staves. Data for cooperage stock (staves, heading, and hoops) made by establishments classified in this industry are included in the figures for the production of tight and slack cooperage stock, in tables 6 and 7, pp. 249 and 250. (See "Description of the industry," p. 243.)

Consumption of logs and bolts and production of veneer by basket and wooden-cigar-box manufacturers.—Data reported to the Bureau of the Census for the consumption of logs and bolts in the manufacture of veneer by establishments classified in the Basket and Wooden-cigar-box industries, and for the production of veneer by such establishments for their own use or for sale incidentally, are included in the statistics on veneers, table 5, p. 249.

Extent of coverage.—All the establishments in the "Boxes, cigar, wooden" industry that reported at the census for 1931 were accounted for in the canvass for 1933. The 1933 coverage of the establishments which reported for 1931 in the "Baskets and rattan and willow ware," "Boxes, wooden, except cigar boxes," and "Cooperage" industries was nearly complete. Although 10 establishments in the first-named industry, 22 in the second, and 18 in the third failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, these establishments accounted for only approximately 1 percent of the total number of wage earners and less than 1 percent of the total value of products reported for the respective industries for 1931.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

	Number of establishments	Number of salaried employees ^{1,2}	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
BASKETS AND RATTAN AND WILLOW WARE, NOT INCLUDING FURNITURE								
<i>United States</i>								
1933.....	184	440	8,371	616	3,625	4,900	12,435	7,536
1931.....	223	(⁴)	8,428	(⁵)	5,257	6,314	16,347	10,033
1929.....	273	630	9,353	1,448	6,671	8,820	22,851	14,031
1927.....	236	633	9,295	1,437	6,608	9,231	21,729	12,498
<i>States⁶</i>								
California:								
1933.....	7	10	129	29	134	458	856	397
Delaware:								
1933.....	5	16	404	19	142	136	383	197
1931.....	6	(³)	402	(³)	185	260	463	203
Florida:								
1933.....	7	14	579	21	202	361	753	392
1931.....	7	(³)	349	(³)	152	131	429	298
Illinois:								
1933.....	5	5	65	7	36	73	163	90
1931.....	5	(³)	61	(³)	55	88	176	88
Indiana:								
1933.....	9	42	650	56	284	244	819	575
1931.....	12	(³)	870	(³)	553	415	1,344	929
Maryland:								
1933.....	8	23	280	21	109	137	339	202
1931.....	10	(³)	259	(³)	152	211	460	249
Massachusetts:								
1933.....	4	12	58	17	41	73	180	107
1931.....	6	(³)	86	(³)	78	87	237	150
Michigan:								
1933.....	13	28	444	34	255	406	837	481
1931.....	12	(³)	361	(³)	292	335	973	638
New Jersey:								
1933.....	7	18	276	37	188	290	721	432
1931.....	10	(³)	294	(³)	267	475	958	483
New York:								
1933.....	34	61	797	88	505	772	1,794	1,021
1931.....	46	(³)	920	(³)	774	1,151	2,824	1,673
North Carolina:								
1933.....	11	36	715	43	228	351	854	504
1931.....	12	(³)	600	(³)	258	269	912	644
Ohio:								
1933.....	18	32	524	47	283	193	747	554
1931.....	20	(³)	548	(³)	479	328	1,078	750
Pennsylvania:								
1933.....	6	12	47	16	32	67	121	53
1931.....	13	(³)	241	(³)	186	309	584	276
South Carolina:								
1933.....	3	2	119	(³)	20	46	114	67
Texas:								
1933.....	14	42	791	53	269	262	974	712
1931.....	15	(³)	872	(³)	493	446	1,599	1,153
Virginia:								
1933.....	6	24	1,478	55	484	574	1,495	921
1931.....	7	(³)	1,372	(³)	626	800	1,732	932
Other States: ⁷								
1933.....	27	63	1,014	74	411	405	1,235	830
1931.....	42	(³)	1,223	(³)	708	1,010	2,578	1,568
BOXES, CIGAR, WOODEN								
<i>United States</i>								
1933.....	1077	148	3,426	288	1,782	2,209	5,904	3,695
1931.....	92	(³)	3,777	(³)	2,564	3,473	8,859	5,386
1929.....	118	268	4,374	814	3,508	5,238	12,459	7,221
1927.....	136	332	4,577	794	3,925	5,621	12,909	7,288
BOXES, WOODEN, EXCEPT CIGAR BOXES								
<i>United States</i>								
1933.....	595	1,539	21,753	2,365	12,515	29,050	54,995	25,938
1931.....	675	(³)	22,864	(³)	17,572	39,705	74,667	34,962
1929.....	792	2,589	30,554	7,261	29,194	74,032	135,026	60,044
1927.....	748	2,482	30,797	6,684	29,250	75,797	133,993	58,195

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

	Number of establishments	Number of salaried employ-ees ¹ 2	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufac-ture ³
<i>Thousands of dollars. (See sec. 25, p. 13)</i>								
BOXES, WOODEN, EXCEPT CIGAR BOXES—continued								
<i>States⁴</i>								
Alabama:								
1933	7	18	509	38	120	270	548	279
1931	8	(⁵)	430	(⁵)	205	402	750	348
Arkansas:								
1933	7	27	637	44	273	427	891	464
1931	6	(⁵)	485	(⁵)	242	349	930	581
California:								
1933	36	108	1,132	194	1,017	2,938	5,021	2,084
1931	42	(⁵)	1,239	(⁵)	1,415	4,225	7,082	2,868
Connecticut:								
1933	5	5	70	3	50	182	293	111
1931	5	(⁵)	46	(⁵)	50	178	277	99
Florida:								
1933	16	60	2,059	100	684	1,098	2,633	1,535
1931	13	(⁵)	1,232	(⁵)	583	903	2,336	1,343
Georgia:								
1933	11	35	1,222	59	475	795	1,766	970
1931	12	(⁵)	1,042	(⁵)	498	911	1,880	969
Illinois:								
1933	37	174	1,599	225	974	2,377	4,235	1,858
1931	39	(⁵)	1,520	(⁵)	1,238	2,411	5,001	2,590
Indiana:								
1933	13	32	366	36	228	577	1,054	477
1931	15	(⁵)	398	(⁵)	283	700	1,199	499
Iowa:								
1933	5	13	97	15	53	75	178	103
1931	4	(⁵)	69	(⁵)	53	73	170	97
Kentucky:								
1933	7	30	358	51	181	467	909	442
1931	7	(⁵)	354	(⁵)	236	647	1,256	609
Louisiana:								
1933	10	38	614	49	340	733	1,471	738
1931	11	(⁵)	723	(⁵)	491	1,239	2,251	1,012
Maine:								
1933	9	22	269	29	161	294	671	378
1931	13	(⁵)	459	(⁵)	348	771	1,209	439
Maryland:								
1933	13	28	544	46	314	634	1,216	582
1931	16	(⁵)	771	(⁵)	584	869	1,731	862
Massachusetts:								
1933	45	103	1,049	176	834	1,592	3,282	1,690
1931	48	(⁵)	1,305	(⁵)	1,257	2,283	4,521	2,239
Michigan:								
1933	14	20	197	25	108	338	623	285
1931	22	(⁵)	562	(⁵)	525	876	1,716	840
Minnesota:								
1933	21	37	434	60	298	821	1,422	601
1931	21	(⁵)	392	(⁵)	358	1,056	1,860	804
Mississippi:								
1933	5	24	624	38	257	872	1,424	552
1931	6	(⁵)	468	(⁵)	242	694	1,465	771
Missouri:								
1933	16	40	581	62	411	935	1,680	745
1931	16	(⁵)	602	(⁵)	546	1,020	1,968	948
Nebraska:								
1933	5	12	76	16	48	118	203	85
1931	5	(⁵)	78	(⁵)	76	217	361	143
New Hampshire:								
1933	15	39	811	57	604	1,118	2,042	924
1931	19	(⁵)	1,028	(⁵)	927	1,925	3,226	1,300
New Jersey:								
1933	21	66	429	117	407	1,363	2,549	1,186
1931	27	(⁵)	738	(⁵)	821	2,819	5,129	2,310
New York:								
1933	47	74	738	100	606	1,692	3,046	1,354
1931	54	(⁵)	690	(⁵)	763	1,702	3,181	1,479
North Carolina:								
1933	13	42	610	70	252	698	1,118	420
1931	18	(⁵)	781	(⁵)	342	1,236	2,030	795
Ohio:								
1933	29	65	690	90	496	1,152	2,396	1,244
1931	40	(⁵)	934	(⁵)	838	1,868	3,711	1,843

For footnotes, see end of table

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
BOXES, WOODEN, EXCEPT CIGAR BOXES—continued								
States—Continued								
Oregon:								
1933.....	10	18	315	24	191	521	890	369
1931.....	16	(³)	298	(³)	253	710	1,115	405
Pennsylvania:								
1933.....	39	92	819	152	608	1,330	2,530	1,199
1931.....	44	(³)	1,007	(³)	901	1,465	3,204	1,738
Rhode Island:								
1933.....	6	15	72	18	55	173	311	138
1931.....	5	(³)	122	(³)	110	254	486	232
South Carolina:								
1933.....	12	16	383	28	151	313	681	367
1931.....	10	(³)	321	(³)	143	423	719	296
Tennessee:								
1933.....	11	27	678	43	224	365	863	499
1931.....	12	(³)	676	(³)	373	561	1,337	776
Texas:								
1933.....	16	53	749	98	370	787	1,620	833
1931.....	19	(³)	745	(³)	509	1,566	2,781	1,215
Virginia:								
1933.....	15	36	752	67	335	886	1,519	633
1931.....	15	(³)	923	(³)	497	1,392	2,428	1,036
Washington:								
1933.....	16	32	384	46	289	528	1,057	529
1931.....	14	(³)	453	(³)	376	834	1,579	745
West Virginia:								
1933.....	5	10	122	15	68	226	350	125
1931.....	6	(³)	84	(³)	65	183	320	136
Wisconsin:								
1933.....	39	76	1,366	121	828	1,737	3,517	1,781
1931.....	45	(³)	1,452	(³)	1,113	1,748	3,764	2,016
Other States: ¹²								
1933.....	19	52	400	50	225	628	987	359
1931.....	22	(³)	437	(³)	311	1,105	1,695	590
COOPERAGE								
United States								
1933.....	361	568	8,457	936	6,261	22,913	35,618	12,705
1931.....	500	(³)	8,208	(³)	7,663	24,333	39,143	14,810
1929.....	586	970	10,691	2,549	11,706	41,516	64,842	23,326
1927.....	528	969	11,455	2,554	12,937	43,821	66,947	23,126
States ⁶								
California:								
1933.....	7	35	259	70	237	1,557	2,176	619
1931.....	8	(³)	239	(³)	354	1,367	2,109	743
Florida:								
1933.....	10	15	252	13	76	174	392	218
1931.....	10	(³)	235	(³)	119	371	662	292
Georgia:								
1933.....	8	11	123	21	59	320	508	188
1931.....	13	(³)	157	(³)	102	561	819	258
Illinois:								
1933.....	21	46	895	97	751	2,934	4,637	1,703
1931.....	23	(³)	835	(³)	935	3,299	5,065	1,766
Indiana:								
1933.....	8	6	110	5	71	352	487	135
1931.....	11	(³)	110	(³)	77	251	407	156
Iowa:								
1933.....	8	7	118	12	104	821	982	162
1931.....	9	(³)	189	(³)	131	739	992	253
Kentucky:								
1933.....	9	34	537	36	285	1,096	1,808	712
1931.....	9	(³)	354	(³)	222	737	1,231	493
Louisiana:								
1933.....	9	12	297	25	204	359	648	289
1931.....	11	(³)	334	(³)	245	1,125	1,563	438
Massachusetts:								
1933.....	11	22	324	31	237	650	1,170	520
1931.....	15	(³)	476	(³)	461	1,007	1,925	918
Minnesota:								
1933.....	7	10	182	16	128	744	969	225
1931.....	5	(³)	235	(³)	229	1,133	1,651	518

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
Thousands of dollars. (See sec. 25, p. 13)								
COOPERAGE—continued								
States ⁴ —Continued								
Missouri:								
1933.....	13	24	547	46	449	1,506	2,441	935
1931.....	12	(⁵)	468	(⁵)	393	1,068	1,871	803
New Hampshire:								
1933.....	4	13	201	22	154	146	435	290
1931.....	6	(⁵)	223	(⁵)	232	194	623	420
New Jersey:								
1933.....	12	39	500	92	598	1,129	1,958	820
1931.....	10	(⁵)	514	(⁵)	687	1,213	2,187	974
New York:								
1933.....	29	34	397	52	389	1,359	2,245	886
1931.....	35	(⁵)	453	(⁵)	496	1,714	2,588	874
North Carolina:								
1933.....	17	10	163	7	60	234	346	112
1931.....	30	(⁵)	148	(⁵)	81	393	550	157
Ohio:								
1933.....	22	15	516	23	383	1,560	2,369	809
1931.....	36	(⁵)	481	(⁵)	416	1,364	2,297	933
Pennsylvania:								
1933.....	24	26	392	44	328	1,863	2,710	847
1931.....	34	(⁵)	368	(⁵)	396	1,708	2,479	771
Texas:								
1933.....	9	9	68	14	44	207	323	116
1931.....	12	(⁵)	92	(⁵)	60	302	405	193
Virginia:								
1933.....	53	20	323	22	101	559	748	189
1931.....	113	(⁵)	415	(⁵)	237	1,279	1,812	532
West Virginia:								
1933.....	15	6	61	7	48	139	254	115
1931.....	21	(⁵)	82	(⁵)	93	309	520	211
Wisconsin:								
1933.....	12	95	697	135	567	1,595	2,417	822
1931.....	11	(⁵)	560	(⁵)	533	792	1,501	709
Other States: ¹³								
1933.....	53	79	1,496	145	988	3,610	5,595	1,985
1931.....	67	(⁵)	1,320	(⁵)	1,152	3,406	5,706	2,390

¹ Not including proprietors and firm members, as follows: "Baskets and rattan and willow ware" industry, 1933, 100; 1931, no data; 1929, 172; 1927, 153. "Boxes, cigar, wooden" industry, 1933, 43; 1931, no data; 1929, 98; 1927, 105. "Boxes, wooden, except cigar boxes" industry, 1933, 268; 1931, no data; 1929, 438; 1927, 383. "Cooperage" industry, 1933, 120; 1931, no data; 1929, 303; 1927, 261.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ Includes \$1,243,006, value of miscellaneous products and receipts for custom and contract work, but does not include \$1,823,330, value of baskets, hampers, and reed, rattan, and willow ware, made as secondary products in other industries. The total values of baskets, etc., made in 1933, regardless of the industry classification of the establishments by which manufactured, were as follows: Baskets and hampers, \$12,648,579; reed, rattan, and willow ware (not including baskets, hampers, or furniture), \$367,149.

⁵ No data.

⁶ See sec. 26, p. 13.

⁷ Figures for 1931 withheld to avoid disclosing approximations of data for individual establishments; included in items for "Other States."

⁸ Withheld to avoid disclosing compensation of individual employees; included in item for "Other States."

⁹ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 3, 4; Ark., 2, 3; Calif. (1931), 6; Colo., 1, 1; Conn., 1, 1; Ga., 2, 3; Iowa, 4, 4; Kans., 2, 2; Ky., 2, 2; Minn., 0, 1; Miss., 0, 1; Mo., 1, 1; Nebr., 1, 1; N. H., 1, 1; R. I., 1, 0; S. C. (1931), 3; Tenn., 1, 1; Utah, 1, 1; Vt., 1, 2; Wash., 1, 1; Wis., 2, 3.

¹⁰ Calif., 3 establishments; Conn., 1; Fla., 5; Ill., 2; Ind., 2; Ky., 2; La., 2; Md., 3; Mass., 3; Mich., 3; Minn., 1; Mo., 2; N. H., 1; N. J., 3; N. Y., 6; Ohio, 6; Pa., 27; S. C., 1; Tex., 1; Va., 1; W. Va., 1; Wis., 1.

¹¹ Cigar boxes, \$5,642,827; miscellaneous products and receipts for contract work, \$261,405. In addition, wooden cigar boxes to the value of \$55,357 were made as secondary products in other industries. The total production of wooden cigar boxes in 1933, regardless of the industry classification of the establishments by which manufactured, amounted to 66,227,000, valued at \$5,699,000.

¹² States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ariz., 1, 2; Colo., 2, 3; Del., 3, 2; Idaho, 5, 4; Kans., 4, 4; Okla., 2, 3; S. Dak., 0, 1; Utah, 2, 2; Vt., 0, 1.

¹³ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 6, 5; Ark., 2, 1; Colo., 1, 1; Conn., 2, 1; Kans., 5, 4; Me., 3, 5; Md., 8, 10; Mich., 6, 8; Miss., 0, 1; Nebr., 3, 2; N. Dak., 1, 0; Okla., 1, 0; Oreg., 2, 2; S. C., 2, 2; Tenn., 8, 9; Vt., 1, 2; Wash., 2, 4.

TABLE 2.—WOODEN BOXES, EXCEPT CIGAR BOXES—PRODUCTION, BY KIND AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

	1933	1931	1929
1. "Boxes, wooden, except cigar boxes" industry, all products, total value.....	\$54,994,596	\$74,667,232	\$135,025,675
2. Wooden boxes, crates, and shooks.....	51,516,011	69,480,302	125,129,766
3. Other products (not normally belonging to the industry).....	3,414,615	5,115,631	9,634,214
4. Receipts for custom and contract work.....	63,970	71,299	261,695
5. Wooden boxes, crates, and shooks made as secondary products in other industries (principally the "Lumber and timber products" and "Planing-mill products" industries).....	27,720,780	38,725,734	72,647,965
Wooden boxes (except cigar boxes), crates, and shooks, aggregate value (2 and 5).....	79,236,791	108,206,036	197,777,731
Lumber, not wire-bound.....	53,638,075	78,219,721	143,197,230
Veneer panel, not wire-bound.....	10,424,727	17,980,761	30,626,935
Lumber, wire-bound.....	5,070,254	11,061,218	18,037,028
Veneer panel, wire-bound.....	4,909,156		
Not specified.....	15,194,579	944,336	5,916,538

¹ Includes a small value of products not normally belonging to the industry, not reported separately.

TABLE 3.—COOPERAGE—PRODUCTION, BY KIND, NUMBER, AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

	THOUSANDS ¹			VALUE IN THOUSANDS OF DOLLARS ¹		
	1933	1931	1929	1933	1931	1929
1. "Cooperage" industry, all products, total value.....				35,618	39,143	64,842
2. Cooperage.....				32,838	36,511	60,191
3. Other products (not normally belonging to the industry).....				2,242	2,343	4,477
4. Receipts for custom and contract work.....				538	289	174
5. Cooperage made as a secondary product in other industries.....				559	1,064	1,686
Cooperage, aggregate value (2 and 5).....				33,397	37,575	61,877
Hogsheads and barrels, total value.....				19,250	23,860	41,327
Number and value reported.....	14,811	21,954	33,432	17,218	19,627	33,951
Value only reported.....				2,033	4,233	7,376
Kegs, total value.....				5,931	5,810	8,595
Number and value reported.....	8,108	8,901	13,249	5,895	5,405	7,608
Value only reported.....				35	405	987
Tubs and pails, total value.....				4,160	5,376	7,596
Number and value reported.....	11,004	14,104	9,668	3,163	4,667	3,636
Value only reported.....				997	709	3,960
Cooperage not reported by kind, value.....				4,055	2,529	4,358

¹ See sec. 25, p. 13.

TABLE 4.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933 ¹				1931			
	March	June	Sep- tember	De- cember	March	June	Sep- tember	De- cember
BASKETS AND BATTAN AND WILLOW WARE, NOT INCLUDING FURNITURE								
United States.....	7, 089	10, 119	10, 279	6, 583	7, 933	9, 802	9, 636	6, 855
<i>States</i>								
Alabama.....	53	140	116	50	115	157	88	87
California.....	135	188	104	104	132	146	78	66
Delaware.....	437	492	480	149	328	471	393	431
Florida.....	644	574	527	750	429	306	295	419
Illinois.....	68	100	28	35	47	85	59	54
Indiana.....	459	919	842	335	713	1, 046	1, 115	662
Iowa.....	133	174	272	145	70	70	70	60
Maryland.....	290	367	263	185	322	314	247	237
Massachusetts.....	56	57	67	55	84	84	80	88
Michigan.....	216	726	692	233	211	522	539	190
New Jersey.....	168	340	398	260	211	310	364	157
New York.....	553	994	1, 325	379	808	1, 124	1, 232	451
North Carolina.....	624	915	742	632	547	702	629	460
Ohio.....	286	767	761	376	444	632	719	399
Pennsylvania.....	34	33	79	49	206	214	281	253
South Carolina.....	217	201	15	75	(²)	(²)	(²)	(²)
Texas.....	533	609	899	1, 032	928	950	904	900
Virginia.....	1, 509	1, 656	1, 722	1, 115	1, 465	1, 577	1, 591	1, 018
BOXES, WOODEN, EXCEPT CIGAR BOXES								
United States.....	18, 808	22, 965	22, 782	22, 366	24, 078	23, 242	22, 480	21, 421
<i>States</i>								
Alabama.....	474	521	535	500	423	461	405	390
Arkansas.....	538	672	659	676	441	523	481	373
California.....	861	1, 148	1, 567	1, 095	1, 221	1, 336	1, 354	1, 034
Connecticut.....	54	62	99	80	54	37	48	40
Delaware.....	67	56	38	48	(²)	(²)	(²)	(²)
Florida.....	1, 771	1, 597	1, 874	3, 031	1, 430	888	1, 158	1, 522
Georgia.....	1, 164	1, 201	1, 187	1, 346	1, 115	1, 128	909	1, 066
Idaho.....	68	98	100	68	77	93	108	51
Illinois.....	1, 287	1, 919	1, 570	1, 474	1, 609	1, 629	1, 514	1, 434
Indiana.....	309	465	393	327	416	418	387	342
Iowa.....	70	95	108	129	69	71	69	63
Kansas.....	132	157	211	186	134	146	150	167
Kentucky.....	310	421	382	241	331	429	331	253
Louisiana.....	714	602	483	665	701	591	788	830
Maine.....	198	244	357	309	500	450	512	354
Maryland.....	470	537	533	547	844	851	705	604
Massachusetts.....	907	1, 030	1, 249	1, 086	1, 354	1, 356	1, 263	1, 215
Michigan.....	119	200	249	240	590	546	587	445
Minnesota.....	302	510	490	421	377	410	365	321
Mississippi.....	581	403	511	900	565	342	445	538
Missouri.....	561	751	603	497	652	614	608	531
Nebraska.....	64	83	69	79	80	69	87	83
New Hampshire.....	724	762	939	808	1, 042	1, 000	1, 038	968
New Jersey.....	357	513	475	412	779	780	693	678
New York.....	591	864	742	658	762	632	681	575
North Carolina.....	478	703	608	667	829	807	707	793
Ohio.....	554	885	749	696	1, 013	907	938	864
Oregon.....	302	326	291	283	317	295	303	253
Pennsylvania.....	710	879	825	822	1, 077	1, 014	978	909
Rhode Island.....	62	71	81	70	130	130	111	108
South Carolina.....	400	451	355	308	355	337	312	356
Tennessee.....	639	800	581	668	741	741	622	604
Texas.....	677	787	764	929	764	801	729	729
Virginia.....	602	834	857	858	933	935	925	878
Washington.....	383	383	482	359	444	517	457	379
West Virginia.....	76	128	159	98	85	92	91	59
Wisconsin.....	1, 092	1, 651	1, 422	1, 176	1, 556	1, 491	1, 398	1, 318

For footnotes, see end of table.

TABLE 4.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931—Continued

[See note at head of table]

	1933 ¹				1931			
	March	June	Sep-tember	De-cember	March	June	Sep-tember	De-cember
COOPERAGE								
United States.....	6,795	8,406	10,091	9,665	8,263	8,445	8,291	7,686
<i>States</i>								
Alabama.....	140	162	171	175	(²)	(²)	(²)	(²)
California.....	217	270	273	317	231	242	247	239
Florida.....	284	220	273	232	300	233	182	192
Georgia.....	122	134	143	131	131	173	181	131
Illinois.....	754	995	975	962	812	866	809	846
Indiana.....	96	124	117	117	108	110	101	110
Iowa.....	112	134	111	123	136	145	140	137
Kansas.....	96	107	97	102	99	98	100	100
Kentucky.....	317	435	641	791	309	317	387	370
Louisiana.....	258	246	348	418	356	341	331	291
Maine.....	9	9	22	9	8	40	27	6
Maryland.....	197	245	361	281	226	238	232	242
Massachusetts.....	327	319	328	332	486	474	474	453
Minnesota.....	160	189	209	177	270	235	216	210
Missouri.....	453	523	668	635	449	459	495	466
Nebraska.....	91	94	110	87	(²)	(²)	(²)	(²)
New Hampshire.....	169	175	221	266	212	222	210	256
New Jersey.....	465	472	500	598	541	524	519	474
New York.....	227	298	529	632	451	461	486	377
North Carolina.....	225	141	144	124	160	192	113	135
Ohio.....	341	512	738	471	435	443	476	422
Pennsylvania.....	250	427	498	418	362	370	383	366
Tennessee.....	221	248	461	542	223	221	213	214
Texas.....	41	50	78	115	81	82	38	110
Virginia.....	136	626	413	152	358	559	539	179
West Virginia.....	52	65	78	46	77	83	106	63
Wisconsin.....	586	599	937	772	605	517	532	617

¹ See sec. 5, p. 4, and sec. 13, p. 8. The establishments canvassed with the standard schedule reported wage earners, by months, as follows:

Baskets and rattan and willow ware. Number of establishments reported on standard schedule, 163.

January.....	6,433	May.....	8,977	September.....	10,091
February.....	6,899	June.....	9,902	October.....	8,733
March.....	6,944	July.....	9,635	November.....	6,662
April.....	7,887	August.....	9,735	December.....	6,449

Boxes, wooden, except cigar boxes. Number of establishments reported on standard schedule, 433.

January.....	17,038	May.....	21,019	September.....	20,855
February.....	17,263	June.....	21,013	October.....	21,305
March.....	17,302	July.....	20,894	November.....	21,012
April.....	19,775	August.....	20,826	December.....	21,000

Cooperage. Number of establishments reported on standard schedule, 314.

January.....	6,314	May.....	7,700	September.....	9,808
February.....	6,468	June.....	8,194	October.....	10,068
March.....	6,680	July.....	8,309	November.....	9,995
April.....	8,844	August.....	9,258	December.....	9,492

² Withheld to avoid disclosing data for an individual establishment.

CASKETS, COFFINS, BURIAL CASES, AND OTHER MORTICIANS' GOODS

[A preliminary report for this industry was issued under date of Sept. 29, 1934]

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of caskets and coffins, whether of wood or of metal, burial cases, shipping cases, and morticians' supplies and accessories, such as burial garments, gloves, and slippers, casket linings and draperies, ambulance baskets, lowering devices, couches, embalming tables, and embalming fluids.

Extent of coverage.—The 1933 coverage of the establishments reporting in this industry for 1931 was practically complete. Of the 399 such establishments, 15 failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, but these establishments accounted for less than 1 percent of the total number of wage earners and of the total value of products reported for this industry for 1931.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ^{1 2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars.</i> (See sec. 25, p. 13)								
<i>United States</i>								
1933.....	396	1,702	12,155	3,111	11,837	25,674	58,740	33,066
1931.....	399	(⁴)	11,932	(⁴)	14,225	28,519	69,810	41,291
1929.....	414	2,173	13,033	6,476	16,411	39,350	88,282	48,932
1927.....	340	2,044	11,665	5,649	14,421	33,327	74,891	41,563
<i>States</i>								
<i>Alabama:</i>								
1933.....	7	22	161	31	100	280	610	330
1931.....	7	(⁴)	158	(⁴)	123	352	629	277
<i>Arkansas:</i>								
1933.....	3	17	88	30	52	234	403	169
1931.....	3	(⁴)	82	(⁴)	67	209	455	156
<i>California:</i>								
1933.....	23	70	296	130	308	909	1,864	955
1931.....	24	(⁴)	356	(⁴)	535	1,220	2,564	1,344
<i>Colorado:</i>								
1933.....	6	14	47	21	47	142	295	153
1931.....	5	(⁴)	39	(⁴)	48	148	278	129
<i>Connecticut:</i>								
1933.....	5	34	44	44	48	166	578	413
<i>Florida:</i>								
1933.....	5	9	58	11	49	130	244	114
1931.....	4	(⁴)	34	(⁴)	44	127	248	121
<i>Georgia:</i>								
1933.....	12	23	211	41	141	368	751	384
1931.....	13	(⁴)	196	(⁴)	166	414	808	394
<i>Illinois:</i>								
1933.....	27	179	1,377	354	1,540	2,588	6,569	3,981
1931.....	28	(⁴)	1,290	(⁴)	1,815	3,232	8,935	5,703
<i>Indiana:</i>								
1933.....	23	71	597	100	465	993	2,125	1,132
1931.....	22	(⁴)	608	(⁴)	594	1,190	2,684	1,494
<i>Iowa:</i>								
1933.....	13	48	243	88	222	484	1,168	653
1931.....	13	(⁴)	277	(⁴)	305	623	1,322	759
<i>Kansas:</i>								
1933.....	4	19	74	47	75	309	608	300
1931.....	4	(⁴)	70	(⁴)	85	349	593	243
<i>Maine:</i>								
1933.....	5	13	67	21	59	163	295	131
1931.....	5	(⁴)	57	(⁴)	75	148	292	144

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ¹ 2	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
<i>States—Continued</i>								
Maryland:								
1933	3	9	107	14	120	337	546	209
Massachusetts:								
1933	17	62	402	88	452	874	2,221	1,347
1931	14	(⁴)	391	(⁴)	499	1,129	2,746	1,618
Michigan:								
1933	19	70	424	131	357	1,017	2,203	1,187
1931	21	(⁴)	442	(⁴)	480	1,217	2,623	1,406
Minnesota:								
1933	9	37	177	64	181	399	928	530
1931	8	(⁴)	166	(⁴)	184	427	1,145	718
Missouri:								
1933	16	58	505	100	486	1,262	2,848	1,586
1931	18	(⁴)	487	(⁴)	561	1,210	3,054	1,844
Nebraska:								
1933	5	15	38	21	36	134	306	172
1931	5	(⁴)	54	(⁴)	56	220	502	282
New Jersey:								
1933	5	17	134	38	161	172	505	333
1931	6	(⁴)	126	(⁴)	175	227	618	392
New York:								
1933	34	173	1,363	365	1,594	2,800	6,873	4,073
1931	34	(⁴)	1,355	(⁴)	1,885	2,802	7,405	4,603
North Carolina:								
1933	8	21	190	36	134	330	806	477
1931	8	(⁴)	188	(⁴)	176	430	965	536
Ohio:								
1933	35	270	1,695	496	1,636	4,179	9,219	5,040
1931	36	(⁴)	1,593	(⁴)	1,932	4,895	11,935	7,041
Oklahoma:								
1933	5	6	53	7	38	138	294	157
Oregon:								
1933	3	9	91	13	96	163	429	266
Pennsylvania:								
1933	30	169	1,913	397	1,873	3,571	8,481	4,910
1931	31	(⁴)	1,814	(⁴)	2,198	3,350	8,972	5,622
South Carolina:								
1933	4	10	134	10	68	165	330	165
1931	4	(⁴)	130	(⁴)	80	144	282	138
Tennessee:								
1933	12	31	312	48	230	463	947	484
1931	11	(⁴)	339	(⁴)	297	553	1,332	780
Texas:								
1933	12	37	296	72	275	659	1,421	762
1931	12	(⁴)	276	(⁴)	294	593	1,664	1,072
Virginia:								
1933	7	13	58	26	55	148	312	164
1931	8	(⁴)	66	(⁴)	77	185	397	211
Washington:								
1933	8	14	97	25	102	188	484	296
1931	9	(⁴)	114	(⁴)	133	283	631	348
West Virginia:								
1933	5	8	62	5	67	112	248	137
1931	4	(⁴)	67	(⁴)	81	214	397	183
Wisconsin:								
1933	9	53	304	75	262	675	1,496	821
1931	9	(⁴)	356	(⁴)	367	805	1,985	1,180
Other States: ⁵								
1933	17	101	533	160	449	1,123	2,331	1,208
1931	33	(⁴)	801	(⁴)	842	1,735	4,287	2,553

¹ Not including proprietors and firm members, as follows: 1933, 133; 1931, no data; 1929, 154; 1927, 130.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ No data.

⁵ Figures for 1931 included in those for "Other States" to avoid disclosing approximations of data for individual establishments.

⁶ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Conn., 1931, 4; Ky., 5, 5; La., 2, 3; Md. (1931), 3; Miss., 2, 2; N. H., 3, 4; N. Mex., 1, 2; Okla. (1931), 2; Ore. (1931), 3; R. I., 1, 1; Utah, 1, 2; Vt., 2, 2.

TABLE 2.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
United States.....	11,638	11,809	12,503	12,852	12,279	11,808	11,744	11,805
<i>States</i>								
Alabama.....	162	156	161	172	163	150	157	160
Arkansas.....	82	84	88	87	77	88	79	78
California.....	283	271	326	338	369	352	348	360
Colorado.....	43	47	51	51	38	39	39	38
Connecticut.....	42	41	45	50	30	31	28	31
Florida.....	61	57	58	58	35	34	34	35
Georgia.....	203	213	220	213	205	201	189	194
Illinois.....	1,323	1,334	1,433	1,437	1,370	1,271	1,249	1,266
Indiana.....	585	569	599	638	630	607	600	608
Iowa.....	243	246	252	256	278	274	278	278
Kansas.....	73	70	82	59	78	68	66	68
Kentucky.....	107	105	111	107	120	109	118	111
Maine.....	67	64	67	70	62	67	48	55
Maryland.....	106	107	104	111	129	116	113	113
Massachusetts.....	408	436	400	416	406	382	381	392
Michigan.....	390	418	444	441	469	447	417	423
Minnesota.....	171	172	194	184	167	169	166	162
Missouri.....	519	501	483	499	510	491	470	471
Nebraska.....	37	34	39	41	57	56	49	50
New Hampshire.....	176	173	178	186	110	107	108	128
New Jersey.....	130	135	131	138	128	126	122	126
New York.....	1,347	1,281	1,398	1,464	1,399	1,342	1,345	1,327
North Carolina.....	189	185	187	203	191	193	189	182
Ohio.....	1,445	1,647	1,749	1,938	1,665	1,557	1,570	1,573
Oklahoma.....	53	47	60	61	(²)	(²)	(²)	(²)
Oregon.....	91	91	90	90	93	92	93	86
Pennsylvania.....	1,887	1,884	1,924	1,951	1,819	1,789	1,804	1,837
South Carolina.....	129	147	126	136	130	129	126	129
Tennessee.....	294	293	331	339	336	333	341	336
Texas.....	281	277	307	316	279	280	281	273
Virginia.....	59	54	58	58	65	67	67	64
Washington.....	86	87	113	102	123	110	106	110
West Virginia.....	55	54	74	68	75	62	65	64
Wisconsin.....	275	285	362	311	344	345	372	355

¹ See secs. 5, p. 4, and 13, p. 8. The 313 establishments canvassed with the standard schedule reported wage earners, by months, as follows:

January.....	11,452	May.....	11,193	September.....	11,930
February.....	11,552	June.....	11,263	October.....	11,902
March.....	11,120	July.....	11,364	November.....	11,956
April.....	11,271	August.....	11,879	December.....	12,245

² Withheld to avoid disclosing data for individual establishments.

CORK PRODUCTS; EXCELSIOR; WOOD TURNED AND SHAPED AND OTHER WOODEN GOODS

[Preliminary reports for these industries were issued June 14, 1934, and subsequent dates]

Description of the industries.—The “Cork products” industry embraces establishments engaged primarily in the manufacture of cork stoppers and bottle closures; cork board, cork pipe covering, molded cork fittings, ground cork, cork lagging, and other cork insulation products; cork tiling and flooring; and disks, gaskets, life preservers, mooring buoys, and other cork specialties.

The establishments assigned to the “Excelsior” industry are those whose major products are wood excelsior, wood wool, and excelsior pads and wrappers.

The establishments in the “Wood turned and shaped and other wooden goods” industry are engaged primarily in turning and shaping wood and in manufacturing wood handles, furniture turnings and shapes, textile-machinery turnings and shapes, and vehicle stock; rough-turned toys, toy parts, and novelties; turned and shaped woodenware, including wood dishes, skewers, clothes-pins, and clothes bars; ladders and scaffolding equipment; and miscellaneous turned and shaped wooden products.

Extent of coverage.—The 1933 coverage of the establishments reporting in these industries for 1931 was substantially complete. One such establishment in the “Cork products” industry, 1 in the “Excelsior” industry, and 24 in the “Wood turned and shaped and other wooden goods” industry failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, but the amounts of employment and production accounted for by these establishments in 1931 were insignificant, in no case exceeding one percent and in some cases falling below one-half of one percent of the respective industry totals.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

	Number of establishments	Number of salaried employes ^{1, 2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars.</i> (See sec. 25, p. 13)								
CORK PRODUCTS								
<i>United States</i>								
1933.....	30	262	2,797	470	2,168	5,277	11,604	6,327
1931.....	31	(⁵)	3,018	(⁵)	3,027	6,617	14,877	8,260
1929.....	35	411	3,842	903	4,209	12,603	23,023	10,421
1927.....	27	373	3,185	874	3,560	9,395	17,369	7,974
EXCELSIOR								
<i>United States</i>								
1933.....	50	69	809	108	432	863	2,004	1,231
1931.....	61	(⁵)	927	(⁵)	683	1,412	2,983	1,571
1929.....	66	96	1,241	272	1,219	2,440	5,009	2,569
1927.....	64	119	1,272	313	1,181	2,547	4,821	2,274
WOOD TURNED AND SHAPED AND OTHER WOODEN GOODS, NOT ELSEWHERE CLASSIFIED								
<i>United States</i>								
1933.....	580	1,285	15,500	1,795	10,147	17,746	41,523	23,777
1931.....	719	(⁵)	17,020	(⁵)	14,602	23,907	55,710	31,804
1929.....	894	2,200	18,712	5,567	18,617	28,429	69,620	41,191
1927.....	748	1,829	15,937	4,370	16,393	26,064	60,530	34,466
<i>States⁷</i>								
Arkansas:								
1933.....	20	60	1,042	85	600	1,034	2,477	1,442
1931.....	25	(⁵)	913	(⁵)	674	1,037	2,674	1,638
California:								
1933.....	21	27	147	32	124	174	497	322
1931.....	31	(⁵)	180	(⁵)	192	304	737	433
Connecticut:								
1933.....	7	10	83	13	55	102	222	120
1931.....	12	(⁵)	96	(⁵)	94	167	353	187
Illinois:								
1933.....	26	54	475	65	378	495	1,337	842
1931.....	36	(⁵)	694	(⁵)	717	1,120	2,784	1,665
Indiana:								
1933.....	21	54	503	66	297	564	1,440	877
1931.....	25	(⁵)	611	(⁵)	449	660	1,615	964
Iowa:								
1933.....	5	12	57	13	37	63	167	104
1931.....	6	(⁵)	78	(⁵)	71	133	272	140
Kentucky:								
1933.....	8	21	244	25	153	305	680	376
1931.....	11	(⁵)	771	(⁵)	710	1,091	2,533	1,441
Maine:								
1933.....	54	119	1,749	186	1,229	1,389	4,126	2,738
1931.....	59	(⁵)	1,744	(⁵)	1,638	2,049	4,942	2,893
Maryland:								
1933.....	3		76		51	29	91	62
1931.....	6	(⁵)	92	(⁵)	57	62	163	101
Massachusetts:								
1933.....	35	40	618	61	503	831	1,960	1,128
1931.....	44	(⁵)	585	(⁵)	565	759	1,884	1,125
Michigan:								
1933.....	33	82	1,009	102	644	891	2,204	1,313
1931.....	41	(⁵)	1,063	(⁵)	933	1,171	3,054	1,883
Mississippi:								
1933.....	4	6	83	8	48	46	123	77
1931.....	5	(⁵)	104	(⁵)	67	76	187	111
Missouri:								
1933.....	19	23	301	33	176	296	691	395
1931.....	19	(⁵)	187	(⁵)	143	227	562	335
New Hampshire:								
1933.....	20	26	467	43	345	336	923	587
1931.....	23	(⁵)	431	(⁵)	404	432	1,071	639

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

	Number of establishments	Number of salaried employees ^{1,2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars. (See sec. 25, p. 13)</i>								
WOOD TURNED AND SHAPED AND OTHER WOODEN GOODS, NOT ELSEWHERE CLASSIFIED—CON.								
<i>States¹—Continued</i>								
New Jersey:								
1933.....	15	14	139	17	97	252	469	217
1931.....	19	(⁴)	130	(⁵)	145	348	679	331
New York:								
1933.....	54	83	901	154	762	1,209	2,983	1,774
1931.....	85	(⁴)	1,099	(⁵)	1,194	1,578	4,242	2,664
North Carolina:								
1933.....	14	23	257	26	117	241	538	297
1931.....	18	(⁴)	240	(⁵)	128	156	418	262
Ohio:								
1933.....	40	152	1,008	182	681	1,504	3,298	1,794
1931.....	47	(⁴)	1,051	(⁵)	893	1,621	3,793	2,172
Oregon:								
1933.....	7	13	101	21	64	163	289	126
1931.....	8	(⁴)	77	(⁵)	82	179	363	184
Pennsylvania:								
1933.....	36	87	968	109	650	898	2,185	1,287
1931.....	48	(⁴)	994	(⁵)	871	1,120	2,700	1,580
Rhode Island:								
1933.....	7	10	121	12	65	106	222	116
1931.....	7	(⁴)	184	(⁵)	146	166	412	246
Tennessee:								
1933.....	33	157	2,562	224	1,486	3,333	7,126	3,793
1931.....	35	(⁴)	3,218	(⁵)	2,501	5,721	12,216	6,494
Texas:								
1933 ⁶	3	2	31	(⁵)	12	21	36	15
Vermont:								
1933.....	37	43	671	65	452	871	1,922	1,050
1931.....	43	(⁴)	734	(⁵)	578	884	2,031	1,147
Virginia:								
1933.....	12	38	372	53	194	289	700	411
1931.....	10	(⁴)	431	(⁵)	260	307	798	490
Washington:								
1933.....	12	42	332	65	275	1,130	2,077	948
1931.....	11	(⁴)	184	(⁵)	205	1,018	1,489	471
Wisconsin:								
1933.....	12	24	193	35	120	176	493	317
1931.....	11	(⁴)	119	(⁵)	110	175	447	271
Other States:¹⁰								
1933.....	22	63	989	102	533	997	2,246	1,249
1931.....	34	(⁴)	1,010	(⁵)	775	1,344	3,291	1,946

¹ Not including proprietors and firm members, as follows: "Cork products" industry—1933, 8; 1931, no data; 1929, 12; 1927, 4. "Excelsior" industry—1933, 22; 1931, no data; 1929, 54; 1927, 42. "Wood turned and shaped," etc., industry—1933, 291; 1931, no data; 1929, 587; 1927, 443.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ Includes \$1,163,388, value of miscellaneous products not normally belonging to the industry, but does not include \$200,339, value of cork products made as secondary products in other industries. The total values of cork products made in 1933, regardless of the industry classification of the establishments by which manufactured, were as follows: Cork stoppers, \$2,826,146; cork insulation products, \$4,980,719; cork specialties, \$2,833,966.

⁵ No data.

⁶ Includes \$158,491, value of miscellaneous products not normally belonging to the industry, but does not include \$25,018, value of excelsior and excelsior products made as secondary products in other industries. The production of excelsior and excelsior products in 1933, regardless of the industry classification of the establishments by which manufactured, was as follows: Excelsior, \$1,005,659, of which \$861,145 represents value of 59,058 tons (tonnage not reported for remainder); pads and wrappers, \$819,108; excelsior and excelsior pads and wrappers not reported separately, \$135,946.

⁷ See sec. 20, p. 13.

⁸ Figures for 1931 withheld to avoid disclosing approximations of data for individual establishments; included in items for "Other States."

⁹ Withheld to avoid disclosing compensation of individual employees; included in figure for "Other States."

¹⁰ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 2, 1; Del., 1, 2; Fla., 2, 1; Ga., 2, 4; La., 4, 5; Minn., 2, 6; Nebr., 1, 2; Okla., 1, 2; S. C., 4, 5; Tex. (1931), 3; W. Va., 3, 3.

TABLE 2.—WOOD TURNED AND SHAPED AND OTHER WOODEN GOODS—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 23, p. 13]

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
United States.....	12, 335	14, 836	13, 517	17, 512	19, 180	17, 020	14, 462	16, 244
<i>States</i>								
Arkansas.....	675	978	1, 431	1, 569	1, 152	1, 023	573	752
California.....	119	173	160	134	169	203	179	149
Connecticut.....	65	79	99	91	102	93	94	89
Illinois.....	371	405	649	550	719	669	690	672
Indiana.....	440	433	577	485	618	540	590	680
Iowa.....	60	43	56	56	82	79	76	78
Kentucky.....	129	196	350	314	1, 046	758	451	730
Louisiana.....	252	268	323	327	160	154	115	135
Maine.....	1, 672	1, 576	2, 012	1, 897	1, 982	1, 695	1, 639	1, 717
Maryland.....	70	68	88	79	90	82	90	99
Massachusetts.....	380	619	847	620	620	618	528	507
Michigan.....	747	948	1, 239	1, 097	1, 237	1, 060	987	1, 013
Mississippi.....	74	62	96	110	85	112	105	100
Missouri.....	213	252	367	403	225	167	171	178
New Hampshire.....	376	477	571	528	464	448	425	395
New Jersey.....	89	139	130	135	131	121	128	126
New York.....	763	783	1, 074	1, 036	1, 139	1, 054	1, 087	1, 063
North Carolina.....	200	250	331	246	243	264	246	214
Ohio.....	753	1, 009	1, 183	1, 154	1, 101	1, 123	948	1, 019
Oregon.....	91	105	107	99	72	72	78	74
Pennsylvania.....	715	910	1, 222	1, 009	1, 024	1, 023	923	1, 010
Rhode Island.....	138	134	106	92	198	204	170	155
South Carolina.....	38	44	56	76	69	58	55	69
Tennessee.....	2, 005	2, 635	2, 919	2, 881	4, 040	3, 072	2, 063	3, 058
Texas.....	23	25	29	48	35	25	41	9
Vermont.....	506	668	870	701	785	759	719	655
Virginia.....	310	453	385	442	431	460	421	403
Washington.....	259	337	291	462	158	160	155	342
West Virginia.....	265	219	327	259	226	228	225	217
Wisconsin.....	169	186	188	220	140	126	113	85

¹ See secs. 5, p. 4, and 13, p. 8. The 433 establishments canvassed with the standard schedule reported wage earners, by months, as follows:

January.....	12, 273	May.....	12, 571	September.....	17, 192
February.....	11, 894	June.....	13, 893	October.....	16, 476
March.....	11, 475	July.....	15, 323	November.....	16, 556
April.....	12, 107	August.....	16, 784	December.....	16, 310

FURNITURE, INCLUDING STORE AND OFFICE FIXTURES

[A preliminary report for this industry was issued under date of Oct. 24, 1934]

Description of the industry.—This industry embraces establishments engaged in the manufacture of furniture of wood, metal, fiber, reed, rattan, and willow. Statistics are presented for four general classes, as follows:

(1) Household furniture.—Furniture commonly used in dwellings, including hammocks and sewing-machine cases and cabinets.

(2) Furniture and fixtures for offices and stores, including lockers, shelving, partitions, window backs, etc.

(3) Professional, laboratory, hospital, barber, and beauty-parlor chairs, tables, cots, etc.

(4) Furniture for public buildings.—Furniture for schools, theaters, assembly halls, and churches, and seats for public conveyances.

Extent of coverage.—As the result of a variety of causes beyond the Bureau's control, including the numerous industrial changes which were taking place during the period, the census coverage of this industry was somewhat, but not seriously, incomplete. Of the 3,148 establishments that reported for 1931, 219 failed to supply any information in regard to their status (active, idle, etc.), or activities in 1933; but these establishments accounted for only 1.2 percent of the total number of wage earners and 2.8 percent of the total value of products reported for this industry for 1931.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1 2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars.</i> (See sec. 25, p. 13)								
<i>United States</i>								
1933.....	2,411	11,372	105,488	16,043	76,346	142,587	297,730	155,143
1931.....	3,148	(⁴)	127,605	(⁴)	125,972	217,896	482,289	264,393
1929.....	3,778	24,517	193,309	70,848	242,832	426,454	948,116	521,662
1927.....	3,228	22,537	188,143	61,189	238,240	392,099	885,204	493,106
<i>States</i>								
Alabama:								
1933.....	5	11	125	11	74	167	309	142
1931.....	10	(⁴)	186	(⁴)	135	231	547	316
Arkansas:								
1933.....	12	101	1,322	145	820	2,201	3,977	1,636
1931.....	12	(⁴)	1,286	(⁴)	923	2,173	4,065	1,892
California:								
1933.....	206	550	4,083	810	3,393	6,127	13,188	7,060
1931.....	272	(⁴)	5,589	(⁴)	6,717	12,199	25,143	12,944

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ^{1,2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars.</i> (See sec. 25, p. 13)								
<i>States—Continued</i>								
Colorado:								
1933.....	11	17	127	18	107	315	550	235
1931.....	17	(¹)	244	(¹)	280	684	1,372	688
Connecticut:								
1933.....	24	62	435	88	377	784	1,600	816
1931.....	27	(¹)	905	(¹)	1,060	1,511	3,500	1,990
Florida:								
1933.....	11	19	143	25	118	143	399	255
1931.....	11	(¹)	142	(¹)	128	140	403	264
Georgia:								
1933.....	25	76	1,279	96	676	1,311	2,659	1,348
1931.....	35	(¹)	1,535	(¹)	1,046	2,525	4,623	2,098
Illinois:								
1933.....	243	1,284	10,055	1,891	7,954	13,146	28,782	15,636
1931.....	315	(¹)	12,069	(¹)	13,066	20,732	47,367	26,634
Indiana:								
1933.....	128	828	8,722	1,143	5,747	10,634	21,269	10,635
1931.....	159	(¹)	11,013	(¹)	8,833	16,432	32,659	16,227
Iowa:								
1933.....	18	70	521	102	371	806	1,557	751
1931.....	23	(¹)	916	(¹)	820	1,535	2,898	1,363
Kansas:								
1933.....	7	21	179	34	130	226	419	193
1931.....	12	(¹)	314	(¹)	237	492	846	354
Kentucky:								
1933.....	28	136	1,416	160	902	1,840	3,533	1,693
1931.....	35	(¹)	1,320	(¹)	1,098	2,024	4,039	2,015
Louisiana:								
1933.....	10	36	430	59	224	404	964	560
1931.....	15	(¹)	464	(¹)	350	693	1,561	868
Maine:								
1933.....	6	18	195	35	164	220	669	449
1931.....	11	(¹)	369	(¹)	407	525	1,182	658
Maryland:								
1933.....	42	115	1,042	153	891	1,602	3,322	1,720
1931.....	57	(¹)	1,433	(¹)	1,507	2,449	5,517	3,068
Massachusetts:								
1933.....	181	494	5,357	700	4,684	7,175	15,497	8,323
1931.....	204	(¹)	6,153	(¹)	7,051	10,542	24,144	13,602
Michigan:								
1933.....	128	1,088	9,026	1,440	6,050	10,369	23,330	12,961
1931.....	165	(¹)	11,486	(¹)	11,336	15,919	42,721	26,802
Minnesota:								
1933.....	37	124	937	172	736	1,585	3,236	1,651
1931.....	50	(¹)	1,423	(¹)	1,516	3,120	6,264	3,144
Mississippi:								
1933.....	3	2	16	1	10	15	34	19
1931.....	4	(¹)	145	(¹)	82	161	345	184
Missouri:								
1933.....	54	226	1,619	290	1,241	2,839	5,380	2,540
1931.....	83	(¹)	1,881	(¹)	1,986	3,733	7,792	4,058
Nebraska:								
1933.....	12	30	217	41	175	470	934	465
1931.....	12	(¹)	258	(¹)	292	661	1,407	747
New Hampshire:								
1933.....	20	42	669	45	475	646	1,375	728
1931.....	26	(¹)	669	(¹)	670	962	2,184	1,222
New Jersey:								
1933.....	47	204	1,371	318	1,381	2,371	5,269	2,809
1931.....	70	(¹)	1,624	(¹)	2,134	3,673	8,526	4,854
New York:								
1933.....	484	2,084	13,158	2,938	12,149	24,100	50,363	26,263
1931.....	666	(¹)	18,291	(¹)	23,031	39,316	90,247	50,931
North Carolina:								
1933.....	101	572	11,809	858	6,790	13,249	26,625	13,376
1931.....	116	(¹)	12,278	(¹)	7,970	17,157	33,820	16,663

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>States—Continued</i>								
Ohio:								
1933.....	128	1,066	6,167	1,519	4,637	8,821	18,332	9,511
1931.....	163	(4)	7,158	(4)	7,682	14,286	32,248	17,962
Oregon:								
1933.....	19	80	2,006	132	1,442	2,391	5,119	2,729
1931.....	29	(4)	1,696	(4)	1,899	2,844	6,219	3,375
Pennsylvania:								
1933.....	200	732	7,023	1,068	5,131	8,949	19,280	10,331
1931.....	245	(4)	8,526	(4)	9,074	14,082	31,709	17,626
Rhode Island:								
1933.....	4	4	75	5	58	173	268	95
1931.....	7	(4)	157	(4)	165	373	658	285
South Carolina:								
1933.....	7	25	422	39	176	613	1,099	486
1931.....	7	(4)	349	(4)	160	485	1,084	599
Tennessee:								
1933.....	25	101	1,571	138	833	1,640	3,335	1,695
1931.....	35	(4)	1,854	(4)	1,300	2,439	4,866	2,427
Texas:								
1933.....	26	113	910	141	602	1,088	2,488	1,401
1931.....	36	(4)	999	(4)	812	1,537	3,305	1,768
Vermont:								
1933.....	7	41	427	57	283	334	948	614
1931.....	11	(4)	718	(4)	602	594	1,813	1,219
Virginia:								
1933.....	39	270	6,559	413	3,498	8,658	16,251	7,623
1931.....	49	(4)	6,483	(4)	4,543	11,135	22,907	11,771
Washington:								
1933.....	33	94	999	110	683	1,141	2,553	1,412
1931.....	47	(4)	1,119	(4)	1,059	1,707	3,925	2,218
West Virginia:								
1933.....	4	6	64	4	31	95	198	103
1931.....	9	(4)	600	(4)	498	981	1,679	698
Wisconsin:								
1933.....	69	600	4,835	755	3,134	5,431	11,803	6,372
1931.....	90	(4)	5,808	(4)	5,350	7,587	18,078	10,491
Other States: ⁴								
1933.....	7	30	176	38	137	421	787	367
1931.....	13	(4)	145	(4)	182	257	624	357

¹ Not including proprietors and firm members, as follows: 1933, 957; 1931, no data; 1929, 1,883; 1927, 1,576.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ No data.

⁵ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ariz., 0, 2; Del., 0, 1; D. C., 1, 1; Idaho, 0, 1; Mont., 1, 1; Okla., 3, 4; Utah, 2, 3.

TABLE 2.—FURNITURE AND STORE AND OFFICE FIXTURES—PRODUCTION, BY KIND, MATERIAL, AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

[The value of furniture and store and office fixtures made as secondary products in other industries, as reported for 1929, was not distributed among the several items for that year, and therefore these items are not strictly comparable with those for later years]

KIND	VALUE		
	1933	1931	1929
1. Furniture, including store and office fixtures industry, all products, total value.....	\$297,720,981	\$482,280,230	\$948,110,358
2. Furniture and store and office fixtures made in the industry.....	286,223,172	462,094,181	912,942,006
3. Other products (not normally belonging to the industry). Receipts for contract, custom, and repair work.....	10,842,881 668,928	18,612,143 1,582,903	20,629,391 5,544,361
5. Furniture and store and office fixtures made as secondary products in other industries.....	13,850,550	22,521,791	32,530,649
Furniture and store and office fixtures, aggregate value (2 and 5).....	300,073,722	484,615,972	945,472,655
Wood.....	252,696,685	402,427,526	781,195,409
Metal.....	44,650,364	74,350,127	113,360,036
Fiber.....	2,720,673	7,838,319	18,386,561
Not reported by kind (see item 5, above).....			32,530,649
Household furniture, total.....	235,308,639	350,979,529	659,023,309
Wood.....	212,211,065	316,785,173	611,680,810
Metal.....	20,399,923	26,792,089	30,443,464
Fiber.....	2,697,651	7,402,267	16,899,035
Furniture and fixtures for offices and stores, total.....	46,857,064	91,405,456	193,358,849
Wood and fiber.....	28,994,339	61,768,964	135,848,543
Metal.....	17,862,725	29,646,492	57,510,300
Office furniture, total.....	17,600,521	34,258,338	75,664,067
Wood and fiber.....	6,997,080	16,372,070	(1)
Metal.....	10,603,441	17,885,668	(1)
Chairs, total.....	2,412,642	4,881,532	12,254,558
Wood and fiber.....	2,066,788	4,385,570	(1)
Metal.....	345,854	495,953	(1)
Desks and tables, total.....	3,892,989	7,906,680	21,353,902
Wood and fiber.....	2,562,744	6,236,637	17,952,356
Metal.....	1,330,245	1,670,043	3,401,546
Filing cabinets and cases, total.....	6,904,489	14,209,875	19,312,164
Wood.....	639,781	2,593,724	2,341,174
Metal.....	6,264,708	11,616,151	16,970,990
Other office furniture and such furniture not reported in detail, total.....	4,390,401	7,260,251	22,743,443
Wood and fiber.....	1,727,767	3,156,730	12,292,757
Metal.....	2,662,634	4,103,521	10,450,686
Store and lunch-room furniture and fixtures, total.....	29,256,543	57,147,118	117,694,782
Wood and fiber.....	21,997,259	45,386,104	91,007,698
Metal.....	7,259,284	11,760,824	26,687,084
Shelving, total.....	4,602,830	7,917,159	17,139,990
Wood.....	1,701,038	3,152,009	5,305,065
Metal.....	2,901,792	4,765,150	11,831,925
Counters, tables, partitions, window backs, show cases, wall cases, and cabinets, total.....	6,539,242	26,477,167	62,795,658
Wood and fiber.....	5,344,884	23,852,901	58,907,604
Metal.....	1,194,358	2,624,266	3,888,054
Chairs and stools, total.....	1,373,947	1,698,726	1,595,547
Wood and fiber.....	1,122,537	1,395,793	1,416,932
Metal.....	251,410	302,933	178,615
Display fixtures, total.....	3,697,060	6,059,605	(1)
Wood and fiber.....	2,097,943	3,998,137	(1)
Metal.....	1,599,117	2,061,418	(1)
Other store and lunch-room furniture and fixtures and such furniture and fixtures not reported in detail, total.....	13,043,464	14,994,461	36,166,587
Wood and fiber.....	11,730,857	12,987,404	25,378,097
Metal.....	1,312,607	2,007,057	10,788,490

For footnote, see end of table.

TABLE 2.—FURNITURE AND STORE AND OFFICE FIXTURES—PRODUCTION, BY KIND, MATERIAL, AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929—Continued

[See note at head of table]

KIND	VALUE		
	1933	1931	1929
Professional, laboratory, hospital, barber, and beauty-parlor chairs, tables, cots, etc., total.....	\$4,554,351	\$10,044,099	\$14,283,174
Wood and fiber.....	1,779,403	3,873,290	6,454,070
Metal.....	2,774,948	6,170,809	7,829,104
Furniture for public buildings (schools, theaters, assembly halls, churches, libraries, etc.) and seats for public conveyances, total.....	9,089,880	29,045,042	41,043,744
Wood and fiber.....	7,062,845	20,433,353	28,691,233
Metal.....	2,027,035	8,611,689	12,352,511
Lockers, total.....	1,148,697	3,141,846	5,232,930
Wood.....		12,798	8,279
Metal.....	1,148,697	3,129,048	5,224,651
Not reported by class, total.....	3,115,091		32,530,649
Wood and fiber.....	2,678,055		
Metal.....	437,036		

¹ Not reported separately; included in figures for "Other store and lunch-room furniture and fixtures and such furniture and fixtures not reported in detail."

TABLE 3.—WOOD HOUSEHOLD FURNITURE—PRODUCTION, BY KIND AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

KIND	1933	1931	1929 ¹
Aggregate value.....	\$212,211,065	\$316,785,173	\$611,680,810
Living-room and library, total.....	91,276,112	155,002,504	325,246,345
Suites, upholstered.....	49,938,807	74,911,151	180,938,517
Suites, davenport, sofas, day beds, etc., not upholstered.....	560,634	979,064	6,782,364
Davenport, sofas, day beds, etc., upholstered.....	5,550,964	16,973,028	25,378,594
Chairs and rockers:			
Upholstered.....	9,025,070	14,195,823	80,235,987
Not upholstered.....	1,148,155	2,226,056	5,679,433
Cabinets:			
Radio and phonograph.....	6,756,359	12,600,585	69,551,079
Sewing-machine.....	1,890,326	1,760,416	6,491,423
Other and not specified.....	154,956	696,159	3,384,833
Tables.....	5,574,901	11,610,336	21,994,918
Desks.....	1,331,285	2,734,018	7,122,952
Bookcases and secretaries.....	1,938,752	3,348,950	17,686,245
Other living-room and library furniture and such furniture not reported in detail.....	7,405,903	12,966,858	
Bedroom, total.....	58,401,441	79,689,246	139,774,965
Suites.....	39,125,206	50,126,096	75,493,637
Beds.....	3,694,476	6,558,258	13,356,179
Dressers, vanity dressers, and dressing tables.....	5,742,175	7,085,168	18,344,961
Chiffoniers, chifforobes, wardrobes, and chifforettes.....	2,902,775	4,504,663	12,522,507
Cedar chests.....	2,129,094	3,783,448	7,358,647
Chairs and benches.....	1,565,395	3,287,904	6,099,339
Cribs.....	743,693	2,231,780	2,206,200
Other bedroom furniture and such furniture not reported in detail.....	2,508,627	2,111,929	4,388,405
Dining room, total.....	33,574,091	47,319,256	88,551,571
Suites.....	18,221,977	23,117,808	43,502,301
Chairs:			
Upholstered.....	2,670,299	3,565,686	15,932,399
Not upholstered.....	1,997,175	4,908,338	10,638,570
Breakfast sets (enameled and unfinished).....	5,642,813	6,604,482	9,857,781
Buffets, china closets, and servers.....	2,271,311	4,738,033	7,720,397
Tables.....	1,869,427	3,611,025	
Other dining-room furniture and such furniture not reported in detail.....	901,089	773,884	1,200,033

For footnotes, see end of table.

TABLE 3.—WOOD HOUSEHOLD FURNITURE—PRODUCTION BY KIND AND VALUE FOR THE UNITED STATES: 1933, 1931, AND 1929—Continued

KIND	1933	1931	1929 ¹
Kitchen, total.....	\$7,237,326	\$11,794,206	\$21,123,010
Cabinets.....	3,020,333	4,479,092	10,658,641
Chairs and stools.....	2,111,442	3,463,196	5,609,813
Tables.....	1,369,009	2,159,054	3,885,678
Other kitchen furniture and such furniture not reported in detail.....	736,542	1,692,864	908,884
Porch.....	1,531,434	2,439,512	3,878,449
Camp, total.....	1,396,094	2,246,923	3,335,878
Chairs and tables, folding.....	761,991	1,300,380	(²)
Cots.....	441,002	456,546	(²)
Other camp furniture and such furniture not reported in detail.....	194,001	399,997	(²)
Hall.....	129,211	856,843	1,390,460
Juvenile.....	1,658,054	(³)	(⁴)
Miscellaneous and not specified.....	17,006,402	17,436,683	28,380,126

¹ Figures for 1929 do not include values of furniture made as a secondary product in other industries. (See headnote and item 5, table 2.)

² Radio cabinets only.

³ Figures not available.

⁴ Not reported separately.

TABLE 4.—METAL HOUSEHOLD FURNITURE—PRODUCTION, BY KIND AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

KIND	1933	1931	1929 ¹
Aggregate.....	\$20,399,923	\$26,792,089	\$30,443,464
Bedroom, total.....	6,922,910	14,041,924	17,344,113
Beds.....	4,634,228	10,222,529	10,995,816
Cribs.....	39,514	415,756	499,539
Other bedroom furniture and such furniture not reported in detail.....	2,249,168	3,403,639	5,848,708
Living-room and library, total.....	7,236,346	3,010,202	3,350,128
Davenports, sofas, day beds, etc.....	6,558,414	1,641,701	2,397,360
Other living-room and library furniture and such furniture not reported in detail.....	677,932	1,368,501	952,768
Kitchen, total.....	663,290	1,293,013	2,421,908
Cabinets.....	514,312	750,803	977,722
Tables.....	19,142	4,162	174,087
Other kitchen furniture and such furniture not reported in detail.....	129,836	538,048	1,270,099
Porch, total.....	2,626,486	3,137,174	2,347,303
Gliders.....	2,182,392	1,704,395	(²)
Other porch furniture.....	444,094	1,432,779	(²)
Camp, total.....	672,120	2,435,069	507,077
Chairs and tables, folding.....	112,673	133,662	203,317
Other camp furniture and such furniture not reported in detail.....	559,447	2,301,407	303,760
Other and not specified.....	2,278,771	2,874,707	4,472,935

¹ Figures for 1929 do not include values of furniture made as a secondary product in other industries. (See headnote and item 5, table 2.)

² Not reported separately.

TABLE 5.—FIBER, RATTAN, REED, AND WILLOW HOUSEHOLD FURNITURE—
PRODUCTION, BY KIND AND VALUE, FOR THE UNITED STATES: 1933, 1931,
AND 1929

KIND	1933	1931	1929 ¹
Aggregate.....	\$2,697,651	\$7,402,267	\$16,899,035
Living-room and library, total.....	1,197,559	5,310,645	12,523,886
Suites:			
Upholstered.....	485,400	3,045,113	7,383,904
Not upholstered.....	102,493	236,492	602,045
Chairs and rockers:			
Upholstered.....	360,103	855,383	2,400,720
Not upholstered.....	54,816	153,850	460,802
Davenport, sofas, daybeds, etc.....	86,325	716,360	1,243,873
Tables.....	31,000	83,329	269,444
Desks.....	925	34,316	62,311
Other living-room and library furniture and such furniture not reported in detail.....	76,497	185,802	100,787
Porch.....	737,248	1,628,972	3,076,045
Dining room.....	13,608	64,239	57,423
Bedroom.....	6,253	35,067	31,468
Juvenile.....	83,912	(²)	(²)
Other and not specified.....	669,071	363,344	1,210,213

¹ Figures for 1929 do not include values of furniture made as a secondary product in other industries (See headnote and item 5, table 2.)

² Not reported separately.

TABLE 6.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND
1931

The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sen-
tence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933 ¹				1931			
	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
United States.....	63,332	102,203	130,569	110,880	131,316	125,923	130,920	118,536
<i>States</i>								
Alabama.....	91	115	155	131	235	161	211	158
Arkansas.....	1,137	1,447	1,054	1,143	1,228	1,346	1,389	1,205
California.....	3,291	3,986	5,097	4,008	5,699	5,243	5,694	5,143
Colorado.....	101	117	161	127	289	253	221	206
Connecticut.....	374	440	512	420	911	910	912	881
Florida.....	141	119	131	202	140	129	123	177
Georgia.....	1,071	1,281	1,529	1,339	1,633	1,735	1,543	1,191
Illinois.....	7,573	9,471	12,347	11,829	13,302	11,787	11,851	11,007
Indiana.....	5,776	8,158	11,377	9,702	11,096	10,592	12,102	9,845
Iowa.....	415	521	631	537	1,114	1,135	801	671
Kansas.....	143	179	218	221	318	300	305	285
Kentucky.....	985	1,317	2,058	1,406	1,265	1,446	1,460	1,151
Louisiana.....	387	418	500	417	469	495	473	433
Maine.....	122	193	212	286	356	343	409	378
Maryland.....	836	983	1,318	1,005	1,475	1,415	1,419	1,486
Massachusetts.....	4,324	5,193	6,423	5,667	6,494	6,046	6,232	5,738
Michigan.....	6,514	8,568	11,350	10,079	11,872	11,375	11,862	10,704
Minnesota.....	901	1,028	1,190	680	1,530	1,419	1,320	1,306
Mississippi.....	10	12	14	31	126	191	161	107
Missouri.....	1,342	1,581	2,087	1,490	2,005	1,878	1,867	1,710
Nebraska.....	222	235	233	186	281	264	287	204
New Hampshire.....	538	702	810	615	734	745	591	607
New Jersey.....	1,222	1,288	1,500	1,519	1,731	1,583	1,568	1,475
New York.....	11,113	12,788	15,115	14,571	18,930	17,595	18,298	17,613
North Carolina.....	9,733	11,348	14,129	12,033	11,789	12,122	13,121	11,615

For footnote, see end of table.

TABLE 6.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931—Continued

[See note at head of table]

	1933 ¹				1931			
	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
<i>States—Continued</i>								
Ohio.....	4, 675	5, 931	8, 074	6, 383	7, 705	7, 010	7, 045	6, 652
Oklahoma.....	78	98	121	94	33	22	38	30
Oregon.....	1, 177	2, 145	3, 005	1, 549	1, 622	1, 645	1, 850	1, 639
Pennsylvania.....	5, 407	6, 582	9, 006	7, 797	8, 198	8, 582	9, 155	7, 949
Rhode Island.....	71	67	73	78	162	148	148	162
South Carolina.....	517	448	519	316	339	356	362	332
Tennessee.....	1, 177	1, 497	2, 202	1, 526	1, 906	1, 802	1, 823	1, 812
Texas.....	820	867	1, 169	844	1, 037	1, 017	986	921
Vermont.....	432	387	542	434	723	678	735	748
Virginia.....	5, 638	6, 602	7, 959	6, 267	6, 322	6, 561	6, 977	5, 968
Washington.....	727	874	1, 817	1, 113	1, 167	1, 127	1, 194	952
West Virginia.....	55	62	67	75	647	603	576	555
Wisconsin.....	4, 121	5, 060	5, 664	4, 688	6, 313	5, 702	5, 705	5, 355

¹ See secs. 5, p. 4, and 13, p. 8. The 1,885 establishments canvassed with the standard schedule reported wage earners, by months, as follows:

January.....	83, 305	May.....	91, 151	September.....	126, 454
February.....	85, 431	June.....	98, 961	October.....	127, 546
March.....	80, 615	July.....	105, 402	November.....	118, 161
April.....	84, 014	August.....	116, 240	December.....	107, 141

LUMBER AND TIMBER PRODUCTS

[Preliminary reports for this industry were issued as follows: Lumber Cut of 539 Identical Mills, May 26, 1934; Lumber, Lath, and Shingles, November 2, 1934; Lumber and Timber Products, December 31, 1934]

The report for this industry is included in the series presenting the results of the biennial censuses of manufactures, and also in the annual series of lumber-production reports which have been published by the Bureau of the Census or by the Forest Service, Department of Agriculture, beginning with 1904.¹

Description of the industry.—Under the industry designation "Lumber and timber products" are classified logging camps; merchant sawmills; combined sawmills and planing mills,² including those engaged in the manufacture of boxes;² veneer mills; and cooperage-stock mills. Establishments engaged primarily in the manufacture of baskets and boxes are classified in their respective industries—"Baskets and rattan and willow ware, not including furniture," "Boxes, cigar, wooden," and "Boxes, wooden, except cigar boxes"—even though some of them produce veneers from logs or bolts. Data for the logs or bolts consumed in the manufacture of veneers by such establishments, and for the veneers produced either for their own consumption or for sale, so far as reported, are included in the figures for consumption of logs and production of veneers, in table 5, p. 249. Establishments engaged primarily in the manufacture of cooperage are classified in the "Cooperage" industry, regardless of whether they produce the cooperage stock used, but data for the cooperage stock (staves, heading, and hoops) produced, either for their own consumption or for sale, by manufacturers of cooperage are included in the figures for the production of tight and slack cooperage stock, as given in tables 6 and 7, pp. 249 and 250.

The principal products of logging camps are saw logs; shingle, stave, and heading bolts; hewn and round poles; mine timbers; spars; piling; fence posts; railway ties; and wheel, handle, and excelsior stock. The products of sawmills include rough lumber, shingles, lath, sawed railway ties, and cooperage, spool, pencil, penholder, and veneer stock. The principal planing-mill products are dressed lumber, sash, doors, blinds, interior woodwork, and moldings.

Veneers are cut into so many different thicknesses—ranging from less than one one hundred and twentieth of an inch to more than five-sixteenths of an inch—that it is difficult to obtain accurate data on the number of square feet made. Many manufacturers fail to supply the information because of lack of records. (See table 5, p. 249.)

The products of cooperage-stock mills are tight and slack staves, heading, and wooden hoops used by coopers in the manufacture of hogsheads, barrels, kegs, kits, and firkins. Containers for liquids are made from "tight-cooperage stock" and containers for solids from "slack-cooperage stock." (See tables 6 and 7, pp. 249 and 250.)

¹ The Forest Service, of the Department of Agriculture, cooperates in the Lumber and Timber Products canvass by collecting data in 12 Western States—namely, the Pacific Coast States, the Rocky Mountain States, and South Dakota—and in Alaska, and also cooperates in an advisory capacity in the compilation of all production statistics.

² Planing mills and box factories not operated in conjunction with sawmills are classified separately. (See pp. 251 and 220, respectively.)

Practically all the products of the establishments in this industry are used as materials for remanufacture by establishments in other industries—for example, the manufacture of furniture—or as building materials.

Establishments reporting products valued at less than \$5,000.—As explained elsewhere (see sec. 8*d*, p. 6), the censuses of manufactures are, in general, restricted to establishments reporting products valued at \$5,000 or more. For the "Lumber and timber products" industry this limitation applies with reference to the statistics for 1933 given in tables 1 and 8. At earlier censuses a mill which sawed 200,000 feet of lumber, 1,000,000 lath, or 2,500 squares of shingles was treated as an establishment with products valued at \$5,000. Tables 2 to 7, however, cover all mills which sawed 50,000 feet or more of lumber or its equivalent in lath (250,000) or in shingles (625 squares).

Number of establishments and number of mills.—The numbers of establishments shown in table 1 differ from the numbers of mills given in the headnote to table 3. These differences are due to three causes: (1) The establishments include independent logging camps; (2) the number of mills is the actual number of individual mills, whereas in some cases two or more mills operated under common ownership are counted as a single establishment; (3) the minimum production limit for mills is 50,000 feet of lumber or its equivalent, whereas the value-of-products minimum for establishments (for the purpose of collecting data for wage earners, wages, etc.) is \$5,000. (See "Establishments reporting products valued at less than \$5,000," above.)

Average values of lumber, by kinds of wood.—The average values shown by table 3 were based on returns from a majority of the establishments reporting for each year, and it is believed that they reflect fairly accurately the average values of the several kinds of lumber at the mill, for the United States as a whole.

Extent of coverage.—Although the 1933 census coverage of the establishments that reported in this industry for 1931 was not complete, in that a considerable number of them failed to make returns for 1933, the Bureau was able, with the assistance of the several Code Authorities, to collect the information necessary for the compilation of statistics which are believed to be substantially complete and correct.

ALASKA

Statistics for Alaska.—The following tables do not include statistics for any of the outlying possessions. The statement below shows the production of lumber and shingles in Alaska for the years from 1929 to 1933.

PRODUCTION OF LUMBER AND SHINGLES IN ALASKA: 1929 TO 1933

YEAR	Number of mills	LUMBER SAWED (<i>M feet b. m.</i>)				Shingles (squares)
		Total	Spruce	Hemlock	All other	
1933.....	20	12,901	10,202	1,523	1,086	1,380
1932.....	17	12,175	10,310	1,588	208	1,938
1931.....	16	16,535	12,001	4,189	255	1,083
1930.....	14	34,216	23,082	10,621	533	2,751
1929.....	19	30,393	21,850	8,205	338	2,943

¹ Cedar.

² Converted on basis of 800 shingles to the square.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
Thousands of dollars. (See sec. 25, p. 13)									
<i>United States</i>									
1933.....	3,783	9,488	189,367	14,281	113,183	8,293	123,450	4350,464	227,013
1931.....	4,996	(⁴)	196,647	(⁴)	155,870	10,060	160,511	4443,629	283,118
1929.....	12,915	21,714	419,084	56,438	421,585	23,010	419,603	1,273,472	853,869
1927.....	7,510	21,333	413,946	51,957	413,362	28,483	493,959	1,214,646	720,687
<i>States</i>									
Alabama:									
1933.....	274	419	10,620	500	4,232	371	5,272	14,222	8,950
1931.....	320	(⁴)	9,553	(⁴)	4,974	551	5,493	14,619	9,126
Arizona:									
1933.....	5	23	778	56	558	34	274	1,618	1,344
1931.....	12	(⁴)	790	(⁴)	743	114	268	1,719	1,451
Arkansas:									
1933.....	192	464	9,824	623	4,293	577	5,495	15,227	9,733
1931.....	204	(⁴)	9,283	(⁴)	5,210	251	5,075	16,735	11,669
California:									
1933.....	95	705	9,776	1,389	9,132	941	5,124	20,827	15,703
1931.....	115	(⁴)	11,269	(⁴)	13,747	245	5,444	28,006	22,563
Colorado:									
1933.....	23	20	305	28	230	8	86	394	308
1931.....	43	(⁴)	477	(⁴)	578	1	160	851	691
Connecticut:									
1933.....	11	5	58	9	38		38	115	77
1931.....	17	(⁴)	95	(⁴)	105		24	50	219
Delaware:									
1933.....	4	4	35	4	8		20	41	22
1931.....	5	(⁴)	46	(⁴)	26		35	92	57
Florida:									
1933.....	144	329	8,267	547	3,245	147	3,841	11,086	7,244
1931.....	116	(⁴)	10,327	(⁴)	5,191	315	4,922	15,598	10,676
Georgia:									
1933.....	210	317	5,246	392	1,792	704	2,658	6,950	4,293
1931.....	378	(⁴)	5,142	(⁴)	2,080	613	3,233	8,190	4,952
Idaho:									
1933.....	51	180	3,241	385	2,874	148	3,949	9,387	5,438
1931.....	67	(⁴)	5,394	(⁴)	6,002	752	4,702	13,903	9,201
Illinois:									
1933.....	19	35	565	43	213	10	271	755	485
1931.....	22	(⁴)	564	(⁴)	382	40	665	1,533	917
Indiana:									
1933.....	74	120	1,314	132	790	22	1,268	3,099	1,831
1931.....	81	(⁴)	1,215	(⁴)	995	9	1,818	4,048	2,230
Kentucky:									
1933.....	41	157	1,458	232	751	67	1,459	3,009	1,550
1931.....	82	(⁴)	1,694	(⁴)	1,310	22	2,230	4,573	2,342
Louisiana:									
1933.....	149	750	14,382	1,154	6,924	343	6,893	21,026	14,133
1931.....	142	(⁴)	14,945	(⁴)	8,683	277	8,830	24,984	16,154
Maine:									
1933.....	88	99	1,665	124	969	293	1,088	3,186	2,098
1931.....	137	(⁴)	1,909	(⁴)	1,678	389	1,875	4,956	3,031
Maryland:									
1933.....	23	12	246	15	93	10	116	308	193
1931.....	51	(⁴)	310	(⁴)	201	3	231	713	482
Massachusetts:									
1933.....	33	16	398	18	320	39	422	966	545
1931.....	55	(⁴)	471	(⁴)	461	16	607	1,474	867
Michigan:									
1933.....	77	239	4,972	374	3,197	441	3,207	8,851	5,644
1931.....	62	(⁴)	6,254	(⁴)	5,639	1,129	3,862	12,953	9,092
Minnesota:									
1933.....	25	97	1,867	112	1,015	20	1,421	3,345	1,924
1931.....	44	(⁴)	1,325	(⁴)	1,015	423	1,491	3,248	1,756

For footnotes, see end of table.

TABLE I.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATE
1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees	Number of wage earners (average for the year)	Salaries	Wages	Cost of contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture
<i>Thousands of dollars. (See sec. 25, p. 13)</i>									
<i>States—Continued</i>									
Mississippi:									
1933.....	187	472	11,367	655	4,862	588	5,543	16,945	11,40
1931.....	195	(^o)	12,388	(^o)	7,055	465	9,034	22,599	13,50
Missouri:									
1933.....	52	81	1,356	94	647	13	1,333	2,789	1,45
1931.....	63	(^o)	1,225	(^o)	864		1,385	2,988	1,60
Montana:									
1933.....	20	99	1,230	179	996	61	973	2,445	1,47
1931.....	38	(^o)	1,581	(^o)	1,545	40	1,496	4,133	2,63
New Hampshire:									
1933.....	68	56	1,088	71	710	160	1,250	2,586	1,33
1931.....	91	(^o)	991	(^o)	854	160	1,809	3,336	1,53
New Jersey:									
1933.....	9	21	135	36	127	11	219	476	261
New Mexico:									
1933.....	16	47	1,037	50	649	240	296	1,744	1,44
1931.....	26	(^o)	580	(^o)	540	160	575	1,702	1,12
New York:									
1933.....	58	84	1,287	134	942	111	1,004	2,898	1,89
1931.....	97	(^o)	1,481	(^o)	1,566	701	1,843	4,836	2,90
North Carolina:									
1933.....	225	409	8,248	480	3,040	203	4,275	10,936	6,66
1931.....	430	(^o)	8,684	(^o)	4,280	224	5,404	14,249	8,84
Ohio:									
1933.....	70	81	641	90	380		597	1,490	893
1931.....	100	(^o)	806	(^o)	634	12	959	2,357	1,39
Oklahoma:									
1933.....	19	97	1,852	88	808	53	600	1,961	1,36
1931.....	23	(^o)	1,506	(^o)	767	17	626	1,993	1,37
Oregon:									
1933.....	288	920	19,744	1,598	16,156	442	14,312	44,181	29,86
1931.....	332	(^o)	19,486	(^o)	21,167	717	21,752	59,574	37,82
Pennsylvania:									
1933.....	120	112	1,503	147	860	192	1,017	2,697	1,68
1931.....	149	(^o)	1,337	(^o)	1,139	297	1,110	3,436	2,31
Rhode Island:									
1933.....	3		15		6		9	26	17
1931.....	6	(^o)	22	(^o)	18		25	72	47
South Carolina:									
1933.....	127	291	7,057	385	2,603	321	2,497	8,550	6,05
1931.....	178	(^o)	8,209	(^o)	3,809	163	3,598	10,431	6,83
South Dakota:									
1933.....	8	26	292	36	292	6	193	648	455
1931.....	15	(^o)	402	(^o)	386		159	649	490
Tennessee:									
1933.....	95	249	4,233	320	1,773	131	2,861	6,991	4,12
1931.....	181	(^o)	4,031	(^o)	2,315	109	3,885	9,021	5,73
Texas:									
1933.....	109	353	8,598	434	4,083	133	3,403	11,433	8,03
1931.....	110	(^o)	6,895	(^o)	4,131	54	4,010	11,096	7,08
Utah:									
1933.....	6	9	68	14	48	(^o)	11	131	120
Vermont:									
1933.....	48	57	914	67	560	61	626	1,830	1,20
1931.....	94	(^o)	1,097	(^o)	867	50	928	2,724	1,79
Virginia:									
1933.....	170	165	4,574	186	1,809	62	2,172	6,177	4,00
1931.....	288	(^o)	4,148	(^o)	2,144	75	2,793	7,203	4,41
Washington:									
1933.....	389	1,371	30,494	2,334	26,043	855	32,489	84,156	51,66
1931.....	397	(^o)	29,540	(^o)	33,019	507	40,364	93,821	55,45
West Virginia:									
1933.....	53	181	3,524	294	2,192	497	1,545	5,910	4,36
1931.....	94	(^o)	3,639	(^o)	3,233	551	1,912	7,924	6,01

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1,2}	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
States—Continued									
Wisconsin:									
1933.....	95	293	4,854	419	2,637	90	3,064	8,359	5,295
1931.....	99	(⁵)	6,844	(⁵)	5,589	1,047	4,885	15,875	10,990
Wyoming:									
1933.....	5	10	152	21	180	15	95	357	262
1931.....	15	(⁵)	358	(⁵)	546	24	92	767	675
Other States: ⁶									
1933.....	5	13	89	13	56	-----	161	331	170
1931.....	22	(⁵)	329	(⁵)	383	22	863	1,776	913

¹ Not including proprietors and firm members, as follows: 1933, 3,179; 1931, no data; 1929, 13,345; 1927, 6,514.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ Includes value of secondary products not normally belonging to the industry, as follows: 1933, \$3,297,459; 1931, \$3,037,130. Does not include value of lumber and timber products made as secondary products by establishments classified in other industries, as follows: 1933, \$1,478,604; 1931, \$1,274,312.

⁵ No data.

⁶ Figures for 1931 withheld to avoid disclosing approximations of data for individual establishments; included in items for "Other States."

⁷ Less than \$500.

⁸ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Iowa, 3, 7; Kans., 2, 2; N. J. (1931), 7; Utah (1931), 6.

TABLE 2.—LUMBER—PRODUCTION AND PERCENT DISTRIBUTION OF CUT, BY GROUPS OF STATES: 1933, 1932, 1931, AND 1929

	1933		1932		1931		1929	
	Quantity (M feet b. m.)	Per cent of total	Quantity (M feet b. m.)	Per cent of total	Quantity (M feet b. m.)	Per cent of total	Quantity (M feet b. m.)	Per cent of total
United States ¹	13,961,134	100.0	10,151,232	100.0	16,522,643	100.0	36,886,032	100.0
Northeastern States ²	417,404	3.0	387,824	3.8	602,579	3.6	1,231,697	3.3
Central States ³	529,579	3.8	417,223	4.1	820,689	5.0	2,347,232	6.4
Southern States ⁴	4,509,982	32.3	2,972,941	29.3	4,721,223	28.6	12,483,669	33.8
North Carolina Pine States ⁵	1,255,509	9.0	963,550	9.5	1,262,539	7.6	2,978,816	8.1
Lake States ⁶	394,155	2.8	289,519	2.9	711,672	4.3	1,771,011	4.8
North Pacific States ⁷	5,362,123	38.4	3,864,681	38.1	6,536,032	39.6	12,086,072	32.8
South Pacific States ⁸	784,626	5.6	680,520	6.7	957,740	5.8	2,063,220	5.6
North Rocky Mountain States ⁹	441,597	3.2	350,426	3.5	658,112	4.0	1,417,502	3.8
South Rocky Mountain States ¹⁰	232,334	1.7	194,845	1.9	214,708	1.3	425,346	1.2
Other States ¹¹	33,825	0.2	20,803	0.2	37,349	0.2	81,458	0.2

¹ Exclusive of cut of mills producing less than 50,000 feet.

² Northeastern States: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.

³ Central States: Illinois, Indiana, Kentucky, Missouri, Ohio, Tennessee, and West Virginia.

⁴ Southern States: Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Oklahoma, and Texas.

⁵ North Carolina Pine States: North Carolina, South Carolina, and Virginia.

⁶ Lake States: Michigan, Minnesota, and Wisconsin.

⁷ North Pacific States: Oregon and Washington.

⁸ South Pacific States: California and Nevada.

⁹ North Rocky Mountain States: Idaho and Montana.

¹⁰ South Rocky Mountain States: Arizona, Colorado, New Mexico, Utah, and Wyoming.

¹¹ Other States: District of Columbia, Iowa, Kansas, Nebraska, North Dakota, and South Dakota.

TABLE 3.—PRODUCTION AND AVERAGE VALUE, AT THE MILL, OF LUMBER, BY KIND OF WOOD, AND OF LATH AND SHINGLES: 1933, 1931, AND 1929

[Number of mills reporting: 1933, 7,882; 1931, 10,596; 1929, 20,178]

	QUANTITY			AVERAGE VALUE PER SPECIFIED UNIT		
	1933	1931	1929	1933	1931	1929
Lumber (<i>M feet b. m.</i>) aggregate.....	13,961,134	16,522,643	36,886,032	\$18.55	\$18.56	\$26.94
Softwood, total.....	11,898,873	13,851,951	29,813,345	16.94	16.74	24.31
Balsam fir.....	2,799	11,488	37,602	19.79	19.34	25.49
Cedar.....	111,304	149,976	308,839	25.91	24.08	34.83
Cypress.....	158,435	331,891	532,022	26.30	30.64	35.29
Douglas fir.....	3,969,154	4,648,455	8,088,700	13.57	12.05	20.05
Hemlock.....	415,771	960,431	2,098,668	14.27	14.13	18.90
Larch.....	48,006	84,959	244,719	13.84	14.18	18.35
Lodgepole pine.....	11,844	25,043	30,897	16.23	14.46	17.97
Ponderosa pine.....	1,689,773	1,822,460	3,288,237	18.57	20.48	26.47
Redwood.....	163,899	210,866	485,606	26.29	29.82	31.00
Spruce.....	198,378	233,617	563,953	18.89	23.00	28.64
Sugar pine.....	84,592	106,139	349,294	27.95	28.76	43.08
White fir.....	67,253	121,479	307,241	15.30	14.94	20.63
White pine.....	532,088	715,504	1,247,878	21.45	24.71	29.87
Yellow pine.....	4,445,577	4,429,643	11,629,659	17.91	16.99	25.66
Hardwood, total.....	2,062,261	2,670,692	7,072,687	27.81	28.00	38.04
Alder.....	23,769	13,574	23,651	17.99	22.11	27.18
Ash.....	54,478	67,551	152,369	39.23	41.06	43.14
Basswood.....	37,282	56,722	133,320	29.19	28.54	39.88
Beech.....	43,983	80,850	186,558	22.75	22.93	28.39
Birch.....	81,318	171,732	374,377	29.02	30.95	39.35
Buckeye.....	633	310	2,076	24.01	22.92	30.26
Cherry.....	2,531	2,252	7,443	45.14	40.24	59.31
Chestnut.....	50,459	88,760	267,917	23.01	22.50	29.51
Cottonwood.....	107,605	76,805	165,306	22.18	19.54	29.70
Elm.....	33,317	57,471	175,833	23.09	25.37	35.28
Hackberry.....	10,713	695	4,732	16.31	19.72	29.03
Hickory.....	10,374	14,372	57,057	26.27	32.55	40.33
Locust.....	368	231	1,685	45.25	24.90	38.11
Magnolia.....	20,526	17,001	42,343	27.13	21.51	31.01
Mahogany.....	9,275	20,539	49,459	149.91	115.46	142.79
Maple.....	221,272	328,445	823,552	30.51	28.80	36.93
Oak.....	697,595	953,559	2,574,495	28.53	27.68	38.43
Pecan.....	3,087	5,419	7,023	21.73	28.53	30.17
Red gum.....	350,166	343,315	1,103,703	23.01	22.68	34.42
Sycamore.....	11,201	23,211	57,714	22.78	22.40	30.07
Tupelo.....	122,539	135,296	306,634	22.01	19.05	25.39
Walnut.....	22,015	23,249	71,523	77.61	60.44	110.15
Willow.....	9,055	7,010	13,631	22.20	21.20	29.78
Yellow poplar.....	110,564	172,437	435,953	29.91	30.02	41.06
Other 1.....	1,856	9,776	33,748	102.63	42.14	46.74
Lath (thousands).....	408,192	614,250	1,705,858	2.54	2.65	3.46
Shingles (squares).....	3,662,250	2,392,465	2,638,340	1.90	1.47	2.36

¹ For 1933: Bals, 1,357 M feet; box-elder, 34; butternut, 70; cucumber, 68; mulberry, 4; myrtle, 175; persimmon, 27; miscellaneous foreign woods, 121. For earlier years, see published reports.

² Reported in thousands. Converted on basis of 800 shingles to the square.

TABLE 4.—LUMBER—PRODUCTION DURING THE YEAR AND STOCKS ON HAND JAN. 1 AND DEC. 31, BY KIND OF WOOD: 1933

	QUANTITY (<i>M feet b. m.</i>)		
	Aggregate	Softwood	Hardwood
Total production.....	13,961,134	11,898,873	2,062,261
Production of mills reporting stocks.....	10,819,264	9,322,598	1,496,666
Percent of total cut.....	77.5	78.3	72.6
Stocks on hand:			
Jan. 1.....	6,323,806	4,655,853	1,667,953
Dec. 31.....	5,790,269	4,242,207	1,548,062

¹ Exclusive of data for mills which reported a total cut of 468,494 M feet of softwood lumber and stocks of 143,456 M feet of softwoods on hand Dec. 31 but did not report stocks on hand Jan. 1.

TABLE 5.—WOOD CONSUMED AND VENEER PRODUCED, BY KIND: 1933, 1931, AND 1929

[See "Description of the industry," p. 243]

	Census year	Total quantity of logs used (M ft., log scale)	LOGS USED AND VENEERS PRODUCED—BOTH ITEMS-REPORTED						LOGS USED—VENEER PRODUCTION NOT REPORTED (M feet, log scale)		
			Logs used (M ft., log scale)			Veneers produced (M sq. ft.)			Face	Other	Not specified
			For face veneer	For other veneer	Not specified	Face	Other	Not specified			
Aggregate.....	1933	700,294	97,782	237,884	22,670	891,672	1,993,928	179,510	22,071	319,827	-----
	1931	696,350	91,385	230,237	20,520	938,885	1,839,233	153,581	23,788	324,436	5,934
	1929	1,112,910	(1)	(1)	709,514	(1)	(1)	5,664,031	(1)	(1)	403,496
Softwood, domestic.....	1933	282,484	71,858	111,358	17,496	508,935	852,140	120,000	378	81,394	-----
	1931	228,520	55,261	103,299	12,983	445,828	746,709	90,099	930	56,029	18
	1929	393,622	(1)	(1)	295,568	(1)	(1)	1,892,638	(1)	(1)	98,054
Hardwood, total.....	1933	399,693	25,924	126,526	5,174	382,737	1,141,788	59,510	21,693	220,376	-----
	1931	463,229	35,929	126,483	7,537	490,849	1,089,558	63,482	22,853	264,906	5,516
	1929	706,500	(1)	(1)	412,420	(1)	(1)	3,756,143	(1)	(1)	294,170
Domestic.....	1933	306,666	23,210	126,523	5,174	331,859	1,141,773	59,510	21,683	220,076	-----
	1931	455,694	32,380	124,653	7,537	418,090	1,052,440	63,482	21,084	264,524	5,516
	1929	688,924	(1)	(1)	399,496	(1)	(1)	3,473,439	(1)	(1)	289,428
Imported.....	1933	3,027	2,714	3	-----	50,878	15	-----	10	300	-----
	1931	7,535	3,549	1,830	-----	72,759	37,118	-----	1,774	382	-----
	1929	17,666	(1)	(1)	12,924	(1)	(1)	282,704	(1)	(1)	4,742
Woods not specified.....	1933	18,057	-----	-----	-----	-----	-----	-----	-----	18,057	-----
	1931	4,601	195	505	-----	2,208	2,960	-----	-----	3,501	400
	1929	12,698	(1)	(1)	1,526	(1)	(1)	15,250	(1)	(1)	11,172

1 No data.

TABLE 6.—TIGHT-COOPERAGE STOCK—PRODUCTION, BY CLASS AND BY KIND OF WOOD: 1933, 1931, AND 1929

[See "Description of the industry," p. 243]

	STAVES (thousands)			HEADING (thousand sets)		
	1933	1931	1929	1933	1931	1929
	Aggregate.....	154,575	204,624	357,353	13,031	20,090
Oil, tierce, and pork, total.....	80,099	93,621	185,801	4,664	7,662	21,195
Softwood.....	13,452	20,796	62,726	546	1,167	3,072
Hardwood.....	66,647	72,825	123,075	4,118	6,495	18,123
Spirit and wine, total.....	17,806	11,262	16,292	1,247	980	1,381
Softwood.....	90	444	1,227	7	125	94
Hardwood.....	17,716	10,818	15,065	1,240	864	1,287
Beer, hardwood.....	9,896	(1)	-----	1,409	-----	-----
All other and not specified, total.....	46,774	99,741	155,260	5,711	11,439	7,753
Softwood.....	25,277	80,847	115,169	2,704	10,749	4,058
Hardwood.....	21,497	18,894	40,091	3,007	690	3,695

1 Data incomplete; included in figure for "Hardwood," under "All other and not specified."

TABLE 7.—SLACK-COOPERAGE STOCK—PRODUCTION, BY KIND OF WOOD: 1933, 1931, AND 1929

[See "Description of the industry," p. 243]

	1933	1931	1929
Staves, thousand pieces, total.....	426,585	537,177	1,039,450
Softwood.....	266,748	267,405	462,316
Hardwood.....	159,837	269,046	563,694
Undistributed.....		726	13,440
Heading, thousand sets, total.....	37,461	43,375	72,591
Softwood.....	32,898	35,405	56,254
Hardwood.....	4,563	7,225	15,392
Undistributed.....		745	945
Hoops, thousands, total.....	61,161	94,311	133,054
Softwood.....		1,111	410
Hardwood.....	61,161	93,200	132,521
Undistributed.....			123

TABLE 8.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8. See sec. 26, p. 13)

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
United States.....	147,015	191,555	229,021	203,863	209,215	208,641	189,717	166,398
<i>States</i>								
Alabama.....	9,140	10,274	12,162	11,433	9,863	9,072	9,629	9,388
Arizona.....	649	792	947	920	896	964	718	540
Arkansas.....	6,832	9,413	12,508	11,205	9,780	8,839	9,358	8,463
California.....	6,524	9,503	13,292	9,629	10,912	12,545	12,230	8,031
Colorado.....	195	396	415	280	427	566	504	361
Connecticut.....	66	57	54	58	154	89	56	90
Delaware.....	53	20	28	38	53	42	49	49
Florida.....	7,038	8,498	9,039	9,128	11,251	10,437	9,285	9,286
Georgia.....	4,335	5,181	5,915	5,777	5,921	5,066	4,402	4,710
Idaho.....	1,914	3,779	4,748	2,767	4,947	6,925	5,682	3,295
Illinois.....	491	566	617	634	625	597	575	425
Indiana.....	853	1,191	1,753	1,533	1,153	1,199	1,223	1,087
Iowa and Kansas ²	71	88	93	125	119	145	162	138
Kentucky.....	917	1,280	2,051	1,929	1,643	1,873	1,792	1,641
Louisiana.....	10,432	14,216	17,403	16,026	15,724	15,251	14,497	13,332
Maine.....	1,738	1,610	1,704	1,832	2,087	1,973	1,670	1,444
Maryland.....	173	183	334	262	350	340	247	274
Massachusetts.....	366	360	430	448	555	408	425	482
Michigan.....	5,374	4,564	4,982	5,786	7,183	6,558	5,059	5,497
Minnesota.....	1,170	1,238	2,097	3,929	1,767	1,040	1,126	1,294
Mississippi.....	9,146	11,113	12,962	12,490	13,498	12,503	11,575	11,060
Missouri.....	928	1,362	1,706	1,643	1,081	1,267	1,342	1,173
Montana.....	1,083	1,128	1,444	1,407	1,537	1,701	1,408	1,242
New Hampshire.....	916	1,038	1,184	1,304	1,056	917	820	1,047
New Jersey.....	81	86	1,205	133	159	151	103	143
New Mexico.....	779	1,160	1,230	1,123	492	688	621	514
New York.....	1,222	1,369	1,424	1,283	1,606	1,535	1,338	1,223
North Carolina.....	7,239	8,617	9,050	8,441	9,188	9,017	8,402	8,064
Ohio.....	399	664	792	772	790	876	772	700
Oklahoma.....	1,567	1,911	2,207	1,945	1,608	1,517	1,439	1,269
Oregon.....	14,181	21,023	24,014	19,880	21,283	22,528	19,347	14,317
Pennsylvania.....	1,260	1,486	1,718	1,625	1,382	1,436	1,322	1,255
Rhode Island.....	15	10	10	10	22	37	24	24
South Carolina.....	6,694	7,591	7,452	6,343	8,492	7,874	7,544	8,364
South Dakota.....	202	239	374	363	595	201	227	311
Tennessee.....	3,190	4,185	5,237	4,774	4,122	4,154	4,212	3,529
Texas.....	7,067	8,613	10,227	9,132	6,731	7,141	7,033	6,013
Utah.....	48	73	87	67	53	60	60	51
Vermont.....	738	806	1,168	1,010	1,152	1,109	1,051	1,045
Virginia.....	3,673	4,677	5,361	4,786	4,442	4,117	3,963	3,837
Washington.....	21,281	33,545	39,305	31,785	31,730	34,306	29,662	22,084
West Virginia.....	2,515	3,232	4,519	3,922	4,067	3,747	3,177	2,946
Wisconsin.....	4,311	4,260	5,621	5,453	8,289	6,523	5,185	6,146
Wyoming.....	49	158	243	253	323	422	346	243

¹ See sec. 5, p. 4, and 13, p. 8. The 2,436 establishments canvassed with the standard schedule reported wage earners, by months, as follows:

January.....	129,593	May.....	153,767	September.....	209,487
February.....	130,736	June.....	175,219	October.....	207,303
March.....	133,061	July.....	196,835	November.....	198,261
April.....	139,288	August.....	208,353	December.....	185,280

Combined to avoid disclosing data for individual establishments.

PLANING-MILL PRODUCTS

[A preliminary report for this industry was issued on December 26, 1934]

Description of the industry.—This industry embraces “independent” planing mills; that is, planing mills not operated in conjunction with sawmills. (Planing mills operated in conjunction with sawmills are classified in the “Lumber and timber products” industry.) The principal planing-mill products are dressed lumber, sash, doors, frames, interior woodwork, and molding.

Detailed statistics of products.—The detailed statistics given in table 3 cover the production both of independent planing mills (classified in the “Planing-mill products” industry) and of planing mills operated in conjunction with sawmills. Some of the planing-mill operators, including several of the more important ones, failed to supply detailed data on individual kinds of products manufactured, but reported the total value of their output under the item “Miscellaneous millwork,” and as a result the figures for “Miscellaneous millwork and millwork not reported by kind” include the values of products of the classes specified in that table, made by the planing-mill operators in question. This fact should be given consideration in any analytical study of the figures in table 3.

Extent of coverage.—The 1933 coverage of the establishments reporting in this industry for 1931 was nearly complete. Of the 3,453 such establishments, 146 failed to supply any information in regard to their status (active, idle, etc.), or their activities in 1933, but the number of wage earners and the value of products accounted for by these establishments did not exceed one and one-half percent of the totals reported for the industry for 1931.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars. (See sec. 25, p. 13)</i>								
<i>United States</i>								
1933.....	2,356	5,774	35,388	7,667	26,117	67,680	124,235	56,355
1931.....	3,453	(*)	54,493	(*)	58,552	125,760	235,681	109,920
1929.....	4,849	16,967	90,134	46,030	116,423	296,008	553,583	257,575
1927.....	4,561	16,732	96,589	42,461	126,140	321,443	581,634	260,190
<i>States</i>								
<i>Alabama:</i>								
1933.....	45	51	660	55	255	848	1,425	577
1931.....	91	(*)	1,224	(*)	587	2,181	3,412	1,230
<i>Arizona:</i>								
1933.....	3	9	32	10	39	60	130	70
<i>Arkansas:</i>								
1933.....	20	77	883	90	386	1,025	1,827	802
1931.....	33	(*)	1,171	(*)	763	2,236	3,680	1,444
<i>California:</i>								
1933.....	203	441	2,752	696	2,662	9,713	15,755	6,041
1931.....	287	(*)	4,395	(*)	5,738	15,271	25,773	10,502

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1 2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars. (See sec. 25, p. 13)</i>								
<i>States—Continued</i>								
Colorado:								
1933.....	16	(¹) 17	119	24	100	160	334	174
1931.....	23	(¹)	202	(¹)	294	358	933	576
Connecticut:								
1933.....	34	(¹) 88	405	129	329	523	1,355	832
1931.....	52	(¹)	671	(¹)	894	1,271	2,850	1,579
Delaware:								
1933.....	3	(¹) 2	15	(¹)	18	23	52	29
1931.....	6	(¹)	46	(¹)	55	75	159	84
District of Columbia:								
1933.....	7	(¹) 10	85	14	99	203	400	196
1931.....	8	(¹)	96	(¹)	169	194	489	294
Florida:								
1933.....	40	(¹) 54	318	58	224	364	824	461
1931.....	63	(¹)	626	(¹)	493	1,228	2,296	1,068
Georgia:								
1933.....	53	(¹) 128	1,021	136	495	1,587	2,548	961
1931.....	95	(¹)	1,393	(¹)	884	2,705	4,823	2,118
Illinois:								
1933.....	138	(¹) 360	1,655	473	1,494	3,476	6,706	3,230
1931.....	199	(¹)	2,691	(¹)	3,402	6,373	12,416	6,043
Indiana:								
1933.....	58	(¹) 149	750	183	478	1,224	2,407	1,183
1931.....	83	(¹)	1,224	(¹)	1,243	2,818	5,396	2,679
Iowa:								
1933.....	58	(¹) 310	1,780	410	1,080	2,549	4,662	2,113
1931.....	32	(¹)	2,414	(¹)	2,354	4,451	8,775	4,324
Kansas:								
1933.....	16	(¹) 37	201	49	143	273	565	292
1931.....	25	(¹)	300	(¹)	323	534	1,026	492
Kentucky:								
1933.....	37	(¹) 152	836	209	616	1,217	2,557	1,340
1931.....	54	(¹)	958	(¹)	928	1,721	3,529	1,808
Louisiana:								
1933.....	27	(¹) 82	505	91	282	773	1,474	701
1931.....	47	(¹)	970	(¹)	741	1,779	3,279	1,500
Maine:								
1933.....	18	(¹) 34	183	44	158	303	607	303
1931.....	32	(¹)	454	(¹)	511	980	1,971	991
Maryland:								
1933.....	40	(¹) 108	535	145	383	1,188	2,237	1,048
1931.....	50	(¹)	766	(¹)	849	2,118	3,735	1,617
Massachusetts:								
1933.....	93	(¹) 144	730	185	804	1,662	3,327	1,665
1931.....	123	(¹)	1,353	(¹)	1,970	3,395	7,167	3,772
Michigan:								
1933.....	76	(¹) 224	1,186	296	781	2,198	4,015	1,817
1931.....	129	(¹)	1,900	(¹)	1,919	4,817	8,503	3,687
Minnesota:								
1933.....	53	(¹) 184	950	226	775	1,348	2,880	1,532
1931.....	59	(¹)	1,683	(¹)	1,845	2,643	6,040	3,397
Mississippi:								
1933.....	30	(¹) 68	744	75	328	1,087	1,772	785
1931.....	41	(¹)	776	(¹)	451	1,468	2,486	1,018
Missouri:								
1933.....	53	(¹) 193	745	231	518	1,093	2,135	1,042
1931.....	70	(¹)	1,276	(¹)	1,366	2,014	4,379	2,365
Montana:								
1933.....	8	(¹) 3	72	7	55	103	223	120
1931.....	12	(¹)	110	(¹)	118	209	417	208
Nebraska:								
1933.....	10	(¹) 28	120	33	99	224	434	211
1931.....	13	(¹)	291	(¹)	302	630	1,281	652
New Hampshire:								
1933.....	16	(¹) 49	272	75	211	507	939	432
1931.....	19	(¹)	377	(¹)	417	759	1,536	777
New Jersey:								
1933.....	73	(¹) 147	746	216	872	1,644	3,646	2,002
1931.....	114	(¹)	1,151	(¹)	1,662	2,896	5,940	3,044

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>States—Continued</i>								
New Mexico:								
1933.....	4	2	53	(⁴)	25	119	173	54
1931.....	5	(⁴)	82	(⁴)	70	204	317	113
New York:								
1933.....	217	427	1,993	598	2,152	4,438	9,001	4,563
1931.....	349	(⁴)	4,543	(⁴)	6,806	11,746	25,104	13,358
North Carolina:								
1933.....	91	143	1,724	191	862	2,934	4,823	1,889
1931.....	123	(⁴)	2,248	(⁴)	1,346	4,869	7,354	2,485
Ohio:								
1933.....	104	289	1,335	388	1,034	2,568	4,913	2,345
1931.....	179	(⁴)	2,319	(⁴)	2,685	5,770	11,312	5,542
Oklahoma:								
1933.....	19	27	140	28	78	273	515	243
1931.....	25	(⁴)	187	(⁴)	159	348	733	385
Oregon:								
1933.....	29	75	656	89	440	1,624	2,756	1,132
1931.....	41	(⁴)	742	(⁴)	785	1,527	3,111	1,585
Pennsylvania:								
1933.....	231	538	2,502	719	2,114	4,285	8,596	4,311
1931.....	381	(⁴)	3,629	(⁴)	4,433	7,593	15,782	8,169
Rhode Island:								
1933.....	11	25	119	34	111	663	938	275
1931.....	15	(⁴)	205	(⁴)	290	752	1,260	508
South Carolina:								
1933.....	38	52	516	60	233	845	1,405	560
1931.....	49	(⁴)	624	(⁴)	376	1,269	2,003	734
South Dakota:								
1933.....	4	13	50	13	40	82	157	75
1931.....	7	(⁴)	99	(⁴)	111	198	337	189
Tennessee:								
1933.....	49	127	1,189	152	642	1,924	3,597	1,673
1931.....	82	(⁴)	1,929	(⁴)	1,498	4,501	7,317	2,816
Texas:								
1933.....	63	138	739	142	515	1,135	2,189	1,055
1931.....	83	(⁴)	1,047	(⁴)	1,169	2,137	4,247	2,060
Utah:								
1933.....	10	10	69	13	62	107	236	128
1931.....	21	(⁴)	119	(⁴)	153	214	500	286
Vermont:								
1933.....	13	22	165	29	126	278	456	178
1931.....	19	(⁴)	248	(⁴)	245	627	1,180	553
Virginia:								
1933.....	68	141	1,170	198	756	2,120	3,585	1,465
1931.....	81	(⁴)	1,360	(⁴)	1,311	3,111	5,316	2,205
Washington:								
1933.....	79	172	1,954	226	1,452	5,369	8,131	2,762
1931.....	103	(⁴)	2,090	(⁴)	2,379	7,067	11,049	3,982
West Virginia:								
1933.....	22	38	320	50	196	434	859	425
1931.....	30	(⁴)	453	(⁴)	436	1,451	2,246	795
Wisconsin:								
1933.....	87	387	2,346	562	1,548	3,179	6,342	3,164
1931.....	111	(⁴)	3,735	(⁴)	3,682	6,295	12,808	6,513
Other States: ⁷								
1933.....	9	4	53	15	46	177	327	150
1931.....	19	(⁴)	316	(⁴)	359	909	1,383	475

¹ Not including proprietors and firm members, as follows: 1933, 982; 1931, no data; 1929, 2,763; 1927, 2,360.² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.⁴ No data.⁵ Figures for 1931 withheld to avoid disclosing data for individual establishments; included in items for "Other States."⁶ Withheld to avoid disclosing compensation of individual employees; included in figure for "Other States."⁷ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ariz. (1931), 2; Idaho, 2; Nev., 4, 5; N. Dak., 2, 5; Wyo., 1, 1.

TABLE 2.—PRODUCTS—SUMMARY FOR THE UNITED STATES: 1933, 1931, AND 1929

	1933	1931	1929
1. "Planing-mill products" industry (independent planing mills), all products, total value.....	\$124, 235, 186	\$235, 680, 673	\$553, 583, 498
(a) Planing-mill products.....	117, 032, 847	222, 785, 507	524, 878, 311
(b) Other products (not normally belonging to the industry).....	6, 793, 212	11, 400, 969	25, 175, 774
(c) Receipts for custom planing.....	409, 127	1, 494, 197	3, 529, 413
2. Planing mills operated in conjunction with sawmills: ¹			
(a) Planing-mill products, value.....	132, 978, 480	168, 058, 311	496, 084, 093
(b) Receipts for custom planing.....	114, 611	56, 724	489, 650
3. Planing-mill products made as secondary products in other industries, value.....	2, 301, 717	6, 347, 188	8, 605, 324
Planing-mill products, aggregate value (1a, 2a, and 3).....	252, 313, 044	397, 191, 006	1, 029, 567, 728

¹ Establishments that operate planing mills in conjunction with sawmills are classified in the "Lumber and timber products" industry.

TABLE 3.—PLANING-MILL PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1933 AND 1931

	1933			1931		
	Total	Independent planing mills	Planing mills operated in conjunction with sawmills	Total	Independent planing mills	Planing mills operated in conjunction with sawmills
Total value—thous. dolls ¹	252, 313	119, 335	132, 978	397, 191	229, 133	168, 058
Dressed lumber, including flooring, ceiling, partition, and siding:						
Quantity—thous. M ft. b. m.....	7, 124	1, 082	6, 042	9, 278	1, 928	7, 350
Value—thous. dolls.....	135, 029	27, 074	107, 955	183, 627	49, 451	134, 177
Doors:						
For dwellings and offices:						
Thousands.....	6, 259	4, 147	2, 111	8, 496	5, 371	3, 125
Value—thous. dolls.....	10, 408	8, 071	2, 337	20, 757	14, 823	5, 934
Other, value—thous. dolls.....	1, 859	1, 743	116	4, 613	4, 414	199
Sash:						
Thousands.....	12, 727	11, 864	863	18, 725	17, 461	1, 264
Value—thous. dolls.....	6, 744	6, 388	356	10, 646	10, 129	518
Window and door frames:						
Thousands.....	2, 231	2, 007	224	4, 626	4, 091	535
Value—thous. dolls.....	4, 644	4, 348	295	11, 077	10, 300	777
Plywood, value—thous. dolls.....	18, 253	4, 829	13, 424	19, 970	9, 181	10, 790
Portable and ready-cut houses, value—thous. dolls.....	1, 640	1, 639	1	3, 727	3, 718	9
Tanks and vats, value—thous. dolls.....	4, 955	4, 954	(²)	3, 210	3, 206	4
Silo stock, value—thous. dolls.....	482	335	147	1, 253	1, 009	243
Battery separators, value—thous. dolls.....	2, 500	1, 445	1, 055	2, 993	1, 396	1, 597
Venetian blinds, value—thous. dolls.....	1, 029	1, 028	1			
Miscellaneous millwork and millwork not reported by kind, value ² —thous. dolls.....	64, 770	57, 478	7, 293	135, 317	121, 507	13, 810

¹ See sec. 25, p. 13.

² Less than \$500.

³ Molding, inside trim, and general millwork not specifically reported. (See "Detailed statistics of products," p. 251.)

TABLE 4.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
United States.....	29, 379	37, 165	39, 766	35, 749	55, 641	56, 432	54, 588	48, 878
<i>States</i>								
Alabama.....	589	662	742	661	1, 234	1, 253	1, 222	1, 116
Arizona.....	33	31	33	39	(²)	(²)	(²)	(²)
Arkansas.....	669	1, 015	1, 033	875	1, 281	1, 190	1, 163	1, 033
California.....	2, 859	2, 723	3, 131	2, 853	4, 497	4, 503	4, 324	4, 031
Colorado.....	93	151	137	112	184	225	221	183
Connecticut.....	357	443	435	398	699	669	650	628
Delaware.....	14	14	18	15	44	47	49	42
Dist. of Columbia.....	78	82	88	90	112	90	89	79
Florida.....	282	315	378	336	614	626	650	627
Georgia.....	850	988	1, 137	1, 134	1, 475	1, 383	1, 322	1, 294
Illinois.....	1, 366	1, 843	1, 775	1, 728	2, 791	2, 697	2, 636	2, 269
Indiana.....	559	685	956	772	1, 364	1, 211	1, 245	1, 024
Iowa.....	1, 783	1, 906	1, 846	1, 704	2, 553	2, 514	2, 376	2, 187
Kansas.....	200	165	199	206	313	322	292	247
Kentucky.....	457	896	1, 049	770	862	1, 036	984	880
Louisiana.....	380	597	561	415	996	945	1, 012	853
Maine.....	158	201	192	184	452	454	451	453
Maryland.....	500	560	545	530	782	796	789	682
Massachusetts.....	597	736	841	757	1, 384	1, 447	1, 260	1, 131
Michigan.....	987	1, 253	1, 288	1, 188	2, 054	2, 084	1, 808	1, 605
Minnesota.....	770	1, 019	1, 114	903	1, 720	1, 793	1, 685	1, 504
Mississippi.....	603	714	876	697	742	757	825	775
Missouri.....	671	767	859	784	1, 327	1, 338	1, 233	1, 064
Montana.....	51	85	84	71	116	113	120	93
Nebraska.....	100	123	139	133	288	307	292	272
Nevada.....	34	32	46	41	32	54	46	40
New Hampshire.....	219	285	302	304	375	393	383	345
New Jersey.....	663	704	836	676	1, 207	1, 188	1, 135	1, 041
New Mexico.....	48	47	55	54	86	91	74	67
New York.....	1, 747	2, 030	2, 158	2, 139	4, 609	4, 779	4, 711	3, 767
North Carolina.....	1, 642	1, 749	1, 817	1, 806	2, 228	2, 248	2, 256	2, 204
Ohio.....	973	1, 385	1, 624	1, 289	2, 416	2, 398	2, 387	1, 907
Oklahoma.....	124	131	142	149	211	188	179	160
Oregon.....	487	639	765	783	704	755	777	762
Pennsylvania.....	2, 199	2, 638	2, 690	2, 486	3, 719	3, 717	3, 609	3, 339
Rhode Island.....	92	123	144	127	199	201	214	222
South Carolina.....	438	524	571	533	638	651	620	589
South Dakota.....	27	66	55	61	102	105	95	86
Tennessee.....	367	1, 235	1, 344	1, 268	1, 884	2, 027	1, 948	1, 875
Texas.....	658	762	884	640	1, 082	1, 080	1, 033	959
Utah.....	44	86	88	71	123	131	131	93
Vermont.....	128	189	185	162	223	241	267	245
Virginia.....	1, 079	1, 269	1, 245	1, 090	1, 324	1, 403	1, 414	1, 336
Washington.....	1, 528	2, 178	2, 306	1, 975	2, 112	2, 264	2, 104	1, 913
West Virginia.....	251	368	336	327	469	515	495	312
Wisconsin.....	1, 771	2, 679	2, 703	2, 419	3, 704	3, 924	3, 788	3, 343

¹ See secs. 5, p. 4 and 13, p. 8. The 1,889 establishments canvassed with the standard schedule reported wage earners, by months, as follows:

January.....	28, 427	May.....	32, 455	September.....	37, 823
February.....	28, 404	June.....	35, 322	October.....	37, 781
March.....	27, 945	July.....	37, 356	November.....	35, 814
April.....	29, 861	August.....	38, 424	December.....	33, 928

² Withheld to avoid disclosing data for individual establishments.

TURPENTINE AND ROSIN; WOOD PRESERVING

[Preliminary reports for these industries were issued on November 24 and September 14, 1934]

Description of the industries.—The "Turpentine and rosin" industry consists in the distillation of the semifluid exudation from certain species of pine trees. This exudation is known by various names, as crude gum, crude turpentine, and dip. Relatively small quantities of wood turpentine and wood rosin are obtained from pine wood by steam and solvent extraction and by destructive distillation. These methods are treated as belonging to the "Wood-distillation" industry and no statistics for turpentine and rosin thus produced are included in this report except in table 2.

The "Wood-preserving" industry embraces establishments engaged primarily in treating wood with creosote, zinc chloride, or other preservatives to prevent decay and for protection against insects. The treatment is applied either under pressure or by a nonpressure process. Among the products are railway ties, poles, paving blocks, etc. The treatment of battery separators and the staining of wood shingles are also included under this classification.

Crop year.—The producing season in the turpentine and rosin industry commences in the spring, when the sap begins to flow. In order to make the statistics conform as nearly as possible to the crop year and to make the task of reporting 12 months' activities less difficult for the operators, the data were formerly collected for the crop years ended March 31. The canvass for 1933, however, was made to cover the calendar year, in order to bring the statistics—and particularly the employment figures—into line with those for other industries.

Cost of materials.—The cost of materials in the "Turpentine and rosin" industry includes the rental of pine forests, the cost of containers, and the amount paid for purchased crude gum. In most cases, however, the gum is gathered by the establishment operating the still, and therefore a large part of the actual cost of materials at the still is represented by the compensation of the employees engaged in gathering the gum, which is reported under the head of "Wages." It appears probable, also, that the cost of materials as reported does not in all cases include the rental of pine forests (turpentine rights). As a result, the cost of materials shown for this industry is relatively low.

Extent of coverage.—For various reasons, including the numerous industrial changes which were in progress during the period, it was impossible to make a complete canvass of all turpentine stills. The coverage amounted to approximately 85 percent of the industry. That is to say, the producers covered by the canvass accounted for about 85 percent of the total production as reported by the Control Committee of the Marketing Agreement for Gum Turpentine and Gum Rosin Processors. This should be borne in mind in making use of the figures in tables 1, 3, and 5. The statistics on production and

stocks (except at crude-gum stills), as given in tables 2 and 3, are believed, however, to be substantially complete.

All the establishments in the "Wood-preserving" industry that reported at the census for 1931 were accounted for in the canvass for 1933.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
Thousands of dollars. (See sec. 25, p. 13)								
TURPENTINE AND ROSIN ⁴								
<i>United States</i>								
1933.....	843	1, 116	26, 285	792	5, 501	6, 282	\$16, 427	10, 145
1931-32.....	953	(^o)	28, 257	(^o)	7, 280	5, 793	\$16, 506	10, 713
1929-30.....	1, 183	1, 583	40, 157	1, 941	15, 036	10, 294	\$36, 282	25, 988
1927-28.....	1, 149	2, 120	37, 913	2, 616	16, 953	12, 173	\$39, 903	27, 730
<i>States</i>								
Alabama:								
1933.....	76	73	2, 323	58	535	630	1, 062	1, 032
1931-32.....	67	(^o)	1, 957	(^o)	523	592	1, 365	773
Florida:								
1933.....	250	474	9, 171	310	1, 844	1, 680	4, 836	3, 157
1931-32.....	280	(^o)	10, 218	(^o)	2, 552	1, 827	5, 258	3, 432
Georgia:								
1933.....	449	500	12, 751	372	2, 684	3, 439	8, 617	5, 178
1931-32.....	536	(^o)	13, 655	(^o)	3, 565	2, 841	8, 309	5, 467
Mississippi:								
1933.....	18	19	816	15	158	122	375	253
1931-32.....	18	(^o)	814	(^o)	184	115	473	359
North Carolina:								
1933.....	3	4	91	5	20	30	74	45
1931-32.....	3	(^o)	90	(^o)	29	22	78	57
South Carolina:								
1933.....	42	36	839	25	177	274	606	332
1931-32.....	41	(^o)	877	(^o)	228	192	533	342
Louisiana and Texas: ⁷								
1933.....	5	10	294	8	84	108	255	148
1931-32.....	8	(^o)	646	(^o)	200*	205	489	284
WOOD PRESERVING								
<i>United States</i>								
1933.....	185	673	7, 027	1, 242	4, 233	31, 087	43, 945	12, 858
1931.....	211	(^o)	9, 700	(^o)	8, 214	85, 141	106, 514	21, 374
1929.....	199	1, 413	13, 077	3, 622	14, 940	147, 703	190, 945	43, 242
1927.....	193	1, 461	12, 259	3, 291	13, 726	141, 555	184, 558	43, 003
<i>States</i>								
Alabama:								
1933.....	5	22	222	34	100	606	963	357
1931.....	5	(^o)	260	(^o)	175	1, 415	2, 056	641
California:								
1933.....	8	16	133	42	124	886	1, 181	295
1931.....	10	(^o)	228	(^o)	247	4, 099	4, 561	463
Florida:								
1933.....	3	13	179	25	99	867	1, 247	379
1931.....	4	(^o)	193	(^o)	150	2, 389	3, 155	766
Georgia:								
1933.....	7	32	326	60	158	1, 093	1, 625	533
1931.....	8	(^o)	361	(^o)	225	1, 677	2, 347	670
Illinois:								
1933.....	10	40	470	70	253	1, 696	2, 477	781
1931.....	11	(^o)	789	(^o)	590	7, 907	8, 994	1, 086
Indiana:								
1933.....	4	9	164	20	119	623	879	256
1931.....	5	(^o)	188	(^o)	219	2, 283	2, 766	483

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
WOOD PRESERVING—continued								
<i>States—Continued</i>								
Kentucky:								
1933.....	4	11	277	21	138	1,618	2,082	463
1931.....	4	(⁴)	355	(⁴)	291	3,812	4,549	737
Louisiana:								
1933.....	9	24	253	40	79	998	1,403	405
1931.....	9	(⁴)	363	(⁴)	225	2,940	3,630	690
Minnesota:								
1933.....	15	61	376	124	327	2,722	3,414	692
1931.....	16	(⁴)	570	(⁴)	594	5,385	6,921	1,536
Mississippi:								
1933.....	9	33	514	62	210	939	1,672	733
1931.....	9	(⁴)	781	(⁴)	441	4,557	6,032	1,475
New York:								
1933.....	6	35	188	45	103	904	1,247	343
1931.....	7	(⁴)	236	(⁴)	253	2,968	3,920	952
Ohio:								
1933.....	12	46	269	91	178	1,693	2,322	630
1931.....	13	(⁴)	417	(⁴)	430	4,783	5,942	1,160
Oregon:								
1933.....	4	11	150	20	103	633	934	301
1931.....	5	(⁴)	100	(⁴)	141	941	1,301	360
Pennsylvania:								
1933.....	4	5	21	8	19	177	232	56
1931.....	6	(⁴)	89	(⁴)	109	1,117	1,313	195
Tennessee:								
1933 ⁵	4	17	152	30	85	528	831	302
Texas:								
1933.....	10	65	932	115	404	1,852	2,802	951
1931.....	10	(⁴)	1,365	(⁴)	868	5,579	7,216	1,637
Virginia:								
1933.....	6	25	250	42	148	1,108	1,534	426
1931.....	8	(⁴)	297	(⁴)	289	1,752	2,487	735
Washington:								
1933.....	10	37	291	87	223	1,670	2,332	661
1931.....	14	(⁴)	315	(⁴)	413	2,740	4,165	1,425
West Virginia:								
1933 ⁶	4	6	52	8	35	284	358	73
Wyoming:								
1933.....	3	13	116	20	124	1,660	2,238	578
1931.....	4	(⁴)	112	(⁴)	140	1,924	2,157	232
Other States: ⁷								
1933.....	48	152	1,722	269	1,204	8,529	12,172	3,643
1931.....	63	(⁴)	2,681	(⁴)	2,414	26,871	33,003	6,132

¹ Not including proprietors and firm members, as follows: "Turpentine and rosin" industry—1933, 911; 1931-32, no data; 1929-30, 1,484; 1927-28, 843. "Wood presorving" industry—1933, 2; 1931, no data; 1929, 7; 1927, 5.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ The figures for the "Turpentine and rosin" industry for 1933 refer to the calendar year; the earlier figures relate to crop years ended March 31.

⁵ Includes receipts for custom distilling and value of dross and other products, as follows: 1933—custom distilling, \$47,259; dross, etc., \$94,832. 1931-32—custom distilling, \$34,743; dross, etc., \$122,673. 1929-30—custom distilling, \$77,345; dross, etc., \$413,458. 1927-28—no data.

⁶ No data.

⁷ Numbers of establishments reporting for 1933 and 1931-32, respectively, are: Louisiana, 4, 6; Texas, 1, 2.

⁸ Figures for 1931 withheld to avoid disclosing approximations of data for individual establishments; included in items for "Other States."

⁹ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ariz., 0, 1; Ark., 1, 1; Colo., 2, 2; Conn., 1, 1; Del., 1, 1; Idaho, 8, 8; Kans., 1, 1; Me., 1, 1; Md., 2, 2; Mass., 2, 3; Mich., 6, 8; Mo., 6, 7; Mont., 3, 3; N. H., 2, 2; N. J., 4, 4; N. Mex., 2, 2; N. C., 1, 3; Okla., 1, 1; S. C., 2, 2; Tenn. (1931), 4; W. Va. (1931), 4; Wis., 2, 2.

TABLE 2.—TURPENTINE AND ROSIN—PRODUCTION, BY QUANTITY AND VALUE, FOR THE UNITED STATES: 1933, 1931-32, AND 1929-30

	QUANTITY ¹			VALUE IN THOUSANDS OF DOLLARS ¹		
	1933	1931-32	1929-30	1933	1931-32	1929-30
From crude gum:	<i>M gal.</i>	<i>M gal.</i>	<i>M gal.</i>			
Turpentine, total.....	² 25,500	24,349	31,321			
Quantity and value both reported.....	21,011	24,123	30,998	8,143	8,219	13,402
Quantity only reported.....	⁴ 4,489	226	323			
Rosin, total.....	<i>M bbl.</i>	<i>M bbl.</i>	<i>M bbl.</i>			
	³ 1,700	1,571	1,976			
Quantity and value both reported.....	1,431	1,557	1,953	8,141	8,129	22,388
Quantity only reported.....	³ 269	14	22			
From wood distillation:	<i>M gal.</i>	<i>M gal.</i>	<i>M gal.</i>			
Turpentine.....	3,652	3,150	4,619	1,333	1,031	1,714
Rosin.....	<i>M bbl.</i>	<i>M bbl.</i>	<i>M bbl.</i>			
	449	334	479	2,515	1,905	5,443

¹ See sec. 25, p. 13.² Includes 3,989 M gallons reported to the Control Committee of the Marketing Agreement for Gum Turpentine and Gum Rosin Processors but not reported directly to the Census Bureau.³ Computed on basis of 3¼ barrels of rosin to 1 barrel of turpentine.

TABLE 3.—STOCKS OF TURPENTINE AND ROSIN ON HAND: MAR. 31, 1934, AND MAR. 31, 1932

[Figures for stocks on hand at crude-gum stills compiled by Bureau of the Census, Department of Commerce; all others by Bureau of Chemistry and Soils, Department of Agriculture]

	MAR. 31, 1934		MAR. 31, 1932	
	Turpentine (gallons)	Rosin (barrels of 500 pounds)	Turpentine (gallons)	Rosin (barrels of 500 pounds)
Stocks held:				
At crude-gum stills.....	¹ 799,406	¹ 201,651	495,522	128,503
By industrial consumers.....	² 927,604	² 425,626	871,439	365,446
At wood-distillation plants.....	1,123,537	88,200	³ 324,636	90,540
At ports and distributing points ⁴	⁵ 3,817,938	⁵ 174,065	5,366,821	449,828

¹ On hand Dec. 31, 1933.² Includes estimates by Bureau of Chemistry and Soils of stocks of about 25 consumers who failed to report their stocks.³ Includes data for stocks at sulphate wood-pulp plants.⁴ Stocks at ports and distributing points include only those held in the large yards or by dealers and jobbers, and do not cover supplies for retail-counter sales.⁵ Includes estimates by Bureau of Chemistry and Soils of stocks of 1 Chicago dealer who failed to report his stocks.

TABLE 4.—WOOD PRESERVING—PRODUCTS, BY KIND AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

	1933	1931	1929
Wood-preserving industry, all products, aggregate.....	\$43,944,811	\$106,514,215	\$190,944,645
Forest products treated, total.....	43,636,957	105,778,857	190,545,282
Forest products owned by establishments reporting— selling value after treatment.....	30,933,057	62,335,708	116,526,964
Forest products not owned by establishments reporting:			
Estimated value before treatment.....	8,135,560	29,401,342	50,443,287
Amount received for treatment.....	4,568,340	14,041,807	23,575,031
Other products (not normally belonging to the industry).....	307,854	735,358	399,363

TABLE 5.—WAGE EARNERS, BY MONTHS, FOR THE TURPENTINE AND ROSIN INDUSTRY, FOR SELECTED STATES: 1933 AND 1931-32

[For average for the year, see table 1. The month of maximum employment is indicated by bold-faced figures and that of minimum employment by *italic* figures. See sec. 26, p. 13.]

	NUMBER REPORTED FOR—											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<i>United States</i>												
1933.....	25, 102	23, 860	24, 992	26, 768	27, 151	27, 552	27, 662	27, 593	27, 290	27, 054	26, 697	26, 195
1931-32 ¹	27, 228	<i>27, 817</i>	27, 600	28, 554	28, 856	29, 068	28, 949	28, 836	28, 441	28, 366	28, 168	27, 806
<i>States</i>												
Alabama:												
1933.....	<i>1, 834</i>	1, 981	2, 276	2, 422	2, 460	2, 559	2, 553	2, 584	2, 530	2, 423	2, 322	1, 947
1931-32 ¹	<i>1, 671</i>	1, 676	1, 921	2, 044	2, 079	2, 081	2, 087	2, 090	2, 069	2, 040	1, 984	1, 745
Florida:												
1933.....	8, 969	<i>8, 816</i>	9, 020	9, 136	9, 203	9, 306	9, 286	9, 295	9, 251	9, 226	9, 227	9, 218
1931-32 ¹	<i>8, 888</i>	9, 912	9, 911	10, 294	10, 375	10, 445	10, 405	10, 360	10, 330	10, 298	10, 229	10, 151
Georgia:												
1933.....	<i>10, 409</i>	10, 598	11, 733	13, 165	13, 359	13, 555	13, 676	13, 618	13, 393	13, 290	13, 085	13, 135
1931-32 ¹	13, 419	13, 375	<i>13, 364</i>	13, 751	13, 894	14, 026	13, 958	13, 884	13, 592	13, 636	13, 504	13, 453
Mississippi:												
1933.....	821	828	819	804	816	806	805	<i>790</i>	812	822	834	887
1931-32 ¹	740	<i>737</i>	803	831	831	829	800	794	774	805	908	917
North Carolina:												
1933.....	<i>61</i>	<i>61</i>	71	96	107	108	107	103	100	93	90	91
1931-32 ¹	<i>72</i>	<i>72</i>	77	93	99	97	102	102	100	87	87	87
South Carolina:												
1933.....	689	689	777	852	918	926	938	940	917	913	843	<i>660</i>
1931-32 ¹	<i>760</i>	792	867	894	923	936	930	937	912	855	863	850
Louisiana and Texas:												
1933.....	319	288	296	291	288	292	297	<i>285</i>	287	287	296	307
1931-32 ¹	663	653	657	647	654	652	667	659	664	645	653	606

¹ January, February, and March, 1932; April to December, 1931.

GROUP 4.—PAPER AND ALLIED PRODUCTS

THE GROUP AS A WHOLE

[See p. 39]

For census purposes, establishments engaged primarily in the manufacture of pulp (wood and other fiber) and of paper and paperboard and those engaged primarily in the further manufacture of paper and paperboard into commodities such as boxes, bags, etc. (designated as "converted paper products"), are assigned to separate subgroups in the major industry group "Paper and allied products." Although the manufacture of converted paper products is carried on to a considerable extent in paper mills, the establishments which are engaged solely or primarily in this line of manufacture purchase their principal materials—paper and paperboard—from paper mills. Thus the products of the first of these subgroups become the materials for the second, and as a result there is a large amount of duplication in the figures for cost of materials and value of products for the group as a whole.

Change in classification.—At the census for 1933, establishments manufacturing papeteries, formerly classified in the "Stationery goods not elsewhere classified" industry, in Group 16, were transferred to "Paper goods, not elsewhere classified," in Group 4. The 1931 figures for the industry and for the "Converted paper products" subgroup have been revised for comparison with 1933, but the 1931 aggregate for the group has not been changed.

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SUMMARY FOR GROUP 4.—PAPER AND ALLIED PRODUCTS: 1927 TO 1933

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹
Aggregate for the group.	1933	2,697	196,380	\$172,841,982	\$654,646,541	\$1,172,742,984	\$518,096,443
	1931	2,893	194,581	214,337,492	758,010,033	1,357,582,014	599,571,981
	1929	3,126	233,393	287,330,792	1,092,722,103	1,892,251,148	799,529,045
	1927	2,972	224,437	272,153,670	1,082,363,311	1,785,997,679	703,634,368
Paper and pulp, total..	1933	781	107,298	99,194,024	393,663,024	665,654,391	301,991,367
	1931	² 848	107,902	126,885,792	495,088,615	851,530,240	356,441,625
	1929	883	128,049	173,077,781	723,360,707	1,206,114,305	482,753,598
	1927	929	123,360	162,002,097	724,110,963	1,138,089,666	413,978,703
Pulp (wood and other fiber)..	1933	181	20,074	18,103,342	81,896,058	134,691,766	52,795,708
	1931	² 198	20,219	22,843,982	110,668,220	166,559,043	55,890,823
	1929	198	24,729	32,679,407	148,752,729	238,928,279	90,175,560
	1927	219	24,794	31,527,358	151,325,425	218,198,201	66,872,776
Paper.....	1933	600	87,224	81,090,682	311,766,966	560,962,625	249,195,659
	1931	650	87,683	104,041,810	384,420,395	684,971,197	300,550,802
	1929	685	103,320	140,398,374	574,607,978	967,186,026	392,578,048
	1927	710	98,566	130,474,739	572,785,538	919,891,465	347,105,927
Converted paper products, total. ³	1933	1,916	89,082	73,647,958	260,983,517	477,088,593	216,105,076
	1931	2,069	89,186	89,935,667	271,005,073	520,921,231	249,916,158
	1929	2,243	105,344	114,253,011	369,361,396	686,136,843	316,775,447
	1927	2,043	101,077	110,151,573	358,252,348	647,908,013	289,555,665
Bags, paper, exclusive of those made in paper mills.	1933	96	7,665	5,812,998	29,295,537	49,379,367	20,083,830
	1931	95	6,836	6,422,669	33,426,725	54,290,800	20,864,075
	1929	95	6,970	6,661,235	43,238,392	64,621,192	21,382,800
	1927	88	6,463	6,393,675	40,734,599	57,489,652	16,755,053
Boxes, paper, not elsewhere classified.	1933	1,104	47,220	37,613,844	126,325,719	223,004,260	96,678,541
	1931	1,214	46,722	44,085,214	113,251,004	217,871,622	104,620,618
	1929	1,249	55,654	57,109,700	159,839,877	294,253,296	134,413,719
	1927	1,219	56,398	57,700,664	168,463,799	306,555,082	138,091,263
Cardboard, not made in paper mills.	1933	12	492	451,880	1,405,576	2,793,437	1,387,861
	1931	12	520	598,742	1,656,009	3,593,766	1,937,757
	1929	13	609	819,178	2,665,285	5,629,498	2,964,240
	1927	9	658	848,807	2,868,056	5,581,164	2,713,108
Card cutting and designing..	1933	64	1,804	1,534,938	4,029,475	10,137,700	6,108,225
	1931	72	2,041	2,407,951	6,673,843	15,953,282	9,279,439
	1929	70	2,338	2,725,047	9,285,931	19,648,179	10,362,248
	1927	60	2,024	2,706,633	7,544,043	16,871,312	9,327,269
Envelopes.....	1933	163	7,981	6,754,947	15,917,974	33,895,511	17,977,537
	1931	162	8,924	9,658,173	22,452,160	46,943,261	24,491,101
	1929	171	10,367	11,526,849	29,927,683	61,286,992	31,359,309
	1927	153	9,745	10,754,636	28,973,192	56,006,225	27,033,083
Labels and tags ⁴	1929	153	4,474	5,868,952	10,555,674	28,042,325	17,486,651
	1927	121	6,141	8,000,426	16,259,439	34,397,630	18,138,191
Paper goods not elsewhere classified. ⁵	1933	438	20,681	18,363,661	77,158,157	142,078,804	64,920,647
	1931	464	20,409	22,768,969	84,395,020	162,074,388	77,679,368
	1929	436	20,227	23,810,118	100,368,676	182,647,712	82,279,036
	1927	340	14,837	17,765,281	78,796,805	140,947,815	62,151,016
Wall paper.....	1933	39	3,239	3,115,680	6,851,079	15,799,514	8,948,435
	1931	50	3,734	3,993,949	9,150,312	20,194,112	11,043,800
	1929	56	4,705	5,731,932	13,480,205	30,007,649	16,527,444
	1927	53	4,811	5,981,451	14,612,415	30,059,153	15,446,738

¹ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.

² Revised; revision not carried into aggregate for group.

³ See "Change in classification," p. 261.

⁴ Abandoned as a separate classification at the census for 1931. Most of the establishments formerly classified as "Labels and tags" are now assigned to the "Printing, publishing, and allied industries" group.

⁵ Revised.

PULP AND PAPER

[Preliminary reports for these industries were issued Oct. 30 and Dec. 13, 1934]

Description of the industries.—The "Pulp" industry embraces establishments engaged primarily in the manufacture of pulp made from wood and other fiber. The greater part of the pulp produced is consumed in paper mills operated by the same establishments.

The "Paper" industry embraces establishments engaged primarily in the manufacture of paper and paperboard. The principal material is wood pulp, the greater part of which is manufactured in pulp mills operated in conjunction with the paper mills. Small quantities of pulp made from rags, waste paper, straw, and other fibers of various kinds are also used.

Extent of coverage.—All the establishments in the "Pulp" industry that reported at the census for 1931 were accounted for in the canvass for 1933. The 1933 coverage of the establishments reporting in the "Paper" industry for 1931 was nearly complete. Of the 650 such establishments, 14 failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, but these establishments accounted for only a fraction of 1 percent of the total number of wage earners and of the total value of products reported for the industry for 1931.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ¹ 2	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
PULP (WOOD AND OTHER FIBER)								
<i>United States</i>								
1933.....	4 181	1, 573	20, 074	3, 293	18, 103	81, 896	134, 692	52, 796
1931.....	4 198	(^b)	20, 219	(^c)	22, 844	110, 668	166, 559	55, 891
1929.....	4 198	1, 885	24, 729	5, 844	32, 679	148, 753	238, 928	90, 176
1927.....	4 219	2, 095	24, 794	5, 963	31, 527	151, 325	218, 198	66, 878
<i>States</i>								
Louisiana:								
1933.....	6	74	1, 239	101	1, 020	4, 595	7, 834	3, 239
1931.....	6	(^b)	847	(^c)	915	3, 349	5, 859	2, 510
Maine:								
1933.....	25	156	2, 769	362	2, 684	14, 354	18, 069	4, 316
1931.....	26	(^b)	3, 134	(^c)	3, 830	22, 255	28, 849	6, 594
Massachusetts:								
1933.....	3	5	123	10	101	362	513	151
1931.....	3	(^b)	200	(^c)	219	747	1, 190	442
Michigan:								
1933.....	10	78	821	149	715	2, 940	5, 281	2, 341
1931.....	10	(^b)	685	(^c)	776	4, 325	6, 146	1, 822
Minnesota:								
1933.....	6	44	741	79	595	3, 275	4, 467	1, 192
1931.....	6	(^b)	495	(^c)	562	3, 493	4, 900	1, 407

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employ-ees ^{1 2}	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manu-facture ⁴
PULP—continued								
<i>States—Continued</i>								
New York:								
1933.....	36	149	1,813	278	1,510	8,933	12,678	3,746
1931.....	45	(⁵)	2,022	(⁵)	2,282	13,812	19,147	5,335
Oregon:								
1933.....	5	30	634	66	572	2,681	5,040	2,353
1931.....	7	(⁵)	704	(⁵)	919	4,123	5,740	1,617
Pennsylvania:								
1933.....	7	140	1,015	352	886	3,604	6,294	2,690
1931.....	9	(⁵)	1,105	(⁵)	1,224	6,937	10,186	3,249
Tennessee:								
1933.....	6	45	497	123	414	1,827	3,762	1,935
1931.....	6	(⁵)	515	(⁵)	548	2,484	4,711	2,227
Vermont:								
1933.....	3	2	58	(⁵)	43	229	354	125
1931.....	3	(⁵)	75	(⁵)	90	428	534	106
Virginia:								
1933.....	9	113	1,293	236	1,167	5,445	10,136	4,690
1931.....	8	(⁵)	1,299	(⁵)	1,244	6,046	10,574	4,528
Washington:								
1933.....	15	223	1,993	517	2,134	9,698	18,875	9,178
1931.....	17	(⁵)	2,155	(⁵)	2,877	11,449	17,757	6,308
Wisconsin:								
1933.....	27	283	2,897	569	2,552	11,877	18,960	7,083
1931.....	27	(⁵)	2,807	(⁵)	3,269	16,828	25,127	8,300
Other States: ⁷								
1933.....	23	231	4,182	451	3,711	12,077	21,828	9,751
1931.....	25	(⁵)	4,167	(⁵)	4,088	14,391	25,838	11,447
PAPER								
<i>United States</i>								
1933.....	* 600	9,081	87,224	19,349	81,091	311,767	560,963	249,196
1931.....	* 650	(⁵)	87,683	(⁵)	104,042	384,420	684,971	300,551
1929.....	* 685	11,744	103,320	37,624	140,398	574,608	967,186	392,578
1927.....	* 710	10,537	98,566	33,619	130,475	572,786	919,891	347,106
<i>States</i>								
California:								
1933.....	10	184	1,579	400	1,746	4,879	10,586	5,707
1931.....	11	(⁵)	1,556	(⁵)	2,097	6,103	11,692	5,589
Connecticut:								
1933.....	22	155	1,349	376	1,450	4,325	8,249	3,924
1931.....	27	(⁵)	1,738	(⁵)	2,066	4,800	9,800	5,000
Illinois:								
1933.....	25	268	2,868	585	2,848	8,844	18,388	9,544
1931.....	25	(⁵)	3,092	(⁵)	3,658	10,592	20,172	9,579
Indiana:								
1933.....	20	201	1,687	397	1,618	5,187	9,811	4,624
1931.....	21	(⁵)	1,586	(⁵)	1,760	5,639	10,109	4,470
Louisiana:								
1933.....	7	95	1,260	141	1,065	8,387	16,402	8,016
1931.....	9	(⁵)	1,060	(⁵)	1,167	8,235	13,621	5,386
Maine:								
1933.....	25	662	6,950	1,454	6,430	26,847	44,856	17,509
1931.....	26	(⁵)	6,992	(⁵)	8,672	40,899	67,792	26,893
Maryland:								
1933.....	5	75	1,253	152	1,103	3,932	6,824	2,892
1931.....	6	(⁵)	1,135	(⁵)	1,124	4,518	6,936	2,417
Massachusetts:								
1933.....	65	1,027	9,390	2,185	8,111	18,832	40,064	21,232
1931.....	74	(⁵)	10,443	(⁵)	11,742	27,152	56,959	29,807
Michigan:								
1933.....	39	944	9,850	2,093	8,230	31,069	56,326	25,258
1931.....	39	(⁵)	9,112	(⁵)	11,283	37,363	67,467	30,103
Minnesota:								
1933.....	8	190	1,415	304	1,386	7,542	10,329	2,787
1931.....	8	(⁵)	1,177	(⁵)	1,630	8,706	13,015	4,309

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1, 2}	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
				Thousands of dollars. (See sec. 25, p. 13)				
PAPER—continued								
States—Continued								
New Hampshire:								
1933.....	21	130	2,044	279	1,807	6,999	11,641	4,642
1931.....	21	(⁵)	1,828	(⁵)	2,116	9,393	13,965	4,571
New Jersey:								
1933.....	28	270	3,262	707	3,220	12,481	23,746	11,265
1931.....	36	(⁵)	3,763	(⁵)	4,699	12,138	25,382	13,244
New York:								
1933.....	106	1,016	10,082	2,111	9,619	40,278	65,303	25,027
1931.....	120	(⁵)	10,987	(⁵)	13,579	53,082	90,515	37,433
Ohio:								
1933.....	48	1,018	7,728	2,241	7,491	27,769	47,563	19,794
1931.....	48	(⁵)	8,343	(⁵)	9,949	32,448	56,824	24,376
Oregon:								
1933.....	6	115	1,417	207	1,370	4,983	10,868	5,885
1931.....	6	(⁵)	1,229	(⁵)	1,410	6,378	13,624	7,246
Pennsylvania:								
1933.....	49	800	6,882	1,783	6,774	23,961	46,256	22,295
1931.....	51	(⁵)	6,270	(⁵)	7,420	31,278	53,579	22,301
Tennessee:								
1933.....	6	44	403	89	343	1,720	3,583	1,864
1931.....	6	(⁵)	545	(⁵)	661	2,600	4,501	1,811
Vermont:								
1933.....	9	48	629	103	640	2,581	4,320	1,739
1931.....	10	(⁵)	745	(⁵)	1,251	3,381	5,506	2,124
Virginia:								
1933.....	10	177	1,733	341	1,492	8,841	15,141	6,299
1931.....	10	(⁵)	1,674	(⁵)	1,706	12,072	16,848	4,775
Washington:								
1933.....	13	200	1,945	479	2,144	11,627	21,782	10,155
1931.....	13	(⁵)	1,901	(⁵)	2,586	10,082	26,532	16,450
West Virginia:								
1933.....	5	49	557	135	562	2,130	3,656	1,525
1931.....	6	(⁵)	596	(⁵)	668	2,230	4,004	1,774
Wisconsin:								
1933.....	44	1,027	9,327	2,048	7,987	34,767	58,041	23,274
1931.....	45	(⁵)	8,596	(⁵)	9,749	42,160	70,182	28,023
Other States: ⁶								
1933.....	29	386	3,624	649	3,163	13,789	27,727	13,937
1931.....	32	(⁵)	3,315	(⁵)	3,078	13,081	25,949	12,868

¹ Not including proprietors and firm members, as follows: "Pulp (wood and other fiber)" industry, 1933, 1; 1931, no data; 1929, 11; 1927, 7. "Paper" industry, 1933, 37; 1931, no data; 1929, 32; 1927, 38.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ The 181 establishments reporting for 1933 operated 185 mills (8 of which manufactured pulp from materials other than wood); the 198 establishments reporting for 1931 operated 204 mills (5 of which used materials other than wood); the 198 establishments reporting for 1929 operated 208 mills (3 of which used materials other than wood); for 1927, the number of establishments and the number of mills were identical.

⁵ No data.

⁶ Withheld to avoid disclosing compensation of an individual employee; included in figure for "Other States."

⁷ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 2, 2; Ark., 1, 1; Del., 1, 1; Fla., 1, 1; Ind., 1, 0; Md., 1, 2; Miss., 2, 2; N. H., 4, 7; N. J., 1, 1; N. C., 3, 3; Ohio, 2, 2; S. C., 1, 1; W. Va., 3, 2.

⁸ The 600 establishments reporting for 1933 operated 610 individual mills (combined reports having been made in a few cases for two or more mills operated by the same establishment); the 650 establishments reporting for 1931 operated 666 mills; the 686 establishments reporting for 1929 operated 702 mills; for 1927 the numbers of establishments and numbers of mills were identical.

⁹ States included and numbers of establishments reporting for 1933 and 1931, respectively are: Ala., 3, 3; Ark., 1, 1; Colo., 1, 1; Del., 4, 6; D. C., 1, 1; Fla., 1, 1; Ga., 2, 2; Iowa, 2, 2; Kans., 2, 3; Miss., 2, 2; Mo., 2, 2; N. C., 4, 4; R. I., 1, 1; S. C., 2, 2; Tex., 1, 1.

TABLE 2.—PULP—PRODUCTION, BY PROCESS, FOR CONSUMPTION AND FOR SALE, BY QUANTITY AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

PROCESS	QUANTITY (tons of 2,000 pounds)			VALUE IN THOUSANDS OF: DOLLARS ¹		
	1933	1931	1929	1933	1931	1929
"Pulp" industry, all products, total.....				134,692	166,559	238,928
Pulp (wood and other fiber).....	4,365,668	4,479,193	4,937,235	132,471	164,934	234,759
Products other than pulp (not normally belonging to the industry).....				2,220	1,625	4,169
Pulp (wood and other fiber), aggregate.....	4,365,668	4,479,193	4,937,235	132,471	164,934	234,759
For consumption ^{2,3}	3,705,221	3,823,910	4,167,749	104,301	131,280	183,261
For sale ³	660,447	655,283	769,486	28,171	33,655	51,498
Wood pulp, total.....	4,276,204	4,409,344	4,862,885	124,072	156,175	223,178
For consumption ^{2,3}	3,664,556	3,789,204	4,122,515	100,873	127,607	177,097
For sale ³	611,648	620,140	740,370	23,199	28,568	46,081
Mechanical, total.....	1,197,553	1,449,240	1,637,653	23,612	34,100	47,223
For consumption ²	1,174,001	1,415,531	1,605,149	23,084	33,136	46,210
For sale.....	23,552	33,709	32,504	528	964	1,013
Sulphite fiber, bleached, total.....	726,473	740,812	839,953	33,866	42,308	62,153
For consumption ²	478,135	470,904	549,685	22,080	26,706	37,719
For sale.....	248,338	269,908	290,268	11,287	15,602	24,434
Sulphite fiber, unbleached, total.....	601,102	676,711	848,754	21,143	28,054	41,078
For consumption ²	454,076	529,599	685,990	15,800	23,097	33,216
For sale.....	147,026	147,112	162,764	5,343	4,957	7,832
Sulphate fiber, total.....	1,269,351	1,033,439	910,888	29,096	28,840	36,908
For consumption ²	1,171,545	971,148	794,685	26,930	27,055	32,298
For sale.....	87,806	62,291	116,203	2,166	1,784	4,610
Soda fiber, semichemical and other, for consumption and for sale.....	467,790	460,682	561,210	16,471	22,181	34,862
Screenings, mechanical for consumption and for sale.....	4,243	10,115	11,459	45	96	145
Screenings, chemical, total.....	29,092	38,345	52,968	339	596	809
For consumption ²	19,572	21,932	37,335	233	293	526
For sale.....	10,120	16,413	15,633	106	303	283
Other pulp, ³ total.....	89,464	69,849	74,350	8,399	8,759	11,581
For consumption ²	40,665	34,706	45,234	3,427	3,673	6,194
For sale.....	48,799	35,143	29,116	4,972	5,086	5,417

¹ See sec. 25, p. 13.

² Wood pulp made and consumed in the same plants or transferred to and consumed in other plants operated by the same companies.

³ Data for a small quantity of mechanical screenings for sale are included in the 1933 figures, and data for small quantities of semichemical pulp and mechanical screenings for sale are included in the 1931 and 1929 figures, to avoid disclosing approximations of amounts made for sale by individual establishments.

⁴ Revised.

⁵ Principally cottonseed-hull-fiber pulp, cotton-linters pulp, rag pulp, and reclaimed paper pulp.

TABLE 3.—WOOD-PULP PRODUCTION, BY QUANTITY, PROCESS, AND CONDITION, FOR THE UNITED STATES: 1933, 1932, 1931, AND 1929

PROCESS AND CONDITION	QUANTITY (tons of 2,000 pounds)			
	1933	1932	1931	1929
Aggregate.....	4,276,204	3,760,267	4,409,344	4,862,885
Mechanical, total.....	1,197,553	1,203,044	1,440,240	1,637,653
Not steamed.....	1,079,066	1,133,964	1,363,726	1,474,415
Steamed.....	118,487	69,080	85,514	163,238
Sulphite, total.....	1,327,575	1,145,639	1,417,523	1,688,707
Unbleached.....	601,102	548,702	676,711	848,754
Bleached.....	726,473	596,937	740,812	839,953
Sulphate, total.....	1,259,351	1,028,846	1,033,499	910,888
Unbleached.....	1,195,938	966,595	979,500	910,888
Bleached.....	63,413	62,251	53,939	
Soda fiber, semichemical and other.....	1,457,790	357,865	460,682	561,210
Screenings, total.....	33,935	24,873	48,460	64,427
Mechanical.....	4,243	278	10,115	11,459
Chemical.....	29,692	24,595	38,345	52,968

¹ Includes 346,738 tons of bleached soda pulp.

TABLE 4.—PULPWOOD CONSUMPTION, BY PROCESS, FOR THE UNITED STATES: 1933, 1932, 1931, AND 1929

YEAR	QUANTITY (cords)					
	Total	Mechanical	Sulphite	Soda	Sulphate	Semi-chemical
1933.....	6,581,674	1,110,105	2,568,160	665,470	2,118,049	119,890
1932.....	5,033,123	1,144,390	2,150,986	527,583	1,709,419	100,745
1931.....	6,722,766	1,371,389	2,781,685	685,520	1,770,940	116,232
1929.....	7,645,011	1,559,788	3,401,966	925,371	1,701,359	56,627

TABLE 5.—PULPWOOD CONSUMPTION—QUANTITY AND COST, BY KIND OF WOOD, FOR THE UNITED STATES: 1933, 1931, AND 1929

KIND OF WOOD	QUANTITY (cords)			COST		
	1933	1931	1929	1933	1931	1929
Total.....	6,581,674	6,722,766	7,645,011	\$48,507,790	\$73,524,059	\$100,054,139
Spruce:						
Domestic.....	1,495,061	1,651,051	2,074,267	15,704,350	24,993,928	34,830,982
Imported.....	576,000	676,339	1,029,913	6,927,426	12,084,537	20,480,540
Yellow pine, Southern.....	1,560,414	1,294,503	1,036,272	6,864,202	7,818,012	7,841,759
Hemlock:						
Domestic.....	1,101,642	1,185,272	1,309,170	6,695,399	9,992,168	12,960,742
Imported.....	10,914	5,776	15,379	68,931	62,848	188,067
Balsam fir:						
Domestic.....	261,466	338,790	317,552	2,018,343	4,267,573	4,181,525
Imported.....	41,465	55,601	45,412	446,593	942,072	810,011
Poplar, domestic and imported.....	353,438	360,841	487,295	3,494,228	4,954,863	7,319,560
Jack pine ¹	178,974	159,273	205,760	1,223,037	1,473,898	2,280,854
Beech, birch, and maple, domestic.....	93,032	69,681	76,950	846,715	942,077	1,140,686
White fir, domestic.....	154,847	109,277	111,054	620,510	798,791	1,012,991
Tamarack (larch), domestic.....	21,844	35,433	51,835	147,479	398,605	618,723
Other woods ²	252,436	222,886	322,867	1,606,622	1,764,349	3,437,802
Slabs and mill waste.....	480,141	558,043	561,285	1,753,955	3,030,338	2,949,869

¹ Domestic only for 1933; small quantities of imported wood included for 1931 and 1929.

² For 1933, domestic yellow poplar, chestnut, cottonwood, gum, Douglas fir, willow, basswood, white pine, and miscellaneous hardwoods not reported separately, and a small quantity of imported pine.

TABLE 6.—PAPER AND PAPERBOARD—PRODUCTION, BY KIND, QUANTITY, AND VALUE: 1933, 1931, AND 1929

	QUANTITY (tons of 2,000 pounds)			VALUE IN THOUSANDS OF DOLLARS ¹		
	1933	1931	1929	1933	1931	1929
1. Paper industry, all products, total.....				660,963	684,971	967,186
Paper and paperboard:						
2. Produced for sale.....	6,877,131	6,939,706	8,331,297	404,404	498,203	715,146
3. Produced for transfer to other plants of same companies.....	1,266,038	1,259,025	1,612,554	60,308	65,118	101,879
4. Products other than paper and paperboard (not normally belonging to the industry).....				96,250	121,650	150,161
5. Paper and paperboard produced for use in same plants.....	1,046,848	1,183,109	1,196,384	56,840	67,785	86,276
Paper and paperboard, aggregate (2, 3, and 5) ²	9,190,017	9,381,840	11,140,235	521,553	631,106	903,301
Newsprint and similar paper, total.....	1,213,096	1,514,543	1,772,591	47,837	86,143	109,315
Newsprint, standard, in rolls and sheets.....	928,332	1,203,263	1,409,169	32,206	63,654	80,707
Hanging paper.....	66,137	85,974	101,002	3,346	5,800	7,294
Catalog paper.....	62,954	89,382	111,771	4,250	7,064	9,571
Poster, novel, news-tablet, lining, etc.....	155,673	135,924	150,649	8,035	9,624	11,743
Book paper, total.....	1,080,196	1,208,674	1,497,912	83,244	120,283	168,272
Machine-finished, sized, and supercalendered.....	802,248	952,142	1,170,596	60,837	94,978	131,852
Body stock for coated paper.....	176,513	199,946	250,234	13,600	18,345	26,756
Lithograph.....	16,737	10,036	19,877	1,470	1,081	2,417
Offset.....	26,515	23,454	26,304	2,913	3,146	3,847
Text.....	5,699		(³) 767			(³)
Other book paper.....	52,484	23,096	24,901	3,641	2,732	3,400
Cover paper.....	12,697	23,520	28,072	2,104	4,372	6,430
Writing paper, total.....	478,356	487,598	607,590	61,330	77,865	113,224
Rag-content.....	65,998	79,718	118,619	10,507	26,959	42,653
Sulphite bond.....	282,766	246,971	284,009	29,247	31,304	41,724
Other chemical wood-pulp writing papers.....	129,592	160,909	204,362	12,577	19,602	28,846
Wrapping paper, total.....	1,440,029	1,401,667	1,605,783	95,768	110,885	163,442
Sulphite.....	267,487	199,780	215,777	18,706	17,605	20,075
Sulphate (kraft).....	932,598	867,743	840,468	51,675	58,715	79,011
Greaseproof.....	15,671	10,774	7,965	2,746	1,756	1,608
Glassine.....	38,441	37,666	47,438	7,132	6,685	9,737
Vegetable and other imitation parchment.....	9,186			1,184		
Other wrapping paper.....	176,646	285,704	488,135	14,324	20,125	51,211
Tissue paper, total.....	406,760	394,623	387,811	37,711	45,041	53,300
Toilet.....	202,861	150,652	142,725	16,034	14,320	15,103
Other tissue paper.....	203,899	243,971	245,086	21,678	30,721	38,197
Absorbent paper, total.....	79,832	76,592	90,800	12,082	14,774	16,073
Blotting.....	7,045	9,565	14,125	1,058	1,776	2,828
Other absorbent paper.....	72,787	67,027	76,675	11,024	12,998	14,145
Building paper, total.....	328,275	395,359	661,898	14,000	18,129	39,483
Sheathing.....	22,288	26,341	52,205	1,480	791	2,215
Asbestos and asbestos-filled.....	20,449	44,002	66,807	1,373	3,011	4,610
Rag felts and other building papers.....	285,538	325,016	542,886	11,207	14,327	32,652
Other paper.....	74,486	31,441	36,511	6,236	4,501	5,121
Paperboard, total.....	4,076,290	3,847,823	4,451,187	161,181	149,112	227,742
Container boards.....	2,020,617	1,903,792	2,255,577	72,271	62,155	90,163
Folding boxboards (bending).....	957,626	905,710	991,285	38,567	37,947	53,150
Set-up boxboards (nonbending).....	571,898	552,176	599,665	19,708	16,055	23,044
Binders' board.....	26,429	32,703	64,165	1,563	2,177	4,675
Cardboard.....	71,667	74,102	47,233	6,744	8,046	4,922
Leatherboard.....	21,437	26,715	24,228	1,799	2,681	2,942
Pressboard.....	7,241	4,000	11,901	1,168	823	2,480
Other boards ⁴	399,375	338,625	457,173	19,361	19,327	37,365

¹ See sec. 25, p. 13.² Figures include data for paper and paperboard used in the manufacture of converted paper products in the plants that produced the paper and paperboard as follows: 1933, 1,046,848 tons, valued at \$56,840,299; 1931, 1,183,109 tons, \$67,785,320; 1929, 1,196,384 tons, \$86,276,477.³ No data.⁴ Figures include data for building boards, as follows: 1933, 58,048 tons, valued at \$2,873,402; 1931, 112,049 tons, \$6,995,825; 1929, 143,129 tons, \$13,834,412.

TABLE 7.—WAGE EARNERS, BY MONTHS, FOR SELECTED STATES, FOR THE "PULP (WOOD AND OTHER FIBER)" INDUSTRY: 1933 AND 1931

[For average for the year, see table 1. The month of maximum employment is indicated by **bold-faced** figures and that of minimum employment by *italic* figures. See sec. 26, p. 13]

	NUMBER REPORTED FOR—											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<i>United States</i>												
1933.....	17,761	17,870	<i>17,681</i>	17,973	18,449	18,911	19,421	20,900	22,736	23,091	23,025	23,072
1931.....	20,349	20,778	20,769	20,944	20,825	20,491	20,367	20,027	19,678	19,738	19,539	<i>19,122</i>
<i>States</i>												
<i>Louisiana:</i>												
1933.....	<i>904</i>	948	915	939	943	1,090	1,233	1,480	1,588	1,573	1,606	1,639
1931.....	807	875	942	828	816	774	960	988	779	901	831	<i>697</i>
<i>Maine:</i>												
1933.....	2,607	2,639	2,618	2,562	2,579	<i>2,499</i>	2,575	2,859	2,943	3,110	3,130	3,109
1931.....	3,309	3,310	3,212	3,192	3,275	3,284	3,189	3,067	3,093	2,922	2,911	<i>2,845</i>
<i>Massachusetts:</i>												
1933.....	192	112	<i>106</i>	104	108	112	113	110	146	146	147	144
1931.....	209	212	216	214	214	214	212	208	204	204	201	<i>200</i>
<i>Michigan:</i>												
1933.....	<i>791</i>	736	755	799	786	801	784	859	883	942	893	884
1931.....	<i>669</i>	660	668	736	701	679	664	674	676	691	698	719
<i>Minnesota:</i>												
1933.....	672	680	682	744	791	803	725	<i>666</i>	830	773	760	762
1931.....	<i>412</i>	413	489	511	480	541	567	505	447	484	553	<i>534</i>
<i>New Hampshire:</i>												
1933.....	866	848	792	817	828	771	<i>746</i>	876	936	894	867	851
1931.....	1,397	1,309	1,165	1,214	1,200	1,091	952	885	<i>802</i>	837	829	840
<i>New York:</i>												
1933.....	1,686	1,654	<i>1,540</i>	1,577	1,704	1,745	1,813	1,905	1,964	1,981	2,032	2,120
1931.....	2,019	1,975	2,136	2,192	2,115	1,916	2,006	2,044	2,051	1,964	1,940	<i>1,911</i>
<i>North Carolina:</i>												
1933.....	1,049	1,043	1,065	1,057	<i>1,042</i>	1,073	1,074	1,173	1,250	1,267	1,284	1,292
1931.....	1,180	1,174	1,177	1,176	1,184	1,178	1,180	1,176	1,182	1,180	<i>1,099</i>	1,102
<i>Oregon:</i>												
1933.....	611	591	595	575	<i>552</i>	567	622	588	657	721	745	788
1931.....	764	757	787	739	806	773	663	606	<i>605</i>	612	610	738
<i>Pennsylvania:</i>												
1933.....	920	940	922	<i>913</i>	915	925	995	1,123	1,129	1,147	1,148	1,104
1931.....	1,099	1,190	1,136	1,077	1,096	1,086	1,103	1,068	1,128	1,140	1,087	<i>1,051</i>
<i>Tennessee:</i>												
1933.....	424	423	417	<i>411</i>	421	533	456	524	573	599	605	573
1931.....	540	512	503	498	482	<i>450</i>	489	504	519	560	561	562
<i>Vermont:</i>												
1933.....	59	49	48	72	48	58	57	<i>24</i>	53	70	75	87
1931.....	<i>67</i>	62	62	86	88	88	67	67	67	83	90	88
<i>Virginia:</i>												
1933.....	1,101	1,092	<i>1,066</i>	1,075	1,105	1,221	1,263	1,391	1,515	1,617	1,526	1,559
1931.....	<i>1,184</i>	1,220	1,290	1,329	1,344	1,356	1,324	1,333	1,346	1,331	1,308	1,226
<i>Washington:</i>												
1933.....	1,588	<i>1,537</i>	1,666	1,763	1,802	1,869	1,933	2,106	2,357	2,364	2,440	2,430
1931.....	2,016	2,106	<i>2,014</i>	2,250	2,299	2,311	2,245	2,195	2,007	2,048	2,152	2,154
<i>West Virginia:</i>												
1933.....	<i>523</i>	540	549	554	550	555	564	580	594	595	589	609
1931.....	<i>436</i>	488	505	513	525	578	579	577	581	574	570	593
<i>Wisconsin:</i>												
1933.....	<i>2,662</i>	2,730	2,685	2,733	2,724	2,799	2,905	2,984	3,221	3,199	3,060	3,062
1931.....	2,945	2,924	2,888	2,844	2,785	2,782	2,757	<i>2,699</i>	2,741	2,778	2,794	2,748

TABLE 8.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES, FOR THE "PAPER" INDUSTRY: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933 ¹				1931			
	March	June	Sept.	Dec.	March	June	Sept.	Dec.
United States.....	77,393	83,044	99,266	95,676	89,620	87,791	86,547	83,731
<i>States</i>								
California.....	1,339	1,454	1,895	1,763	1,576	1,581	1,583	1,464
Connecticut.....	1,214	1,269	1,547	1,455	1,799	1,742	1,682	1,661
Delaware.....	206	149	186	184	437	391	365	286
Illinois.....	2,293	2,677	3,504	3,172	3,218	3,132	3,080	2,775
Indiana.....	1,256	1,485	2,404	1,922	1,675	1,535	1,637	1,506
Louisiana.....	951	1,204	1,552	1,545	1,039	926	863	780
Maine.....	6,544	6,750	7,417	7,291	7,111	7,149	6,850	6,590
Maryland.....	1,122	1,267	1,346	1,362	1,151	1,109	1,108	1,120
Massachusetts.....	8,956	9,134	9,933	9,985	10,928	10,350	10,187	10,181
Michigan.....	8,566	9,472	11,443	10,706	9,222	9,281	8,819	8,280
Minnesota.....	1,309	1,328	1,630	1,671	1,235	1,099	1,041	1,255
New Hampshire.....	1,943	1,965	2,284	2,105	1,852	1,815	1,861	1,810
New Jersey.....	2,911	3,136	3,609	3,581	3,756	3,824	3,814	3,606
New York.....	9,175	9,677	11,202	10,680	11,209	10,779	10,818	10,677
Ohio.....	6,688	7,151	9,148	8,654	8,510	8,476	8,369	7,962
Oregon.....	1,167	1,228	1,550	1,754	1,125	1,310	1,267	1,254
Pennsylvania.....	5,967	6,498	7,883	7,667	6,300	6,294	6,263	6,043
Tennessee.....	323	346	493	481	549	558	552	531
Vermont.....	584	601	681	707	770	743	718	738
Virginia.....	1,490	1,640	2,067	1,999	1,688	1,670	1,663	1,614
Washington.....	1,681	1,904	2,290	2,196	1,988	1,913	1,895	1,859
West Virginia.....	507	537	578	597	580	586	614	595
Wisconsin.....	8,567	9,101	10,197	9,888	8,693	8,874	8,545	8,403

¹ See secs. 5, p. 4, and 13, p. 8. The 545 establishments canvassed with the standard schedule reported wage earners, by months, as follows:

January.....	75,501	May.....	78,322	September.....	97,614
February.....	76,534	June.....	81,638	October.....	97,103
March.....	76,153	July.....	86,188	November.....	94,669
April.....	76,952	August.....	94,187	December.....	94,046

CONVERTED PAPER PRODUCTS

[Preliminary reports for these industries were issued on April 30, 1934, and subsequent dates]

Description of the industries.—The industries included in the “Converted paper products” subgroup are engaged primarily in the conversion of paper and paperboard into containers and other commodities. These industries are as follows:

Bags, paper, exclusive of those made in paper mills.—The establishments classified in this industry are engaged primarily in the manufacture, from purchased paper, of bags for groceries and other merchandise, shopping bags, and garment bags. Some establishments in certain other industries manufacture the paper bags in which their products are shipped, but their production of such bags is not separately reported and consequently is not covered by this report.

Boxes, paper, not elsewhere classified.—The principal products of the establishments in this industry are shipping containers; cartons and folding boxes; set-up paper boxes; paper cans; decorated, lithographed, lacquered, and fancy-covered paper boxes; and other paper boxes and containers.

Cardboard, not made in paper mills.—The establishments in this industry are engaged primarily in surface coating and glazing paper, box board, fiber board, and the like. The principal products are printers' cardboard, display cut-outs, lithographic mounts, etc.

Card cutting and designing.—The leading products of this industry are index, library, and record cards; guides, etc.; stencil cards for addressing machines; photograph mats, mounts, and folders; pattern cards for weaving; and related products.

Envelopes.—This classification covers all manufacturers whose products of chief value are envelopes of any description, including those used for filing, wrapping, etc.

Paper goods not elsewhere classified.—The establishments in this industry are engaged primarily in the manufacture, from purchased paper stock, of waxed paper, glazed and fancy paper, toilet paper, coated book paper, and gummed tape; paper cups, dishes, spoons, etc.; paper napkins, waterproof wrapping paper, paper towels, crêpe and lace paper, bottle caps, playing cards, paper cores and tubes, and egg-case fillers; bag, barrel, and trunk linings; adding-machine and cash-register paper, soda straws, stencil paper, etc.

Wall paper.—This classification is applied to establishments engaged primarily in designing and printing wall paper, using as their principal material “hanging paper” manufactured in paper mills.

Statistics of products.—The differences between the values of the several products as given in table 2 and the values of products of the corresponding industries as given in table 1 are due to the fact that in many cases a given product is made not only as the primary product of one industry but also as a secondary product of others.

Extent of coverage.—All the establishments in the “Bags, paper, exclusive of those made in paper mills” industry, the “Cardboard, not made in paper mills” industry, and the “Wall paper” industry that reported at the census for 1931 were accounted for in the canvass for 1933. The 1933 coverage of the establishments reporting in the “Boxes, paper, not elsewhere classified” industry, the “Envelopes” industry, and the “Paper goods not elsewhere classified” industry

for 1931 was substantially complete. Although 50 such establishments in the first, 5 in the second, and 17 in the third of these industries failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, these establishments accounted for less than 1 percent of the total number of wage earners and of the total value of products reported for the respective industries for 1931. In the "Card cutting and designing" industry, three establishments, with slightly over 2 percent of the total number of wage earners and somewhat less than 1½ percent of the total value of products reported for 1931, failed to report for 1933.

TABLE 1.—SUMMARY FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

	Number of establishments	Number of salaried employ-ees 1 2	Number of wage earners (average for the year)	Salaries 2	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manu-fac-ture 3
THE GROUP AS A WHOLE								
<i>United States</i>								
1933.....	1,916	13,585	89,082	23,553	73,648	260,984	477,080	216,105
1931 *.....	2,009	(1)	89,186	(1)	89,936	271,005	520,421	249,916
1929 †.....	2,243	17,380	105,344	50,817	114,253	369,361	686,137	316,775
1927 ‡.....	2,043	16,427	101,077	43,450	110,152	358,252	647,908	289,656
BAGS, PAPER, EXCLUSIVE OF THOSE MADE IN PAPER MILLS								
<i>United States</i>								
1933.....	696	802	7,665	1,345	5,813	29,296	40,379	20,034
1931.....	95	(1)	6,836	(1)	6,423	33,427	54,291	20,864
1929.....	95	873	6,970	2,348	6,661	43,238	64,621	21,383
1927.....	88	833	6,463	2,113	6,394	40,735	57,490	16,755
BOXES, PAPER, NOT ELSEWHERE CLASSIFIED								
<i>United States</i>								
1933.....	1,104	5,891	47,220	9,938	37,614	126,326	223,004	96,679
1931.....	1,214	(1)	46,722	(1)	44,085	113,251	217,872	104,621
1929.....	1,249	7,800	55,654	22,315	57,110	159,840	294,253	134,414
1927.....	1,219	7,739	56,398	20,739	57,701	168,464	306,555	138,091
<i>States 1</i>								
Arkansas:								
1933.....	3	8	53	17	21	95	165	70
1931.....	3	(1)	41	(1)	23	55	118	63
California:								
1933.....	33	177	996	325	998	3,650	6,186	2,530
1931.....	36	(1)	1,125	(1)	1,216	3,936	6,016	2,980
Colorado:								
1933.....	6	23	128	52	122	286	504	308
1931.....	3	(1)	135	(1)	114	233	511	278
Connecticut:								
1933.....	42	197	1,907	335	1,661	4,472	7,930	3,459
1931.....	46	(1)	1,851	(1)	1,813	3,062	6,076	3,614
Georgia:								
1933.....	10	66	415	112	232	850	1,603	763
1931.....	10	(1)	390	(1)	251	766	1,482	716
Illinois:								
1933.....	98	725	4,572	1,014	3,809	13,294	23,931	10,637
1931.....	106	(1)	4,206	(1)	4,531	11,670	22,680	11,010
Indiana:								
1933.....	23	286	1,790	416	1,475	6,775	10,873	4,098
1931.....	23	(1)	1,731	(1)	1,617	6,053	10,187	4,131
Iowa:								
1933.....	9	40	238	46	141	626	874	248
1931.....	9	(1)	218	(1)	181	482	881	400
Louisiana:								
1933.....	6	33	367	61	239	1,430	2,178	747
1931.....	8	(1)	267	(1)	186	1,014	1,658	644
Maine:								
1933.....	7	14	99	22	73	124	260	126
1931.....	11	(1)	164	(1)	127	193	429	235

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Con.

	Number of establishments	Number of salaried employ-ees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manu-fac-ture ³
BOXES, PAPER, NOT ELSEWHERE CLASSIFIED—Con.								
<i>States¹—Con.</i>								
Maryland:								
1933	25	72	834	103	557	1,738	3,304	1,566
1931	26	(⁴)	949	(⁴)	697	1,943	3,710	1,767
Massachusetts:								
1933	97	536	4,211	858	3,490	10,145	18,578	8,432
1931	101	(⁴)	4,499	(⁴)	4,347	10,131	19,242	9,111
Michigan:								
1933	22	147	1,246	236	955	4,536	6,016	1,480
1931	23	(⁴)	1,074	(⁴)	1,027	3,701	5,739	2,038
Minnesota:								
1933	17	87	750	184	582	2,291	3,789	1,498
1931	16	(⁴)	589	(⁴)	585	2,009	3,530	1,521
Missouri:								
1933	47	321	2,398	527	1,814	5,404	9,943	4,539
1931	49	(⁴)	2,534	(⁴)	2,127	5,885	10,693	4,808
New Hampshire:								
1933	5	12	78	24	55	214	351	137
1931	8	(⁴)	107	(⁴)	89	189	383	194
New Jersey:								
1933	56	336	3,201	614	2,695	10,620	16,388	5,768
1931	64	(⁴)	2,829	(⁴)	2,747	8,337	14,493	6,156
New York:								
1933	269	1,103	9,788	1,953	8,186	21,446	43,217	21,771
1931	333	(⁴)	10,425	(⁴)	10,388	21,252	47,577	26,325
North Carolina:								
1933	12	36	457	108	279	1,026	2,043	1,017
1931	9	(⁴)	417	(⁴)	308	841	1,756	915
Ohio:								
1933	68	457	3,802	822	3,155	12,510	20,427	7,917
1931	68	(⁴)	3,373	(⁴)	3,275	9,228	16,883	7,655
Oregon:								
1933	8	24	114	30	88	196	420	223
1931	8	(⁴)	158	(⁴)	146	259	565	306
Pennsylvania:								
1933	134	555	4,869	877	3,468	9,468	18,032	8,585
1931	139	(⁴)	5,001	(⁴)	4,233	9,084	18,780	9,695
Rhode Island:								
1933	9	35	233	52	164	195	555	360
1931	12	(⁴)	414	(⁴)	318	365	1,096	731
Tennessee:								
1933	12	62	713	120	441	1,718	2,904	1,186
1931	11	(⁴)	446	(⁴)	334	867	1,709	842
Texas:								
1933	7	43	243	75	161	617	1,164	548
1931	10	(⁴)	312	(⁴)	223	635	1,237	602
Virginia:								
1933	11	56	498	107	343	1,377	2,288	910
1931	11	(⁴)	501	(⁴)	380	1,239	2,166	927
Washington:								
1933	13	55	363	100	284	1,266	2,347	1,082
1931	14	(⁴)	333	(⁴)	319	990	1,713	723
West Virginia:								
1933	8	34	324	68	228	1,384	2,309	924
1931	9	(⁴)	290	(⁴)	268	1,298	2,050	752
Wisconsin:								
1933	28	189	1,494	315	1,072	4,546	7,797	3,250
1931	28	(⁴)	1,467	(⁴)	1,370	4,089	7,434	3,345
Other States:⁸								
1933	19	162	1,040	366	824	4,018	6,539	2,521
1931	20	(⁴)	876	(⁴)	853	3,441	5,578	2,137
CARDBOARD, NOT MADE IN PAPER MILLS								
<i>United States</i>								
1933	⁹ 12	118	492	185	452	1,406	2,793	1,388
1931	12	(⁴)	520	(⁴)	599	1,656	3,594	1,938
1929	13	210	609	853	819	2,665	5,629	2,964
1927	9	238	658	788	849	2,868	5,581	2,713

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931.—CON.

	Number of establishments	Number of salaried employes ^{1, 2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
Thousands of dollars. (See sec. 25, p. 13)								
CARD CUTTING AND DESIGNING								
<i>United States</i>								
1933.....	10 64	320	1,804	610	1,535	4,029	10,138	6,108
1931.....	72	(⁴)	2,041	(⁴)	2,408	6,674	15,953	9,279
1929.....	70	470	2,338	1,383	2,725	9,256	19,648	10,362
1927.....	60	450	2,024	1,228	2,707	7,544	16,871	9,327
ENVELOPES								
<i>United States</i>								
1933.....	11 163	1,414	7,981	2,392	6,755	15,918	33,896	17,978
1931.....	162	(⁴)	8,924	(⁴)	9,658	22,452	46,943	24,491
1929.....	171	2,027	10,367	5,424	11,527	29,928	61,287	31,359
1927.....	153	1,718	9,745	4,177	10,755	28,973	56,006	27,033
LABELS AND TAGS¹²								
<i>United States</i>								
1929.....	153	997	4,474	3,107	5,869	10,556	28,042	17,487
1927.....	121	1,689	6,141	3,479	8,000	16,259	34,398	18,138
PAPER GOODS NOT ELSEWHERE CLASSIFIED								
<i>United States</i>								
1933.....	438	4,573	20,681	8,258	18,364	77,158	142,079	64,921
1931.....	464	(⁴)	20,409	(⁴)	22,769	84,395	162,074	77,679
1929.....	436	4,288	20,227	12,835	23,810	100,369	182,948	82,279
1927.....	340	2,934	14,837	8,639	17,765	78,797	140,948	62,151
<i>States⁷</i>								
California:								
1933.....	18	70	259	143	288	1,793	3,042	1,249
1931.....	14	(⁴)	211	(⁴)	291	1,711	3,113	1,402
Connecticut:								
1933.....	8	75	419	124	396	907	1,827	920
1931.....	7	(⁴)	165	(⁴)	178	512	945	433
District of Columbia:								
1933 ¹³	3	17	83	42	83	121	387	266
Georgia:								
1933.....	5	43	341	93	220	1,187	2,021	834
1931.....	6	(⁴)	348	(⁴)	284	1,279	2,212	933
Illinois:								
1933.....	35	336	1,526	681	1,531	6,254	15,249	8,995
1931.....	40	(⁴)	1,642	(⁴)	2,178	8,625	19,723	11,007
Indiana:								
1933.....	16	102	594	165	399	1,745	3,283	1,539
1931.....	16	(⁴)	694	(⁴)	526	2,352	4,090	1,737
Iowa:								
1933.....	3	13	71	24	60	379	627	249
1931.....	3	(⁴)	52	(⁴)	61	357	607	250
Massachusetts:								
1933.....	67	1,007	3,682	1,816	3,392	10,314	18,488	8,174
1931.....	68	(⁴)	3,887	(⁴)	4,426	12,426	21,974	9,547
Michigan:								
1933.....	20	176	948	290	723	3,866	6,537	2,670
1931.....	19	(⁴)	425	(⁴)	500	2,146	3,614	1,467
Missouri:								
1933.....	6	31	238	90	250	1,468	2,115	647
1931.....	8	(⁴)	362	(⁴)	429	2,016	3,049	1,034
New Jersey:								
1933.....	29	249	1,241	514	1,115	4,597	8,702	4,104
1931.....	32	(⁴)	1,619	(⁴)	1,975	7,347	15,193	7,845
New York:								
1933.....	100	815	3,892	1,384	3,372	13,776	26,239	12,464
1931.....	111	(⁴)	4,064	(⁴)	4,426	15,211	30,893	15,681

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE CONVERTED-PAPER-PRODUCTS INDUSTRIES, FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—CON.

	Number of establishments	Number of salaried employees ^{1, 2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
Thousands of dollars. (See sec. 25, p. 13)								
PAPER GOODS NOT ELSEWHERE CLASSIFIED—continued								
<i>States⁴—Continued</i>								
Ohio:								
1933.....	29	316	1,874	563	1,751	8,607	14,637	5,931
1931.....	23	(⁵)	1,992	(⁵)	2,359	6,852	15,890	9,038
Pennsylvania:								
1933.....	28	511	1,789	943	1,580	5,564	11,652	6,088
1931.....	35	(⁵)	1,479	(⁵)	1,489	4,165	10,088	5,924
Rhode Island:								
1933.....	11	46	341	78	283	699	1,203	594
1931.....	11	(⁵)	278	(⁵)	320	728	1,546	817
Texas:								
1933.....	6	36	239	77	200	959	1,761	802
1931.....	4	(⁵)	171	(⁵)	192	894	1,581	686
Washington:								
1933.....	4	16	53	20	49	363	577	214
1931.....	5	(⁵)	40	(⁵)	48	362	517	155
Wisconsin:								
1933.....	19	273	1,247	498	965	5,249	9,265	4,016
1931.....	20	(⁵)	1,152	(⁵)	1,190	7,058	10,917	3,859
Other States:¹⁴								
1933.....	31	441	1,846	712	1,724	9,809	14,474	5,165
1931.....	37	(⁵)	1,828	(⁵)	1,894	10,352	16,124	5,771
WALL PAPER								
<i>United States</i>								
1933.....	¹⁵ 39	467	3,239	826	3,116	6,851	15,800	8,948
1931.....	50	(⁵)	3,734	(⁵)	3,994	9,150	20,194	11,044
1929.....	56	715	4,705	2,551	5,732	13,480	30,008	16,527
1927.....	53	826	4,811	2,288	5,981	14,612	30,059	15,447

* Revised.

¹ Not including proprietors and firm members, as follows: "Bags, paper, exclusive of those made in paper mills," 1933, 8; 1931, no data; 1929, 18; 1927, 27. "Boxes, paper, not elsewhere classified," 1933, 250; 1931, no data; 1929, 440; 1927, 512. "Cardboard, not made in paper mills," 1933, 1; 1931, no data; 1929, 1; 1927, 1. "Card cutting and designing," 1933, 21; 1931, no data; 1929, 45; 1927, 31. "Envelopes," 1933, 17; 1931, no data; 1929, 38; 1927, 33. "Labels and tags," 1929, 57; 1927, 40. "Paper goods not elsewhere classified," 1933, 86; 1931, no data; 1929, 103; 1927, 99. "Wall paper," 1933, 2; 1931, no data; 1929, 1; 1927, 1.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ No data.

⁵ The figures for 1929 and 1927 are not strictly comparable with those for 1933 and 1931 because of the abandonment of "Labels and tags" as an industry classification. See footnote 12.

⁶ Ala., 2 establishments; Ark., 1; Calif., 4; Ill., 4; Ind., 3; La., 6; Me., 2; Md., 4; Mass., 5; Mo., 1; N. J., 5; N. Y., 28; Ohio, 15; Pa., 9; Tex., 1; Va., 2; Wash., 3; Wis., 1.

⁷ See sec. 26, p. 13.

⁸ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 1, 1; Del., 1, 1; D. C., 2, 2; Fla., 1, 1; Kans., 3, 4; Ky., 4, 4; Nebr., 1, 1; Okla., 2, 2; S. Dak., 1, 1; Utah, 2, 2; Va., 1, 1.

⁹ Calif., 1 establishment; Ill., 2; Ind., 1; Mass., 1; Nebr., 1; N. Y., 2; Pa., 3; R. I., 1.

¹⁰ Calif., 3 establishments; D. C., 1; Ill., 3; Mass., 5; Mich., 4; Mo., 2; N. J., 5; N. Y., 20; N. C., 1; Ohio, 6; Pa., 10; R. I., 2; Wis., 2.

¹¹ Calif., 8 establishments; Colo., 1; Conn., 2; D. C., 1; Ga., 1; Ill., 20; Ind., 2; Iowa, 1; Ky., 2; La., 1; Md., 4; Mass., 13; Mich., 5; Minn., 9; Mo., 9; Nebr., 2; N. Y., 39; Ohio, 9; Okla., 1; Oreg., 1; Pa., 14; Tex., 4; Va., 3; Wash., 2; Wis., 4.

¹² Abandoned as a separate industry classification. The 1933 and 1931 data for printed and lithographed labels and tags are included with those for the Printing, Publishing, and Allied Industries group.

¹³ Figures for 1931 withheld to avoid disclosing approximations of data for individual establishments; included in items for "Other States."

¹⁴ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 0, 1; Ariz., 0, 1; Colo., 1, 1; Del., 1, 1; D. C. (1931), 3; Kans., 1, 0; Ky., 2, 1; La., 1, 1; Me., 1, 1; Md., 2, 3; Minn., 3, 3; Nebr., 1, 2; N. H., 3, 3; Oreg., 4, 5; Tenn., 4, 4; Vt., 3, 3; Va., 4, 4.

¹⁵ Conn., 1 establishment; Ill., 1; Ind., 1; Mass., 2; N. J., 1; N. Y., 11; Ohio, 3; Pa., 8; Wis., 1.

TABLE 2.—CONVERTED PAPER PRODUCTS—PRODUCTION, BY KIND AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

	1933	1931	1929
1. "Converted paper products" industries, all products, total value.....	\$477, 088, 593	\$520, 921, 231	\$686, 136, 843
2. Converted paper products.....	465, 494, 407	508, 111, 446	638, 889, 650
3. Other products (not normally belonging to the industries).....	11, 287, 957	111, 788, 712	46, 508, 549
4. Receipts for custom (or contract) work.....	306, 229	1, 021, 073	738, 644
5. Converted paper products made as secondary products by establishments in other industries (principally paper mills), value.....	111, 719, 089	126, 555, 459	178, 835, 397
Converted paper products, aggregate value (2 and 5).....	577, 213, 496	634, 666, 905	817, 725, 047
Bags, paper, total.....	57, 375, 490	61, 575, 890	70, 124, 252
Kraft.....	44, 044, 395	46, 271, 015	63, 884, 477
Other.....	13, 331, 095	15, 304, 875	15, 239, 776
Bottle caps, paper.....	6, 373, 093	6, 889, 745	5, 523, 755
Boxes and containers, paper and paperboard.....	253, 557, 455	259, 807, 139	345, 445, 958
Cards, cut and designed.....	10, 967, 448	15, 197, 373	16, 104, 053
Cardboard (converted).....	4, 869, 736	4, 205, 291	6, 937, 388
Coated book paper.....	22, 990, 863	33, 398, 853	49, 514, 433
Crêpe paper.....	1, 659, 899	8, 051, 488	5, 003, 664
Cups, paper.....	10, 321, 080	12, 117, 287	10, 713, 637
Dishes, spoons, etc., paper.....	1, 944, 371	3, 851, 952	6, 113, 115
Envelopes.....	33, 062, 968	45, 270, 347	57, 657, 514
Glazed and fancy paper.....	6, 127, 245	7, 053, 074	10, 675, 108
Gummed paper and tape.....	9, 686, 858	8, 778, 886	13, 025, 734
Lace, paper.....	1, 547, 753	2, 127, 989	2, 152, 334
Napkins, paper.....	6, 524, 162	6, 337, 307	6, 899, 617
Papeteries.....	5, 918, 480	6, 156, 691	17, 459, 242
Rolls, paper (for adding machines, etc.).....	1, 348, 425	1, 885, 299	1, 768, 206
Tablets.....	10, 842, 604	6, 900, 588	9, 446, 543
Toilet paper.....	24, 287, 172	25, 444, 227	25, 323, 220
Towels, paper.....	6, 598, 095	7, 857, 541	3, 035, 657
Tubes, paperboard.....	4, 608, 979	3, 412, 348	6, 037, 140
Wall paper ³	15, 794, 369	20, 159, 360	30, 004, 881
Waterproof wrapping paper.....	1, 883, 415	3, 213, 439	3, 259, 295
Waxed paper.....	30, 640, 886	34, 034, 660	35, 464, 098
Other converted paper and paperboard products ⁴	43, 254, 750	55, 900, 131	65, 085, 198

¹ Revised.

² Includes \$28,042,325, value of products reported by establishments classified in the "Labels and tags" industry. This industry was treated as belonging in the Converted Paper Products group at the censuses for 1929 and prior years, but was abandoned as a separate classification at the census for 1931. See footnote 12, table 1.

³ Number of rolls: 1933, 289,120,472; 1931, 301,398,613; 1929, 373,893,950.

⁴ Includes, for 1933, cigarette paper, playing cards, twisted paper (cord, twine, etc.), patterns other than printed or lithographed, unprinted tags, and miscellaneous products not specifically reported by kind; for 1931, same commodities and in addition confetti, roofing paper, and file folders; for 1929, same commodities as for 1931 except patterns, tags, and file folders.

TABLE 3.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence sec. 13, p. 8.) See sec. 26, p. 13]

	1933				1931			
	March	June	Sept.	Dec.	March	June	Sept.	Dec.
BOXES, PAPER, NOT ELSEWHERE CLASSIFIED								
United States.....	41, 917	44, 945	54, 430	50, 506	46, 620	46, 033	47, 701	46, 697
<i>States</i>								
Arkansas.....	40	42	59	69	33	39	51	41
California.....	895	897	1, 114	1, 190	1, 131	1, 118	1, 080	1, 143
Colorado.....	106	143	153	136	124	155	140	139
Connecticut.....	1, 795	1, 730	2, 181	2, 078	1, 869	1, 946	1, 813	1, 751
Georgia.....	341	429	485	449	384	377	402	409
Illinois.....	3, 985	4, 195	5, 196	5, 081	4, 167	4, 083	4, 331	4, 264
Indiana.....	1, 452	1, 612	2, 233	1, 887	1, 711	1, 683	1, 724	1, 888
Iowa.....	200	267	245	217	227	203	221	200
Kansas.....	228	307	357	308	236	264	276	241
Kentucky.....	188	213	267	285	260	222	265	229
Louisiana.....	283	345	472	397	282	256	271	263
Maine.....	106	108	114	65	167	172	165	163
Maryland.....	807	820	908	804	973	917	923	984
Massachusetts.....	3, 837	3, 938	4, 667	4, 401	4, 417	4, 446	4, 738	4, 347
Michigan.....	895	1, 198	1, 784	1, 244	1, 031	1, 082	1, 113	1, 055
Minnesota.....	669	782	869	739	576	551	608	586
Missouri.....	2, 186	2, 312	2, 719	2, 490	2, 572	2, 523	2, 558	2, 463
New Hampshire.....	71	80	79	77	103	111	112	98
New Jersey.....	2, 606	3, 000	3, 777	3, 571	2, 716	2, 803	2, 917	2, 925
New York.....	8, 945	9, 422	10, 906	10, 383	10, 579	10, 131	10, 670	10, 348
North Carolina.....	415	441	501	490	419	410	416	412
Ohio.....	3, 448	3, 514	4, 585	4, 243	3, 354	3, 278	3, 337	3, 406
Oregon.....	117	112	111	124	167	157	146	160
Pennsylvania.....	4, 345	4, 733	5, 492	5, 168	4, 941	5, 020	5, 192	5, 101
Rhode Island.....	175	221	299	296	401	385	415	451
Tennessee.....	863	677	831	702	441	469	462	430
Texas.....	238	233	275	244	306	295	317	339
Virginia.....	458	468	587	495	508	497	505	485
Washington.....	276	368	433	382	333	323	348	313
West Virginia.....	256	289	394	455	305	291	279	253
Wisconsin.....	1, 247	1, 545	1, 716	1, 479	1, 509	1, 458	1, 471	1, 424
PAPER GOODS NOT ELSEWHERE CLASSIFIED								
United States.....	18, 398	20, 056	23, 405	21, 741	20, 845	20, 834	20, 448	19, 338
<i>States</i>								
California.....	234	240	283	296	200	218	219	214
Connecticut.....	389	415	452	413	171	171	173	139
District of Columbia.....	75	77	116	77	117	114	88	89
Georgia.....	272	336	394	351	339	361	370	331
Illinois.....	1, 263	1, 447	1, 689	1, 632	1, 744	1, 624	1, 576	1, 628
Indiana.....	550	651	624	488	744	808	731	527
Iowa.....	70	73	88	63	63	54	52	43
Massachusetts.....	3, 137	3, 357	4, 345	4, 014	3, 945	3, 855	3, 895	3, 764
Michigan.....	784	980	1, 065	1, 108	405	470	470	411
Minnesota.....	171	179	169	172	148	146	137	135
Missouri.....	214	243	303	216	332	384	373	345
New Hampshire.....	400	510	647	554	488	497	492	464
New Jersey.....	1, 202	1, 242	1, 339	1, 284	1, 681	1, 702	1, 621	1, 473
New York.....	3, 497	4, 084	4, 283	3, 940	4, 136	4, 110	4, 021	3, 938
Ohio.....	1, 757	1, 600	2, 111	2, 164	2, 191	2, 146	1, 940	1, 873
Oregon.....	151	174	194	173	136	158	168	154
Pennsylvania.....	1, 708	1, 775	1, 888	1, 796	1, 461	1, 506	1, 586	1, 321
Rhode Island.....	300	333	394	339	285	280	275	268
Tennessee.....	63	98	127	119	34	35	31	41
Texas.....	187	203	285	294	171	174	180	179
Vermont.....	144	142	209	170	156	170	200	198

For footnote, see end of table.

TABLE 3.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931—Continued

[See note at head of table]

	1933 ¹				1931			
	March	June	Sept.	Dec.	March	June	Sept.	Dec.
PAPER GOODS NOT ELSEWHERE CLASSIFIED—continued								
States—Continued								
Virginia.....	178	184	226	190	202	195	214	201
Washington.....	49	54	58	54	40	41	39	39
Wisconsin.....	1,065	1,183	1,436	1,272	1,169	1,167	1,147	1,129

¹ See secs. 5, p. 4, and 13, p. 8. The establishments canvassed with the standard schedule reported wage earners, by months, as follows:

Boxes, paper, not elsewhere classified—Number of establishments reporting, 874.

January.....	38,569	May.....	40,563	September.....	51,814
February.....	39,687	June.....	42,614	October.....	52,056
March.....	39,737	July.....	45,343	November.....	50,695
April.....	39,140	August.....	49,393	December.....	47,936

Paper goods not elsewhere classified—Number of establishments reporting, 343.

January.....	17,769	May.....	18,590	September.....	22,724
February.....	18,295	June.....	19,442	October.....	22,240
March.....	17,833	July.....	20,673	November.....	21,629
April.....	18,196	August.....	22,243	December.....	21,136

Group 5.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

THE GROUP AS A WHOLE

[See p. 39.]

For census purposes, printing and publishing and the several allied activities specified below are classified together as one of the 16 major groups of industries covered by the Census of Manufactures, and the group is divided into two subgroups, namely, (1) "Printing and publishing" and (2) "Allied industries."

The first of these subgroups embraces all establishments engaged in either printing or publishing and is made up of two industries, "Printing and publishing, book, music, and job" and "Printing and publishing, newspaper and periodical."

The second subgroup covers those industries more or less closely allied to printing and publishing, namely, (1) "Bookbinding and blank-book making"; (2) "Engravers' materials"; (3) "Engraving (other than steel, copperplate, or wood), chasing, etching, and die-sinking"; (4) "Engraving, steel, copperplate, and wood, and plate printing"; (5) "Lithographing"; (6) "Photo-engraving, not done in printing establishments"; (7) "Printers' supplies"; (8) "Stereotyping and electrotyping, not done in printing establishments."

Changes in classification.—The former industry classification "Printing and publishing, music" has been abandoned, and those establishments which are engaged in music printing and publishing, or in music printing only, are now classified in the "Printing and publishing, book, music, and job" (formerly "Printing and publishing, book and job") industry. Establishments engaged solely in publishing music, formerly classified in the "Printing and publishing, music" industry, are no longer canvassed for manufactures-census purposes. The former "Printing materials, not including type or ink" and "Type founding" classifications have been combined under the title "Printers' supplies."

Duplication in value of products and value added by manufacture.—The statistics for this group of industries include some duplication both in the value of products and in the value added by manufacture, as given in the table below and in table 1. This duplication results from the fact that some publishers employ other establishments to do all or a part of their engraving, lithographing, printing, and bookbinding. The amounts paid for such work, which are reported by the publishing establishments under the head "Paid for contract work," appear as "Value of products" in the returns made by lithographing, engraving, commercial-printing, and bookbinding establishments. The duplication appears not only in the total value of products but also in the value added by manufacture, which is calculated by subtracting the cost of materials, fuel, and purchased electric energy (not including amounts paid for contract work) from the total value of products.

SUMMARY FOR GROUP 5.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES: 1927 TO 1933

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹
Aggregate for the group.	1933	19,395	264,106	\$355,625,374	\$377,844,587	\$1,733,437,479	\$1,355,592,892
	1931	24,918	316,769	538,010,826	581,020,590	2,497,214,143	1,916,193,553
	1929	27,522	357,988	636,371,372	766,483,548	3,170,139,651	2,403,656,103
	1927	25,493	323,603	586,183,261	755,037,668	2,859,860,389	2,104,822,721
Printing and publishing, total.	1933	16,857	213,786	292,471,753	325,939,297	1,524,989,686	1,199,050,389
	1931	21,978	255,480	438,629,734	513,208,350	2,212,267,193	1,699,053,845
	1929	24,360	281,119	506,290,168	660,029,112	2,760,195,928	2,100,166,516
	1927	22,558	262,740	474,638,841	664,528,306	2,521,208,269	1,856,679,963
Printing and publishing, book, music, and job ²	1933	9,224	104,609	128,982,283	141,239,213	519,990,325	378,751,112
	1931	11,787	135,977	212,930,808	213,928,154	804,018,725	590,090,571
	1929	12,836	151,459	252,891,093	268,291,407	1,021,897,036	753,605,629
	1927	11,585	143,341	243,488,158	254,714,426	936,132,577	681,418,331
Printing and publishing, newspaper and periodical.	1933	7,633	109,087	163,489,500	184,700,084	1,004,999,361	\$20,299,277
	1931	10,211	119,503	225,698,926	299,280,196	1,408,248,468	1,108,968,272
	1929	11,524	129,660	253,399,075	391,737,705	1,738,298,892	1,346,561,187
	1927	10,973	119,399	231,150,683	409,813,880	1,585,075,512	1,175,261,632
Allied industries, total.	1933	2,538	50,320	63,153,591	51,905,290	208,447,793	156,542,503
	1931	2,948	62,308	100,586,109	69,801,994	290,237,066	220,435,072
	1929	3,162	76,869	130,081,204	106,454,436	409,943,723	303,489,287
	1927	2,875	65,863	111,544,420	90,509,362	338,652,120	248,142,758
Bookbinding and blank-book making.	1933	863	16,865	16,090,886	15,685,833	56,010,795	40,324,962
	1931	1,050	21,210	25,366,304	21,391,592	79,779,955	58,388,363
	1929	1,108	24,764	31,779,037	30,754,777	102,783,405	72,028,628
	1927	1,063	21,909	28,281,066	25,875,185	87,327,392	61,452,207
Engravers' materials.....	1933	16	224	242,835	867,865	1,684,610	816,745
	1931	21	275	443,677	1,165,724	2,319,223	1,153,499
	1929	19	313	448,385	1,794,804	3,129,483	1,334,679
	1927	17	178	293,962	1,289,261	2,168,737	979,476
Engraving (other than steel, copperplate, or wood), chasing, etching, and die-sinking.	1933	77	1,089	1,093,507	920,685	3,425,494	2,504,809
	1931	133	1,467	2,047,611	1,439,812	5,007,496	4,167,684
	1929	189	2,240	3,211,743	2,583,039	10,933,741	8,350,702
	1927	173	1,805	2,612,434	2,078,160	7,930,688	5,852,628
Engraving, steel, copperplate, and wood, and plate printing.	1933	343	5,033	5,264,803	3,637,209	16,222,544	12,585,335
	1931	432	6,995	9,503,497	6,424,732	27,425,476	21,000,744
	1929	483	10,272	14,812,941	11,947,014	47,900,592	35,953,578
	1927	416	8,681	12,176,514	10,312,570	39,712,542	29,399,972
Lithographing.....	1933	346	14,579	18,122,836	21,448,998	68,188,447	46,739,449
	1931	364	16,215	25,722,990	26,606,611	87,433,164	60,826,553
	1929	376	18,979	32,021,919	38,992,142	121,014,321	82,022,179
	1927	309	16,348	27,465,562	32,703,772	97,050,124	64,346,352
Photo-engraving, not done in printing establishments.	1933	600	7,907	14,788,323	5,601,528	37,582,592	31,981,064
	1931	617	10,095	24,990,256	7,408,475	56,019,675	48,611,200
	1929	654	12,353	31,831,176	11,003,121	77,382,259	66,379,138
	1927	611	11,033	28,381,480	10,790,128	69,207,376	58,417,248
Printers' supplies ⁴	1933	86	889	1,062,177	1,134,120	5,327,499	4,193,379
	1931	108	1,188	1,604,891	1,774,568	7,070,136	5,295,568
	1929	103	1,471	2,205,327	2,832,658	11,182,625	8,349,967
	1927	89	1,407	2,060,637	2,783,433	9,706,047	6,922,614
Stereotyping and electrotyping, not done in printing establishments.	1933	207	3,734	6,488,224	2,609,052	20,005,812	17,306,760
	1931	223	4,857	10,916,883	3,590,480	24,581,941	48,611,461
	1929	230	6,487	13,770,676	6,546,881	35,617,297	29,070,416
	1927	197	4,502	10,272,775	4,676,853	25,549,214	20,872,361

¹ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

² Revised; revision not carried into aggregate for group.

³ Formerly two industries, "Printing and publishing, book and job" and "Printing and publishing, music." (See "Changes in classification," p. 279.)

⁴ Formerly two industries, "Printing materials, not including type or ink" and "Type founding."

BOOKBINDING AND BLANK-BOOK MAKING; ENGRAVING, STEEL, COPPERPLATE, AND WOOD, AND PLATE PRINTING; LITHOGRAPHING; PHOTO-ENGRAVING, NOT DONE IN PRINTING ESTABLISHMENTS; STEREOTYPING AND ELECTROTYPING, NOT DONE IN PRINTING ESTABLISHMENTS

[Preliminary reports for these industries, except "Bookbinding and blank-book making," were issued on Sept. 20, 1934, and subsequent dates]

Description of the industries.—The "Bookbinding and blank-book making" industry embraces establishments engaged primarily in the binding of books and pamphlets; the manufacture of blank books, such as ledgers, account books, sales books, etc.; and the manufacture of loose-leaf devices and fillers for such devices. Some of the establishments also perform related work, such as paper ruling and cutting and map and sample mounting. The classification does not cover binderies operated by publishers for binding their own publications.

The principal activities of the establishments assigned to the "Engraving, steel, copperplate, and wood, and plate printing" industry are engraving steel and copper plates for printing stationery, visiting and other cards, invitations, announcements, securities, bonds, stock certificates, music, maps, half-tones, etc.; printing from these plates; and making woodcuts for use in printing illustrations, posters, etc. Woodcuts are made to some extent by establishments classified in the printing and publishing industries, but the value of such work is not separately reported. The distinction between this industry and "Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking" lies in the fact that the plates engraved in this industry are all intended for use in printing.

The establishments in the "Lithographing" industry are engaged primarily in drawing or transferring designs and preparing lithograph plates of stone or metal, and in printing from such plates. The products include calendars, bank notes, commercial and bank forms, maps, picture post cards, advertising signs and pictures, billheads, circulars, etc. Cigar bands, blank checks and drafts, bonds, letterheads, passbooks, etc., are reported as products both of this and of the "Engraving, steel, copperplate, and wood, and plate printing" industry. Some of the establishments in the lithographing industry draw designs and prepare lithograph plates for use by others in printing. The "value of products" of this industry is therefore made up in part of the actual values of the calendars, bank notes, etc., printed from lithograph plates, and in part of the value of plates made for others.

The primary products of the establishments in the "Photo-engraving, not done in printing establishments" industry are photo-engraved plates for printing illustrations, art work, post cards, greeting cards, magazine covers, half-tone engravings, etc. Such establishments do not, as a rule, print from the plates which they make, but prepare them for use by others.

The industry classification "Stereotyping and electrotyping, not done in printing establishments" embraces establishments engaged primarily in making stereotype and electrotype plates, and therefore does not cover stereotyping and electrotyping done by printing and publishing establishments.

Extent of coverage.—The 1933 coverage of the establishments reporting in these industries for 1931 was nearly complete. Although 69 establishments in the first industry, 22 in the second, 11 in the third, 13 in the fourth, and 6 in the fifth failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, these establishments accounted for less than 1.2 percent of the total number of wage earners and of the total value of products reported for the respective industries for 1931. In most cases these percentages were less than 1, and for the lithographing industry they were less than one-half of 1.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1,2}	Number of wage earners (average for the year)	Salaries ²	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
BOOKBINDING AND BLANK-BOOK MAKING									
<i>United States</i>									
1933.....	863	2,698	16,865	3,947	16,091	854	15,686	56,011	40,325
1931.....	1,050	(⁴)	21,216	(⁴)	25,356	1,112	21,392	79,780	58,388
1929.....	1,108	4,065	24,754	10,855	31,779	(⁴)	30,755	102,783	72,029
1927.....	1,063	3,641	21,909	8,832	28,281	(⁴)	25,875	87,327	61,452
<i>States</i>									
California:									
1933.....	50	232	771	375	903	41	936	3,947	3,011
1931.....	58	(⁴)	941	(⁴)	1,362	55	1,401	5,306	3,905
Colorado:									
1933.....	7	4	49	3	37	-----	26	117	92
1931.....	8	(⁴)	58	(⁴)	66	2	40	193	153
Connecticut:									
1933.....	5	3	22	2	22	-----	8	54	45
1931.....	8	(⁴)	29	(⁴)	33	5	18	99	81
District of Columbia:									
1933.....	5	3	35	4	44	3	14	106	92
1931.....	5	(⁴)	57	(⁴)	75	4	17	146	129
Georgia:									
1933.....	6	5	34	7	31	-----	21	109	88
1931.....	6	(⁴)	35	(⁴)	35	-----	19	97	79
Illinois:									
1933.....	94	360	2,008	549	1,863	141	2,228	6,891	4,664
1931.....	112	(⁴)	2,433	(⁴)	2,928	114	2,870	10,131	7,261
Indiana:									
1933.....	12	16	89	22	81	-----	60	274	215
1931.....	13	(⁴)	105	(⁴)	124	(⁶)	137	412	276

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars.</i> (See sec. 25, p. 13)									
BOOKBINDING AND BLANK-BOOK MAKING—contd.									
<i>States—Continued</i>									
Iowa:									
1933.....	9	26	99	32	92	22	103	373	270
1931.....	9	(¹)	118	(¹)	156	40	150	535	386
Kentucky:									
1933.....	3	2	31	(¹)	20	-----	7	37	30
1931.....	3	(¹)	32	(¹)	24	1	10	53	44
Maine:									
1933.....	5	2	22	(¹)	22	-----	10	65	55
1931.....	4	(¹)	23	(¹)	31	2	48	116	68
Maryland:									
1933.....	11	79	323	102	280	185	434	1,414	980
1931.....	11	(¹)	324	(¹)	337	233	427	1,506	1,079
Massachusetts:									
1933.....	73	368	2,620	598	2,549	65	2,137	7,834	5,696
1931.....	84	(¹)	3,022	(¹)	3,560	50	2,377	9,349	6,971
Michigan:									
1933.....	22	159	568	225	529	13	799	2,569	1,770
1931.....	27	(¹)	861	(¹)	1,081	27	1,141	3,775	2,633
Minnesota:									
1933.....	14	29	118	37	118	70	128	579	451
1931.....	14	(¹)	135	(¹)	147	-----	176	641	465
Missouri:									
1933.....	29	53	287	53	243	-----	197	709	572
1931.....	40	(¹)	643	(¹)	780	5	719	2,678	1,960
Nebraska:									
1933.....	6	8	18	10	17	-----	35	159	124
1931.....	6	(¹)	23	(¹)	26	36	30	238	208
New Jersey:									
1933.....	19	36	340	80	337	2	387	1,085	698
1931.....	22	(¹)	399	(¹)	483	7	538	1,560	1,022
New York:									
1933.....	302	865	6,259	1,149	6,186	235	5,266	20,212	14,046
1931.....	397	(¹)	8,243	(¹)	10,090	386	7,611	29,857	22,246
Ohio:									
1933.....	45	122	865	205	773	17	873	3,001	2,128
1931.....	56	(¹)	927	(¹)	1,050	36	1,042	3,783	2,741
Oklahoma:									
1933.....	6	5	45	6	45	-----	27	154	127
1931.....	7	(¹)	60	(¹)	52	1	29	215	186
Oregon:									
1933.....	6	6	22	4	26	6	28	92	64
1931.....	6	(¹)	36	(¹)	49	10	35	162	117
Pennsylvania:									
1933.....	73	103	989	168	804	17	830	2,584	1,754
1931.....	80	(¹)	1,300	(¹)	1,294	17	1,096	3,814	2,718
Texas:									
1933.....	10	15	96	29	65	19	102	328	226
1931.....	9	(¹)	90	(¹)	78	39	71	362	291
Utah:									
1933.....	4	4	13	4	11	5	8	40	32
1931.....	5	(¹)	16	(¹)	21	10	12	66	53
Washington:									
1933.....	11	19	71	24	72	2	118	322	204
1931.....	14	(¹)	107	(¹)	123	6	160	488	337
Wisconsin:									
1933.....	13	66	279	79	243	11	370	826	457
1931.....	18	(¹)	389	(¹)	431	22	672	1,554	882
Other States: ⁴									
1933.....	23	108	787	181	675	1	535	2,069	1,535
1931.....	28	(¹)	800	(¹)	919	4	557	2,654	2,098

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³	
										Thousands of dollars. (See sec. 25, p. 13)
<i>United States</i>										
1933.....	343	960	5,033	1,540	5,265	363	3,687	16,223	12,585	
1931.....	432	(⁴)	6,995	(⁴)	9,503	469	6,425	27,425	21,001	
1929.....	483	2,079	10,272	6,010	14,813	(⁴)	11,947	47,001	35,954	
1927.....	416	1,743	8,681	4,428	12,177	(⁴)	10,313	39,713	29,400	
<i>States</i>										
<i>California:</i>										
1933.....	29	27	150	22	153	7	132	495	363	
1931.....	39	(⁴)	172	(⁴)	245	21	219	795	575	
<i>Connecticut:</i>										
1933 ¹	7	18	77	19	74	11	67	199	132	
<i>District of Columbia:</i>										
1933.....	6	13	41	16	47	2	45	167	122	
1931.....	7	(⁴)	68	(⁴)	98	9	101	308	206	
<i>Illinois:</i>										
1933.....	36	90	411	112	447	8	373	1,354	981	
1931.....	53	(⁴)	784	(⁴)	1,057	48	949	3,374	2,424	
<i>Indiana:</i>										
1933.....	9	14	56	13	47	(⁴)	30	144	114	
1931.....	8	(⁴)	69	(⁴)	61	3	47	201	164	
<i>Kentucky:</i>										
1933.....	9	20	117	20	65	-----	84	229	144	
1931.....	9	(⁴)	164	(⁴)	145	1	151	550	399	
<i>Louisiana:</i>										
1933.....	3	2	10	(⁴)	8	-----	10	27	17	
1931.....	3	(⁴)	12	(⁴)	17	-----	22	58	36	
<i>Maryland:</i>										
1933.....	5	4	22	3	13	-----	15	51	36	
1931.....	6	(⁴)	41	(⁴)	36	2	18	91	73	
<i>Massachusetts:</i>										
1933.....	20	57	411	88	319	6	426	1,255	830	
1931.....	27	(⁴)	524	(⁴)	572	15	738	2,211	1,473	
<i>Michigan:</i>										
1933.....	8	17	58	14	44	2	61	190	129	
1931.....	8	(⁴)	44	(⁴)	57	6	36	157	120	
<i>Minnesota:</i>										
1933.....	7	8	36	7	32	1	37	127	90	
1931.....	8	(⁴)	76	(⁴)	86	3	68	253	185	
<i>New Jersey:</i>										
1933.....	20	30	503	61	592	5	115	1,165	1,050	
1931.....	23	(⁴)	659	(⁴)	1,037	23	186	1,773	1,587	
<i>New York:</i>										
1933.....	88	335	1,752	727	2,169	162	1,166	6,176	5,010	
1931.....	120	(⁴)	2,448	(⁴)	3,799	196	1,934	9,737	7,803	
<i>Ohio:</i>										
1933.....	15	22	115	32	90	(⁴)	111	360	249	
1931.....	16	(⁴)	162	(⁴)	171	16	155	588	432	
<i>Oregon:</i>										
1933.....	3	3	11	3	13	2	12	60	47	
1931.....	4	(⁴)	16	(⁴)	19	(⁴)	23	75	52	
<i>Pennsylvania:</i>										
1933.....	28	167	586	239	545	128	480	1,906	1,426	
1931.....	31	(⁴)	830	(⁴)	1,007	79	839	3,220	2,381	
<i>Rhode Island:</i>										
1933.....	6	2	130	(⁴)	175	3	17	274	267	
1931.....	7	(⁴)	143	(⁴)	234	(⁴)	18	438	420	
<i>Tennessee:</i>										
1933.....	3	1	8	(⁴)	5	-----	6	20	14	
1931.....	3	(⁴)	14	(⁴)	16	(⁴)	12	40	29	
<i>Texas:</i>										
1933.....	7	35	104	41	93	7	163	508	345	
1931.....	7	(⁴)	104	(⁴)	115	2	188	466	278	
<i>Wisconsin:</i>										
1933.....	3	4	17	5	14	-----	10	65	56	
1931.....	4	(⁴)	42	(⁴)	39	-----	34	124	90	

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees 1 :	Number of wage earners (average for the year)	Salaries 2	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture 3
<i>Thousands of dollars. (See sec. 25, p. 13)</i>									
ENGRAVING, STEEL, COPPERPLATE, AND WOOD, AND PLATE PRINTING—continued.									
<i>States—Continued</i>									
Other States: 3									
1933.....	31	91	419	113	320	20	278	1,451	1,173
1931.....	50	(⁴)	633	(⁴)	692	44	687	2,908	2,282
LITHOGRAPHING									
<i>United States</i>									
1933.....	346	2,799	14,579	5,227	18,123	4,547	21,449	68,188	46,739
1931.....	364	(⁴)	16,215	(⁴)	25,723	4,082	26,607	87,433	60,827
1929.....	376	4,648	18,979	15,611	32,022	(⁴)	38,992	121,014	82,022
1927.....	309	3,703	16,348	12,060	27,466	(⁴)	32,704	97,050	64,346
<i>States</i>									
California:									
1933.....	14	186	763	444	1,141	63	1,586	4,806	3,219
1931.....	14	(⁴)	847	(⁴)	1,454	100	1,894	5,219	3,324
District of Columbia:									
1933.....	8	11	100	15	168	1	102	450	348
1931.....	8	(⁴)	138	(⁴)	227	6	126	664	539
Illinois:									
1933.....	43	373	1,761	728	2,317	773	2,596	8,551	5,955
1931.....	43	(⁴)	1,797	(⁴)	3,043	643	2,877	10,301	7,424
Indiana:									
1933.....	4	35	114	45	110	-----	158	419	261
1931.....	4	(⁴)	144	(⁴)	147	15	250	638	389
Iowa:									
1933.....	5	74	180	68	156	11	205	750	546
1931.....	4	(⁴)	100	(⁴)	144	-----	278	592	314
Kentucky:									
1933.....	6	49	232	69	217	52	247	718	470
1931.....	5	(⁴)	317	(⁴)	388	19	311	993	681
Maryland:									
1933.....	10	92	397	147	432	110	644	1,747	1,104
1931.....	11	(⁴)	583	(⁴)	703	30	964	2,641	1,677
Massachusetts:									
1933.....	13	202	774	516	977	169	1,008	2,999	1,991
1931.....	12	(⁴)	790	(⁴)	1,180	137	936	3,790	2,854
Michigan:									
1933.....	12	94	404	215	458	108	741	2,271	1,530
1931.....	12	(⁴)	507	(⁴)	798	232	902	3,062	2,160
Missouri:									
1933.....	17	64	297	86	311	59	485	1,443	958
1931.....	17	(⁴)	426	(⁴)	575	103	830	2,343	1,513
New Jersey:									
1933.....	8	71	404	112	482	180	546	1,899	1,352
1931.....	8	(⁴)	243	(⁴)	332	91	311	1,076	765
New York:									
1933.....	103	827	4,794	1,510	6,577	2,174	7,570	23,893	16,324
1931.....	116	(⁴)	4,996	(⁴)	8,892	1,756	8,295	29,481	21,186
Ohio:									
1933.....	32	326	1,749	527	1,772	230	2,090	7,142	5,052
1931.....	37	(⁴)	2,437	(⁴)	3,469	395	3,950	12,227	8,277
Pennsylvania:									
1933.....	25	150	1,094	323	1,307	326	1,203	4,343	3,145
1931.....	28	(⁴)	1,396	(⁴)	2,086	230	2,094	6,392	4,293
Texas:									
1933.....	7	18	78	33	73	9	143	383	240
1931.....	6	(⁴)	87	(⁴)	135	22	187	526	340
Virginia:									
1933.....	3	15	161	28	136	21	181	531	350
1931.....	3	(⁴)	124	(⁴)	163	-----	226	522	296

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1 2}	Number of wage earners (average for the year)	Salaries ²	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹
<i>Thousands of dollars.</i> (See sec. 25, p. 13)									
LITHOGRAPHING—contd.									
<i>States—Continued</i>									
Washington:									
1933.....	6	27	102	53	116	7	227	572	345
1931.....	7	(*)	148	(*)	239	34	327	967	640
Wisconsin:									
1933.....	11	44	484	77	590	209	812	2,389	1,526
1931.....	12	(*)	541	(*)	873	207	904	2,972	2,068
Other States: ¹⁰									
1933.....	19	141	701	232	783	45	905	2,928	2,023
1931.....	17	(*)	594	(*)	876	61	943	3,026	2,083
PHOTO-ENGRAVING, NOT DONE IN PRINTING ESTABLISHMENTS									
<i>United States</i>									
1933.....	600	2,314	7,907	3,875	14,788	917	5,602	37,583	31,981
1931.....	617	(*)	10,095	(*)	24,990	1,045	7,408	56,020	48,611
1929.....	654	4,266	12,353	14,677	31,831	(*)	11,003	77,382	66,379
1927.....	611	3,693	11,033	11,939	28,381	(*)	10,790	69,207	58,417
<i>States</i>									
Alabama:									
1933.....	6	10	23	14	24	1	14	85	71
1931.....	5	(*)	25	(*)	50	5	16	162	146
California:									
1933.....	52	131	389	243	712	32	295	2,062	1,767
1931.....	52	(*)	476	(*)	1,113	56	473	3,235	2,762
Colorado:									
1933.....	3	8	31	8	53	3	28	121	92
1931.....	5	(*)	37	(*)	75	1	34	184	151
Connecticut:									
1933.....	17	49	197	91	335	10	87	803	715
1931.....	16	(*)	186	(*)	409	15	105	961	856
District of Columbia:									
1933.....	7	28	68	49	146	3	44	398	355
1931.....	7	(*)	87	(*)	205	---	72	516	444
Florida:									
1933.....	4	4	25	6	44	---	9	88	79
1931.....	6	(*)	27	(*)	68	(*)	17	161	144
Georgia:									
1933.....	6	29	67	41	103	---	34	308	274
1931.....	8	(*)	90	(*)	189	4	50	398	348
Illinois:									
1933.....	52	375	1,449	707	2,369	273	1,289	6,534	5,245
1931.....	53	(*)	1,706	(*)	3,962	262	1,437	9,286	7,848
Indiana:									
1933.....	12	60	131	98	229	6	65	619	554
1931.....	9	(*)	151	(*)	395	4	98	882	783
Iowa:									
1933.....	8	19	70	34	110	1	24	250	226
1931.....	8	(*)	87	(*)	215	4	62	514	452
Kentucky:									
1933.....	6	20	113	29	156	2	145	468	324
1931.....	7	(*)	149	(*)	243	6	189	610	422
Louisiana:									
1933.....	4	3	17	6	24	---	10	73	63
1931.....	4	(*)	23	(*)	59	---	16	123	107
Maine:									
1933.....	5	4	15	4	24	(*)	9	65	56
1931.....	6	(*)	23	(*)	40	---	17	100	83
Maryland:									
1933.....	8	22	64	35	118	9	25	294	269
1931.....	6	(*)	92	(*)	227	5	82	527	446
Massachusetts:									
1933.....	43	132	396	186	654	35	165	1,582	1,417
1931.....	42	(*)	583	(*)	1,228	21	265	2,519	2,254

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ^{1,2}	Number of wage earners (average for the year)	Salaries ³	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars. (See sec. 25, p. 13)</i>									
PHOTO-ENGRAVING, NOT DONE IN PRINTING ESTABLISHMENTS—contd.									
<i>States—Continued</i>									
Michigan:									
1933.....	27	97	343	174	533	62	327	1,730	1,403
1931.....	28	(*)	544	(*)	1,204	34	472	3,010	2,538
Minnesota:									
1933.....	12	34	178	51	226	6	74	601	527
1931.....	11	(*)	217	(*)	461	8	138	1,077	939
Missouri:									
1933.....	20	85	272	141	489	15	100	1,117	1,017
1931.....	20	(*)	317	(*)	749	30	146	1,651	1,505
Nebraska:									
1933.....	4	6	17	12	29	-----	13	78	65
1931.....	6	(*)	34	(*)	80	2	22	198	177
New Jersey:									
1933.....	6	19	76	46	180	-----	45	305	260
1931.....	9	(*)	168	(*)	450	9	170	932	762
New York:									
1933.....	104	591	2,112	1,008	5,052	331	1,856	12,001	10,144
1931.....	109	(*)	2,659	(*)	7,793	277	2,059	16,083	14,024
North Carolina:									
1933.....	6	4	24	4	32	-----	14	97	83
1931.....	5	(*)	31	(*)	64	2	21	153	132
Ohio:									
1933.....	53	180	613	259	989	39	297	2,486	2,189
1931.....	52	(*)	785	(*)	1,787	111	457	4,084	3,627
Oklahoma:									
1933.....	5	12	21	27	33	-----	15	116	100
1931.....	5	(*)	23	(*)	61	1	22	215	194
Oregon:									
1933.....	7	13	32	23	46	1	22	159	137
1931.....	9	(*)	47	(*)	104	3	39	294	256
Pennsylvania:									
1933.....	41	208	643	337	1,287	65	300	2,904	2,604
1931.....	41	(*)	861	(*)	2,282	110	495	4,583	4,087
Rhode Island:									
1933.....	3	5	43	8	81	2	17	163	147
1931.....	4	(*)	50	(*)	96	-----	24	217	194
Tennessee:									
1933.....	9	23	55	31	91	3	36	246	210
1931.....	7	(*)	47	(*)	118	4	38	271	233
Texas:									
1933.....	15	50	80	68	118	7	48	424	376
1931.....	18	(*)	115	(*)	271	8	75	687	612
Utah:									
1933.....	3	2	9	(*)	9	-----	4	36	32
1931.....	3	(*)	17	(*)	40	1	23	93	70
Virginia:									
1933.....	7	10	52	14	83	-----	29	196	167
1931.....	7	(*)	51	(*)	107	16	42	258	217
Washington:									
1933.....	13	21	51	25	71	(*)	31	264	234
1931.....	14	(*)	52	(*)	124	1	53	430	376
Wisconsin:									
1933.....	16	40	169	64	249	3	92	647	555
1931.....	16	(*)	239	(*)	549	39	118	1,127	1,009
Other States: ¹¹									
1933.....	17	20	64	31	91	6	40	262	222
1931.....	18	(*)	96	(*)	174	5	61	476	415

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ^{1,2}	Number of wage earners (average for the year)	Salaries ³	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
<i>Thousands of dollars.</i> (See sec. 25, p. 13)									
STEREOTYPING AND ELECTROTYPING, NOT DONE IN PRINTING ESTABLISHMENTS									
<i>United States</i>									
1933.....	207	787	3,734	1,533	6,488	132	2,609	20,006	17,397
1931.....	223	(⁴)	4,857	(⁴)	10,917	171	3,590	24,582	20,991
1929.....	230	1,356	6,487	4,853	13,771	(⁴)	6,547	35,617	29,070
1927.....	197	1,140	4,502	3,430	10,273	(⁴)	4,677	25,549	20,872
<i>States</i>									
California:									
1933.....	8	20	101	47	172	1	44	506	462
1931.....	8	(⁴)	163	(⁴)	339	13	100	804	695
Connecticut:									
1933.....	8	21	100	43	158	2	50	351	301
1931.....	7	(⁴)	138	(⁴)	279	1	89	524	434
Illinois:									
1933.....	28	131	809	256	1,677	29	347	3,503	3,156
1931.....	33	(⁴)	1,041	(⁴)	2,694	43	576	5,331	4,755
Indiana:									
1933.....	5	16	97	25	127	4	62	393	330
1931.....	6	(⁴)	107	(⁴)	212	5	87	527	440
Maryland:									
1933.....	4	7	40	14	50	4	17	150	132
1931.....	4	(⁴)	46	(⁴)	79	(⁴)	29	206	177
Massachusetts:									
1933.....	14	43	263	77	357	4	105	916	811
1931.....	16	(⁴)	321	(⁴)	562	-----	198	1,247	1,049
Michigan:									
1933.....	9	63	191	115	328	11	127	913	786
1931.....	9	(⁴)	276	(⁴)	650	22	216	1,466	1,250
Minnesota:									
1933.....	5	7	51	14	77	1	21	190	168
1931.....	5	(⁴)	58	(⁴)	132	2	32	289	256
Missouri:									
1933.....	7	29	128	52	171	6	62	377	315
1931.....	8	(⁴)	123	(⁴)	247	1	82	572	490
New Jersey:									
1933.....	5	19	71	37	131	2	52	343	295
1931.....	6	(⁴)	100	(⁴)	218	3	76	538	462
New York:									
1933.....	46	212	828	435	1,538	34	968	7,638	6,671
1931.....	49	(⁴)	1,127	(⁴)	2,791	41	1,019	6,405	5,387
Ohio:									
1933.....	22	87	536	182	891	23	475	2,625	2,150
1931.....	25	(⁴)	660	(⁴)	1,326	24	686	3,532	2,846
Pennsylvania:									
1933.....	12	68	282	129	508	2	147	1,189	1,042
1931.....	14	(⁴)	385	(⁴)	795	8	190	1,712	1,522
Tennessee:									
1933.....	3	14	30	23	46	-----	18	127	109
1931.....	3	(⁴)	38	(⁴)	79	2	24	170	146
Texas:									
1933.....	4	6	21	12	17	-----	17	80	63
1931.....	4	(⁴)	21	(⁴)	33	-----	23	91	68
Washington:									
1933.....	4	7	13	9	15	1	9	60	52
1931.....	4	(⁴)	19	(⁴)	46	(⁴)	12	96	84
Wisconsin:									
1933.....	6	13	57	16	65	1	28	190	161
1931.....	6	(⁴)	71	(⁴)	132	(⁴)	51	349	298

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
STEREOTYPING AND ELECTROTYPING, NOT DONE IN PRINTING ESTABLISHMENTS—continued									
States—Continued									
Other States: ¹²									
1933.....	17	24	116	46	157	7	60	451	391
1931.....	16	(⁴)	163	(⁴)	303	5	90	723	633

¹ Not including proprietors and firm members, as follows: Bookbinding and blank-book making—1933, 560; 1931, no data; 1929, 676; 1927, 927. Engraving, steel, copperplate, and wood, and plate printing—1933, 186; 1931, no data; 1929, 347; 1927, 337. Lithographing—1933, 54; 1931, no data; 1929, 92; 1927, 76. Photoengraving, not done in printing establishments—1933, 205; 1931, no data; 1929, 232; 1927, 288. Stereotyping and electrotyping, not done in printing establishments—1933, 52; 1931, no data; 1929, 68; 1927, 80.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ No data.

⁵ Less than \$500.

⁶ Withheld to avoid disclosing compensation of individual employees; included in figure for "Other States."

⁷ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 1, 1; Ariz., 1, 1; Del., 0, 1; Fla., 1, 2; Kans., 1, 1; La., 2, 6; N. H., 3, 3; N. C., 2, 1; R. I., 0, 1; S. C., 1, 1; S. Dak., 1, 1; Tenn., 5, 5; Va., 5, 4.

⁸ Figures for 1931 withheld to avoid disclosing approximations of data for individual establishments; included in items for "Other States."

⁹ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 2, 2; Colo., 3, 5; Conn. (1931), 7; Fla., 1, 2; Ga., 1, 2; Kans., 0, 1; Me., 0, 1; Mo., 16, 16; Nebr., 1, 2; N. C., 1, 1; Okla., 1, 1; S. C., 1, 0; Utah, 1, 2; Va., 2, 2; Wash., 1, 3.

¹⁰ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 1, 1; Colo., 2, 1; Conn., 1, 1; Ga., 1, 1; Kans., 2, 2; La., 1, 1; Minn., 1, 1; Nebr., 1, 1; Oreg., 1, 1; R. I., 2, 1; Tenn., 2, 2; Utah, 2, 2; W. Va., 2, 2.

¹¹ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ariz., 2, 1; Ark., 1, 2; Del., 1, 1; Kans., 3, 3; Miss., 1, 1; Mont., 2, 2; N. H., 1, 1; N. Dak., 1, 1; S. C., 1, 2; S. Dak., 1, 1; Vt., 1, 0; W. Va., 2, 3.

¹² States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Colo., 1, 1; D. C., 2, 2; Fla., 1, 1; Iowa, 2, 2; Ky., 1, 1; La., 1, 2; Me., 2, 1; Nebr., 1, 1; Okla., 2, 0; Oreg., 1, 2; R. I., 2, 1; Va., 1, 2.

TABLE 2.—PRODUCTS AND RECEIPTS, BY CLASS AND VALUE, FOR THE UNITED STATES: 1927 TO 1933

	1933	1931	1929	1927
1. "Bookbinding and blank-book making" industry, all products, total value.....	\$56,010,795	\$79,779,955	\$102,783,405	\$87,327,392
2. Bookbinding, blank-book making, and loose-leaf manufacture.....	53,694,319	76,530,168	101,730,239	86,369,511
3. Products not normally belonging to the industry.....	2,316,476	3,249,787	1,053,166	957,881
4. Bookbinding, blank-book making, etc., secondary activities of other industries.....	8,941,345	16,488,668	21,296,296	22,051,738
Bookbinding, blank-book making, and loose-leaf manufacture, aggregate value (2 and 4).....	62,635,664	93,018,836	123,026,535	108,421,249
Bookbinding.....	44,924,423	66,280,883	123,026,535	108,421,249
Blank-book making.....	6,486,226	5,672,369		
Loose-leaf manufacture, etc.....	11,225,015	21,165,584		

For footnotes, see end of table.

TABLE 2.—PRODUCTS AND RECEIPTS, BY CLASS AND VALUE, FOR THE UNITED STATES: 1927 TO 1933—Continued

	1933	1931	1929	1927
1. "Engraving, steel, copperplate, and wood, and plate printing" industry, all products, total value.....	\$16,222,544	\$27,425,476	\$47,900,592	\$30,712,542
2. Engraving, steel, copperplate, and wood, and plate printing.....	13,759,300	24,572,697	47,298,932	39,514,090
3. Products not normally belonging to the industry.....	2,463,244	2,852,779	601,660	198,452
4. Engraving, steel, copperplate, and wood, and plate printing, secondary activities of other industries.....	3,437,768	4,809,178	6,145,706	5,513,912
Engraving, steel, copperplate, and wood, and plate printing, aggregate value (2 and 4).....	17,197,068	29,381,875	53,444,638	45,028,002
Engraving, etc., other than greeting cards.....	14,936,018	23,762,813	49,146,531	} 45,028,002
Greeting cards.....	2,261,050	1,5,619,062	4,298,107	
1. "Lithographing" industry, all products, total value.....	68,188,447	87,433,164	121,014,321	97,050,124
2. Lithographing.....	60,851,538	78,403,640	115,547,307	95,974,028
3. Products not normally belonging to the industry.....	7,336,909	9,029,524	5,467,014	1,076,096
4. Lithographing, secondary activities of other industries.....	11,819,139	14,067,657	15,125,091	16,084,636
Lithographing, aggregate value (2 and 4).....	72,670,677	92,471,297	130,672,398	112,058,664
Commercial.....	19,151,224	54,619,285	} 129,409,808	} 112,058,664
Color.....	33,342,614	18,779,719		
Labels.....	2 13,381,016	2 14,690,752	} 1,262,590	} (e)
Tags and seals.....	3 708,140	3 268,264		
Music.....	4 818,713	4 1,063,809	} (e)	} (e)
Greeting cards.....	1 3,554,316	1 3,049,468		
Maps and atlases.....	5 563,819	(e)	(e)	(e)
Metal lithographing.....	1,150,835	(e)	(e)	(e)
1. "Photo-engraving, not done in printing establishments" industry, all products, total value.....	37,582,592	56,019,675	77,382,259	69,207,376
2. Photo-engraving.....	35,962,350	53,879,287	75,614,058	67,050,400
3. Products not normally belonging to the industry.....	1,620,242	2,140,388	1,768,201	2,156,886
4. Photo-engraving, secondary activities of other industries.....	5,183,444	7,099,424	4,680,291	4,400,475
Photo-engraving, aggregate value (2 and 4).....	41,145,794	60,978,711	80,294,349	71,450,965
Photo-engraving.....	34,620,726	53,365,045	} 80,294,349	} 71,450,965
Photogravure.....	6,525,068	7,613,666		
1. "Stereotyping and electrotyping, not done in printing establishments" industry, all products, total value.....	20,005,812	24,581,941	35,617,297	25,549,214
2. Stereotyping and electrotyping.....	18,477,191	22,664,910	35,331,995	24,872,194
3. Products not normally belonging to the industry.....	1,523,621	1,917,031	285,302	677,020
4. Stereotyping and electrotyping, secondary activities of other industries.....	2,926,993	4,577,512	5,495,107	5,748,858
Stereotyping and electrotyping, aggregate value (2 and 4).....	21,404,184	27,242,422	40,827,102	30,621,047

¹ In addition, greeting cards were reported by establishments classified in other industries, as follows: Printed—1933, \$7,801,381; 1931, \$15,477,178; Other than printed—1933, \$3,840,601; 1931, \$5,053,085. The total value of greeting cards produced, as reported for 1933, was \$17,467,348; for 1931, \$29,198,793.

² In addition, printed labels were reported by establishments classified in the printing and publishing industries, as follows: 1933, \$20,358,256; 1931, \$26,582,723.

³ In addition, printed and blank tags and seals were reported by establishments classified in other industries, as follows: Printed—1933, \$7,321,822; 1931, \$10,134,493. Blank—1933, \$603,477; 1931, \$594,102.

⁴ See also p. 300, table 2, "Sheet music and books of music printed and published" and "Music printed for others."

⁵ In addition, printed maps and atlases to the value of \$317,008 were reported by establishments classified in the printing and publishing industries.

⁶ No data.

TABLE 3.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
BOOKBINDING AND BLANK-BOOK MAKING								
United States.....	16,012	16,064	17,574	18,477	21,992	21,110	20,794	20,210
<i>States</i>								
California.....	697	741	806	827	958	979	909	883
Colorado.....	47	45	54	51	59	61	57	55
Connecticut.....	22	23	22	21	27	30	28	28
District of Columbia.....	38	30	34	37	58	57	55	55
Georgia.....	32	33	38	36	35	36	34	34
Illinois.....	1,806	1,959	2,175	2,213	2,523	2,495	2,417	2,228
Indiana.....	88	87	90	90	105	112	101	99
Iowa.....	97	98	97	100	114	117	117	120
Kentucky.....	33	30	30	28	32	31	31	35
Maine.....	22	20	22	24	32	30	25	25
Maryland.....	288	300	368	386	305	309	336	353
Massachusetts.....	2,586	2,546	2,683	2,721	3,140	3,044	2,927	2,826
Michigan.....	527	539	612	639	922	853	810	853
Minnesota.....	113	115	122	129	139	131	136	129
Missouri.....	307	271	299	279	729	639	606	569
Nebraska.....	20	17	15	17	24	26	21	20
New Jersey.....	347	342	343	338	404	393	403	385
New York.....	5,995	5,826	6,495	7,059	8,671	8,048	8,052	7,892
Ohio.....	771	793	948	950	919	918	916	914
Oklahoma.....	44	44	48	47	60	59	57	56
Oregon.....	22	23	24	24	39	37	35	35
Pennsylvania.....	960	963	1,021	1,045	1,313	1,299	1,267	1,270
Texas.....	72	115	86	81	94	133	77	60
Utah.....	12	12	14	12	16	16	16	16
Washington.....	65	73	73	72	104	112	104	108
Wisconsin.....	270	268	286	321	386	381	392	409
LITHOGRAPHING								
United States.....	13,702	14,178	15,374	16,395	16,967	16,260	15,648	15,361
<i>States</i>								
California.....	727	697	917	904	873	846	831	818
District of Columbia.....	101	96	102	103	138	139	140	137
Illinois.....	1,646	1,687	1,794	1,961	1,910	1,804	1,716	1,666
Indiana.....	108	101	116	121	135	132	163	146
Iowa.....	181	162	184	264	103	112	98	91
Kentucky.....	223	223	238	238	318	316	314	317
Maryland.....	383	381	399	409	598	580	569	568
Massachusetts.....	848	692	803	841	872	785	740	762
Michigan.....	371	392	455	430	522	523	462	483
Missouri.....	262	310	312	308	456	432	401	393
New Jersey.....	360	403	410	486	261	234	237	209
New York.....	4,629	4,793	4,947	5,355	5,171	5,005	4,862	4,762
Ohio.....	1,450	1,696	1,911	2,060	2,580	2,439	2,341	2,299
Pennsylvania.....	1,005	1,011	1,120	1,333	1,437	1,415	1,326	1,335
Texas.....	78	80	82	82	93	85	82	85
Virginia.....	137	163	186	169	124	126	124	129
Washington.....	87	101	121	107	152	151	169	123
Wisconsin.....	427	484	557	514	628	527	479	467

¹ See secs. 5, p. 4, and 13, p. 8. The establishments canvassed with the standard schedule reported wage earners, by months, as follows:

<i>Bookbinding, etc.</i> —Establishments reporting on standard schedule, 602.			
January.....	15,396	May.....	14,937
February.....	15,673	June.....	15,223
March.....	15,193	July.....	15,606
April.....	14,928	August.....	16,219
September.....	16,685	October.....	17,116
November.....	17,501	December.....	17,590
<i>Lithographing.</i> —Establishments reporting on standard schedule, 244.			
January.....	12,417	May.....	12,907
February.....	12,617	June.....	13,279
March.....	12,842	July.....	13,229
April.....	12,714	August.....	13,819
September.....	14,451	October.....	15,164
November.....	15,274	December.....	15,494

PRINTING AND PUBLISHING, NEWSPAPER AND PERIODICAL PRINTING AND PUBLISHING, BOOK, MUSIC, AND JOB

[A preliminary report for these industries was issued on Jan. 4, 1935]

Description of the industries.—The printing and publishing subgroup comprises two industries, namely, (1) "Newspaper and periodical" and (2) "Book, music, and job." Establishments classified in the first industry are engaged primarily in the printing and publishing, or the publishing only, of newspapers and periodicals; those in the second industry, in the printing and publishing, or the publishing only, of books, or in commercial printing (including music printing) or machine composition for other establishments. An exception to the general rule of classification on the basis of products of chief value (see sec. 9, p. 6) is made in the case of establishments engaged in publishing newspapers and periodicals, all of which, including those whose income is derived mainly from other sources, are classified in the "Newspaper and periodical" industry.

Some of the establishments are engaged solely in the publication of books or periodicals printed by others, and perform no printing or other manufacturing processes of any kind. It has been necessary, however, to treat such establishments as within the industry in order to make a complete statistical presentation for it. This necessity arises because commercial printers are not in a position to report the selling values of books and other publications printed for others, this information being obtainable only from the publishers for whom the commercial printing is done.

At former censuses, establishments engaged in printing and publishing music or in publishing music printed by others were separately classified under the designation "Printing and publishing, music." This classification has been abandoned, and establishments engaged in printing music have been transferred to the "Printing and publishing, book, music, and job" industry (formerly "Printing and publishing, book and job"). The publishing of music printed by others is no longer treated as coming within the scope of the Census of Manufactures.

Duplication in value of products and value added to materials.—The term "value of products," as applied to the printing and publishing industries, covers revenues from subscriptions and sales, advertising, and work done for others. The combined values of products for the two industries, as given in table 1, include duplication equal to the total amounts reported as receipts for composition sold to the trade, for ready prints, for the printing of newspapers, periodicals, books, and pamphlets for publication by others, and for maps and atlases made for others. (See footnote 3, table 2.) The net values of products for the two industries taken together, calculated by deducting the amounts of duplication from the gross values, are as follows: 1933, \$1,404,672,247; 1931, \$2,026,571,657; 1929, \$2,595,918,544; 1927, \$2,381,378,520. As the amounts paid

for the printing of newspapers, periodicals, books, and pamphlets for publication by others, for the printing of maps and atlases made for others, and for "composition sold to the trade" (all of which amounts are included in the gross value of products, as explained above) are reported as "paid for contract work" and are not, therefore, included in the cost of materials, the values added to materials (value of products less cost of materials, etc.), as given in table 1, include duplication equal to the totals of these amounts. The net values added to materials, calculated by deducting the amounts in question from the gross values added, are as follows: 1933, \$1,081,055,292; 1931, \$1,516,845,626; 1929, \$1,940,000,964; 1927, \$1,720,611,596.

Secondary products.—As explained elsewhere (see sec. 16, p. 9), the output of each industry includes certain minor products different from those covered by the industry designation, but does not include products which normally belong to the industry but are made by establishments engaged primarily in other lines of production. To illustrate: An establishment engaged primarily in printing and publishing a newspaper may also do commercial printing. Thus considerable overlapping occurs between the two industries, and for this reason the value of "newspapers and periodicals printed and published, or published only," as given in table 2, and the combined value of the other classes of products covered by that table, are not identical with the total values of all products as given for the newspaper and periodical industry and the book and job industry, respectively, in table 1. The figures in tables 3 to 7, inclusive, like those in tables 1 and 8, cover printing and publishing in both industries.

Number of publications and aggregate circulation per issue.—In calculating the number of newspapers, as shown in tables 3 and 4, morning, evening, and Sunday editions of the same newspaper are counted separately. Thus every daily paper which publishes a Sunday edition counts as two in the total, and every daily which publishes morning, evening, and Sunday editions counts as three. The "aggregate circulation per issue" is calculated, for each class of publications, by totalizing the returns for average circulation per issue as made for individual publications.

Extent of coverage.—As the result of a variety of causes beyond the Census Bureau's control, including the numerous industrial changes which were in progress during the period, the 1933 coverage of the establishments reporting in these industries for 1931 was somewhat, but not seriously, incomplete. Of the 10,211 such establishments in the newspaper and periodical industry and the 11,767 in the book and job industry, 957 and 657, respectively, failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, but in the 1931 census these establishments accounted for only about 2½ percent of the total number of wage earners and somewhat more than 1 percent of the total value of products as reported for the newspaper and periodical industry, and for less than 1½ percent of the corresponding totals for the book and job industry.

Effect of \$5,000 limit on coverage.—As explained in section 4, page 3, no data are collected from establishments with products valued at less than \$5,000. The application of this limit has a greater effect on the coverage of the printing and publishing industries than on that

of any other important industry canvassed in the Biennial Census. (The sentence in parentheses at the end of section 8*d*, page 6, refers to the combined totals for all industries canvassed. The corresponding percentages for the printing and publishing industries were somewhat smaller.) In particular, the numbers of establishments in these industries, and especially in the newspaper and periodical industry, as given in table 1, fall considerably below the total numbers of printing and publishing establishments in the United States, including those whose receipts were less than \$5,000; and the numbers of weekly newspapers as given in table 3 fall far below the total numbers of weeklies including those whose receipts were less than \$5,000.

Furthermore, in a period of falling prices and of general industrial decline, the receipts of many small establishments drop from \$5,000 or more in a given census year to less than \$5,000 in the following census year, with the result that these establishments, although active in both years, are counted only for the earlier year.

The effect of the \$5,000 limit is much less pronounced on the other statistical items in the several tables than on the figures for number of establishments and number of weekly newspapers.

TABLE 1.—SUMMARY FOR THE PRINTING AND PUBLISHING INDUSTRIES, FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments ¹	Number of salaried employes ^{2,3}	Number of wage earners (average for the year)	Salaries ³	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added to materials ⁴
<i>Thousands of dollars.</i> (See sec. 25, p. 13)									
THE PRINTING AND PUBLISHING INDUSTRIES									
<i>United States</i>									
1933.....	16,857	127,240	213,786	209,804	292,472	96,432	325,939	1,524,990	1,199,050
1931*.....	21,978	(⁵)	255,480	(⁵)	438,630	134,662	513,203	2,212,267	1,699,059
1929.....	24,360	190,501	281,119	447,176	506,290	169,899	660,029	2,760,196	2,100,167
1927.....	22,558	176,946	262,740	393,862	474,639	173,238	664,528	2,521,208	1,856,680
NEWSPAPER AND PERIODICAL									
<i>United States</i>									
1933.....	7,633	101,279	109,087	168,862	163,490	62,623	184,700	1,004,999	820,299
1931.....	10,211	(⁵)	119,503	(⁵)	225,699	85,709	299,280	1,408,248	1,108,968
1929.....	11,524	142,738	129,660	318,202	253,399	105,274	391,738	1,738,299	1,346,561
1927.....	10,973	131,036	119,399	279,225	231,151	107,722	409,814	1,585,076	1,175,262
<i>States</i>									
Alabama:									
1933.....	63	653	767	845	841	362	811	4,824	4,013
1931.....	98	(⁵)	835	(⁵)	1,299	424	1,541	7,299	5,758
Arizona:									
1933.....	31	200	245	313	349	19	231	1,687	1,456
1931.....	42	(⁵)	323	(⁵)	582	51	485	2,778	2,292
Arkansas:									
1933.....	58	345	450	460	500	9	416	2,404	1,988
1931.....	99	(⁵)	583	(⁵)	801	16	731	3,463	2,732
California:									
1933.....	520	7,374	6,501	10,984	9,703	1,563	11,820	59,051	47,232
1931.....	703	(⁵)	6,822	(⁵)	13,224	3,170	16,753	81,555	64,802

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE PRINTING AND PUBLISHING INDUSTRIES, FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments ¹	Number of salaried employees ^{2, 3}	Number of wage earners (average for the year)	Salaries ³	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added to materials ⁴
<i>Thousands of dollars. (See sec. 25, p. 13)</i>									
NEWSPAPER AND PERIODICAL—continued									
<i>States—Continued</i>									
Colorado:									
1933.....	84	669	888	891	1,294	92	2,157	7,504	5,347
1931.....	143	(⁵)	1,046	(⁵)	1,823	230	2,469	10,708	8,239
Connecticut:									
1933.....	76	2,057	1,873	3,324	2,730	1,000	2,609	15,054	12,444
1931.....	90	(⁵)	2,187	(⁵)	3,866	416	3,233	20,640	17,402
Delaware:									
1933.....	13	130	197	204	281	47	211	1,166	956
1931.....	18	(⁵)	247	(⁵)	407	38	339	1,643	1,303
District of Columbia:									
1933.....	67	2,746	1,256	4,627	2,176	2,415	2,866	17,329	14,463
1931.....	93	(⁵)	1,111	(⁵)	2,487	3,712	4,795	22,828	18,033
Florida:									
1933.....	101	954	1,185	1,322	1,737	56	1,184	7,303	6,119
1931.....	137	(⁵)	1,177	(⁵)	2,172	94	1,857	10,020	8,163
Georgia:									
1933.....	87	1,022	1,117	1,508	1,491	391	1,947	7,757	5,811
1931.....	143	(⁵)	1,165	(⁵)	2,011	612	2,308	10,623	8,315
Idaho:									
1933.....	42	161	266	201	341	1	193	1,352	1,154
1931.....	68	(⁵)	342	(⁵)	547	13	350	1,975	1,624
Illinois:									
1933.....	666	7,205	8,240	11,850	13,417	8,930	17,152	93,336	76,234
1931.....	863	(⁵)	9,132	(⁵)	18,872	9,003	27,676	134,203	106,528
Indiana:									
1933.....	229	2,377	2,814	2,968	3,667	757	3,024	17,900	14,876
1931.....	307	(⁵)	3,100	(⁵)	4,991	1,217	5,265	25,798	20,533
Iowa:									
1933.....	250	1,920	2,359	2,917	2,873	199	2,739	16,321	13,581
1931.....	359	(⁵)	2,798	(⁵)	4,331	369	4,745	24,331	19,585
Kansas:									
1933.....	197	1,126	1,551	1,326	1,889	81	1,763	9,937	8,174
1931.....	257	(⁵)	1,926	(⁵)	2,888	140	3,204	14,734	11,529
Kentucky:									
1933.....	95	889	1,040	1,286	1,329	128	1,130	6,514	5,384
1931.....	132	(⁵)	1,115	(⁵)	1,615	337	2,054	9,438	7,384
Louisiana:									
1933.....	64	905	900	1,161	1,223	22	1,246	6,257	5,011
1931.....	86	(⁵)	874	(⁵)	1,403	110	1,843	8,494	6,651
Maine:									
1933.....	44	540	731	697	799	23	636	4,064	3,428
1931.....	51	(⁵)	884	(⁵)	1,147	35	1,123	5,622	4,499
Maryland:									
1933.....	73	1,377	1,422	2,360	2,087	520	2,990	11,154	8,163
1931.....	95	(⁵)	1,507	(⁵)	2,559	755	3,330	14,466	11,136
Massachusetts:									
1933.....	264	4,978	5,173	9,379	9,459	1,744	10,872	48,579	37,906
1931.....	299	(⁵)	5,530	(⁵)	12,241	2,749	15,937	63,203	47,271
Michigan:									
1933.....	269	2,712	3,422	4,452	4,966	749	4,913	29,531	24,618
1931.....	359	(⁵)	3,564	(⁵)	6,934	1,532	9,086	44,157	35,072
Minnesota:									
1933.....	300	2,145	2,004	3,151	3,419	1,223	3,924	19,547	15,624
1931.....	376	(⁵)	2,840	(⁵)	4,854	1,398	6,193	26,264	20,071
Mississippi:									
1933.....	54	163	336	206	391	-----	287	1,485	1,198
1931.....	79	(⁵)	425	(⁵)	665	15	461	2,364	1,904
Missouri:									
1933.....	249	2,962	3,552	5,624	5,249	742	5,878	28,749	22,871
1931.....	346	(⁵)	4,010	(⁵)	7,153	1,377	9,593	39,092	29,499
Montana:									
1933.....	60	278	479	440	716	16	400	2,310	1,910
1931.....	81	(⁵)	563	(⁵)	1,055	75	656	3,493	2,837

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE PRINTING AND PUBLISHING INDUSTRIES, FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments ¹	Number of salaried employes ^{2,3}	Number of wage earners (average for the year)	Salaries ⁴	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added to materials ⁴
<i>Thousands of dollars.</i> (See sec. 25, p. 13)									
NEWSPAPER AND PERIODICAL—continued									
<i>States—Continued</i>									
Nebraska:									
1933.....	140	962	1,133	1,350	1,526	188	1,292	7,830	6,637
1931.....	219	(⁵)	1,417	(⁵)	2,210	364	2,260	11,410	9,150
Nevada:									
1933.....	18	62	79	119	112	(⁵) 5	69	467	398
1931.....	20	(⁵)	89	(⁵)	181		95	675	580
New Hampshire:									
1933.....	37	170	309	262	421	38	238	1,574	1,336
1931.....	51	(⁵)	362	(⁵)	616	107	335	2,201	1,866
New Jersey:									
1933.....	186	2,776	2,532	4,759	4,311	417	3,510	20,529	17,019
1931.....	233	(⁵)	3,011	(⁵)	6,649	821	5,184	26,876	21,691
New Mexico:									
1933.....	24	113	153	149	203	-----	128	719	591
1931.....	32	(⁵)	189	(⁵)	309	(⁵)	230	1,081	851
New York:									
1933.....	904	22,776	18,900	46,905	33,745	33,871	41,958	266,412	224,453
1931.....	1,168	(⁵)	20,617	(⁵)	47,467	44,862	70,429	359,938	289,509
North Carolina:									
1933.....	97	781	901	1,199	1,099	59	1,069	6,106	5,037
1931.....	131	(⁵)	1,075	(⁵)	1,620	119	1,489	7,976	6,486
North Dakota:									
1933.....	58	199	319	245	428	5	267	1,704	1,498
1931.....	80	(⁵)	415	(⁵)	704	4	438	2,562	2,124
Ohio:									
1933.....	384	6,053	9,886	9,403	13,385	1,829	15,254	76,504	61,250
1931.....	496	(⁵)	10,049	(⁵)	17,043	3,478	27,283	108,310	81,057
Oklahoma:									
1933.....	125	1,009	1,367	1,480	1,763	26	1,445	7,980	6,505
1931.....	176	(⁵)	1,493	(⁵)	2,485	173	2,482	12,481	9,949
Oregon:									
1933.....	83	755	900	1,155	1,146	136	963	5,945	4,982
1931.....	132	(⁵)	1,031	(⁵)	1,805	183	1,757	8,622	6,865
Pennsylvania:									
1933.....	520	9,172	11,158	13,623	15,762	2,324	22,788	105,286	82,498
1931.....	619	(⁵)	11,969	(⁵)	21,155	3,052	37,854	157,957	120,108
Rhode Island:									
1933.....	24	550	657	1,044	1,180	88	837	4,921	4,083
1931.....	28	(⁵)	728	(⁵)	1,532	134	1,320	6,211	4,892
South Carolina:									
1933.....	46	360	389	490	475	4	435	2,400	1,965
1931.....	62	(⁵)	509	(⁵)	788	21	533	3,334	2,802
South Dakota:									
1933.....	61	172	407	191	488	-----	325	1,664	1,339
1931.....	106	(⁵)	430	(⁵)	660	8	530	2,809	2,278
Tennessee:									
1933.....	87	1,274	1,510	1,836	1,887	829	1,942	10,393	8,451
1931.....	117	(⁵)	1,685	(⁵)	2,645	749	3,347	14,292	10,945
Texas:									
1933.....	301	2,928	2,840	4,087	3,959	300	3,853	20,295	16,442
1931.....	409	(⁵)	3,170	(⁵)	5,600	530	6,226	29,621	23,304
Utah:									
1933.....	29	257	313	371	460	107	426	2,548	2,123
1931.....	43	(⁵)	363	(⁵)	675	116	794	3,471	2,677
Vermont:									
1933.....	26	137	236	193	283	7	172	1,099	927
1931.....	33	(⁵)	258	(⁵)	391	12	237	1,481	1,244
Virginia:									
1933.....	79	783	874	1,142	1,224	267	1,087	6,866	5,779
1931.....	109	(⁵)	960	(⁵)	1,549	318	1,725	9,122	7,397

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE PRINTING AND PUBLISHING INDUSTRIES, FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments ¹	Number of salaried employees ²	Number of wage earners (average for the year)	Salaries ³	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added to materials ⁴
<i>Thousands of dollars. (See sec. 25, p. 13)</i>									
NEWSPAPER AND PERIODICAL—continued									
<i>States—Continued</i>									
Washington:									
1933.....	146	1,799	1,490	2,571	2,110	753	1,781	11,335	9,554
1931.....	105	(⁵)	1,635	(⁵)	2,892	1,216	2,629	17,103	14,474
West Virginia:									
1933.....	81	524	905	815	1,171	5	669	4,229	3,559
1931.....	105	(⁵)	876	(⁵)	1,337	38	972	5,669	4,697
Wisconsin:									
1933.....	106	1,705	2,342	2,775	3,253	279	2,891	16,342	13,452
1931.....	284	(⁵)	2,852	(⁵)	5,119	607	4,951	24,763	19,812
Wyoming:									
1933.....	25	74	123	142	179	-----	97	655	559
1931.....	39	(⁵)	164	(⁵)	336	5	176	1,141	964
BOOK, MUSIC, AND JOB									
<i>United States</i>									
1933.....	9,224	25,961	104,699	40,942	128,932	33,810	141,239	519,990	378,751
1931.....	11,767	(⁵)	135,977	(⁵)	212,931	48,953	213,928	804,019	590,091
1929.....	12,836	47,763	151,459	128,974	252,891	64,625	268,291	1,021,897	753,606
1927.....	11,586	45,860	143,341	114,638	243,488	65,516	254,714	936,133	681,418
<i>States</i>									
Alabama:									
1933.....	55	116	335	135	351	47	392	1,347	954
1931.....	64	(⁵)	461	(⁵)	582	39	576	2,015	1,439
Arizona:									
1933.....	10	18	94	28	114	2	109	368	259
1931.....	14	(⁵)	128	(⁵)	180	20	155	564	409
Arkansas:									
1933.....	31	75	279	92	285	7	253	962	709
1931.....	37	(⁵)	330	(⁵)	452	21	455	1,637	1,132
California:									
1933.....	678	1,118	4,567	1,823	6,371	946	8,122	24,986	16,864
1931.....	856	(⁵)	5,773	(⁵)	9,959	1,505	11,568	37,393	25,825
Colorado:									
1933.....	85	164	564	246	728	103	763	2,675	1,811
1931.....	98	(⁵)	760	(⁵)	1,156	163	1,325	3,892	2,567
Connecticut:									
1933.....	156	335	1,524	492	1,848	196	2,056	6,309	4,253
1931.....	190	(⁵)	1,842	(⁵)	2,697	387	2,988	9,250	6,262
Delaware:									
1933.....	14	20	111	26	128	8	130	359	230
1931.....	14	(⁵)	147	(⁵)	163	2	176	538	362
District of Columbia:									
1933.....	63	152	876	295	1,166	107	947	3,650	2,703
1931.....	78	(⁵)	1,146	(⁵)	1,839	254	1,341	5,467	4,126
Florida:									
1933.....	74	94	397	144	435	27	951	2,061	1,110
1931.....	88	(⁵)	474	(⁵)	612	42	1,063	2,675	1,613
Georgia:									
1933.....	103	205	985	324	1,060	88	1,133	3,733	2,599
1931.....	114	(⁵)	1,173	(⁵)	1,590	104	1,525	5,090	3,574
Idaho:									
1933.....	9	29	65	34	79	4	73	265	192
1931.....	13	(⁵)	93	(⁵)	129	7	90	376	285
Illinois:									
1933.....	906	3,767	15,738	6,000	21,190	6,512	20,477	81,865	61,383
1931.....	1,137	(⁵)	21,851	(⁵)	37,742	8,067	35,664	134,736	99,072
Indiana:									
1933.....	189	592	2,439	838	2,641	550	2,715	9,436	6,721
1931.....	236	(⁵)	3,031	(⁵)	4,221	825	3,998	14,637	10,710
Iowa:									
1933.....	125	164	784	235	873	86	839	2,890	2,052
1931.....	165	(⁵)	1,095	(⁵)	1,525	126	1,369	4,927	3,553
Kansas:									
1933.....	75	150	389	179	402	15	517	1,649	1,132
1931.....	95	(⁵)	538	(⁵)	722	33	767	2,521	1,754

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE PRINTING AND PUBLISHING INDUSTRIES, FOR THE UNITED STATES, 1927 to 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments ¹	Number of salaried employees ²	Number of wage earners (average for the year)	Salaries ³	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added to materials ⁴
<i>Thousands of dollars.</i> (See sec. 25, p. 13)									
BOOK, MUSIC, AND JOB—continued									
<i>States—Continued</i>									
Kentucky:									
1933.....	74	148	1,051	246	940	13	1,186	3,392	2,206
1931 ⁵	83	(⁶)	1,134	(⁶)	1,368	42	1,402	4,468	3,066
Louisiana:									
1933.....	73	144	628	221	676	95	710	2,331	1,621
1931 ⁵	93	(⁶)	790	(⁶)	1,043	92	1,174	3,889	2,415
Maine:									
1933.....	53	63	269	77	268	24	232	899	667
1931 ⁵	61	(⁶)	408	(⁶)	538	46	438	1,680	1,148
Maryland:									
1933.....	169	327	2,177	468	2,440	216	2,848	8,684	5,836
1931 ⁵	177	(⁶)	2,464	(⁶)	3,422	243	3,846	11,683	7,837
Massachusetts:									
1933.....	565	1,572	6,186	2,470	6,877	2,630	6,566	32,586	26,020
1931 ⁵	665	(⁶)	7,917	(⁶)	11,467	3,873	11,063	49,253	38,190
Michigan:									
1933.....	339	889	3,468	1,236	3,658	761	4,551	15,174	10,623
1931 ⁵	449	(⁶)	4,908	(⁶)	7,557	1,247	7,552	25,868	18,315
Minnesota:									
1933.....	198	984	3,027	1,378	3,411	291	4,375	15,621	11,245
1931 ⁵	239	(⁶)	4,235	(⁶)	5,302	455	5,788	20,839	15,051
Mississippi:									
1933.....	20	37	154	55	142	(⁶)	204	564	360
1931 ⁵	30	(⁶)	192	(⁶)	222	(⁶)	300	877	577
Missouri:									
1933.....	323	969	3,710	1,414	4,408	692	5,279	16,483	11,203
1931 ⁵	414	(⁶)	4,759	(⁶)	7,159	1,093	8,266	25,649	17,384
Montana:									
1933.....	19	36	113	59	148	3	170	494	314
1931 ⁵	20	(⁶)	146	(⁶)	275	8	248	773	524
Nebraska:									
1933.....	78	175	620	342	774	38	883	2,868	1,985
1931 ⁵	94	(⁶)	842	(⁶)	1,173	53	1,611	4,683	3,073
Nevada:									
1933.....	5	6	23	15	38	-----	43	140	96
1931 ⁵	5	(⁶)	32	(⁶)	68	5	67	241	174
New Hampshire:									
1933.....	28	85	735	142	872	43	372	1,776	1,404
1931 ⁵	35	(⁶)	840	(⁶)	1,210	50	551	2,412	1,862
New Jersey:									
1933.....	283	672	4,090	1,302	5,312	971	4,691	17,178	12,588
1931 ⁵	371	(⁶)	4,937	(⁶)	8,307	1,083	6,655	24,995	18,340
New Mexico:									
1933.....	8	5	34	7	47	-----	40	140	100
1931 ⁵	7	(⁶)	38	(⁶)	58	(⁶)	56	183	127
New York:									
1933.....	1,889	6,514	21,662	10,868	30,846	15,154	30,910	138,410	107,500
1931 ⁵	2,626	(⁶)	30,109	(⁶)	52,664	23,485	49,278	225,134	175,855
North Carolina:									
1933.....	66	115	665	135	672	19	926	2,528	1,602
1931 ⁵	84	(⁶)	738	(⁶)	918	16	1,208	3,420	2,212
North Dakota:									
1933.....	12	23	92	41	118	4	105	370	265
1931 ⁵	18	(⁶)	114	(⁶)	170	6	167	583	416
Ohio:									
1933.....	590	1,884	8,081	2,976	9,116	1,759	11,583	40,045	28,462
1931 ⁵	737	(⁶)	9,604	(⁶)	14,054	2,333	16,531	53,324	41,792
Oklahoma:									
1933.....	77	91	363	117	404	27	515	1,725	1,210
1931 ⁵	91	(⁶)	436	(⁶)	635	39	725	2,450	1,724
Oregon:									
1933.....	84	97	387	118	474	37	580	1,877	1,297
1931 ⁵	114	(⁶)	556	(⁶)	902	100	897	3,095	2,198

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE PRINTING AND PUBLISHING INDUSTRIES, FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13].

	Number of establishments ¹	Number of salaried employes ²	Number of wage earners (average for the year)	Salaries ³	Wages	Paid for contract work	Cost of materials, fuel, and purchased electric energy	Value of products	Value added to materials ⁴
<i>Thousands of dollars.</i> (See sec. 25, p. 13)									
BOOK, MUSIC, AND JOB—continued									
<i>States—Continued</i>									
Pennsylvania:									
1933.....	743	2,083	9,335	3,369	10,236	1,336	11,388	36,418	25,080
1931.....	952	(⁵)	11,168	(⁶)	15,739	1,527	15,747	53,150	37,403
Rhode Island:									
1933.....	59	120	581	204	618	97	650	2,212	1,561
1931.....	75	(⁵)	915	(⁶)	1,196	138	1,217	4,088	2,871
South Carolina:									
1933.....	27	42	206	58	203	15	271	788	516
1931.....	36	(⁵)	271	(⁶)	316	5	311	1,064	753
South Dakota:									
1933.....	13	44	92	46	119	1	131	427	296
1931.....	21	(⁵)	117	(⁶)	185	4	169	597	428
Tennessee:									
1933.....	88	250	997	339	931	91	1,168	3,571	2,403
1931.....	106	(⁵)	1,147	(⁶)	1,483	242	1,751	5,549	3,799
Texas:									
1933.....	258	434	1,601	560	1,775	197	2,124	7,011	4,886
1931.....	301	(⁵)	1,970	(⁶)	2,848	261	2,979	10,671	7,693
Utah:									
1933.....	36	75	217	104	223	37	274	875	601
1931.....	45	(⁵)	274	(⁶)	395	87	387	1,310	923
Vermont:									
1933.....	20	49	232	68	289	25	147	670	523
1931.....	25	(⁵)	306	(⁶)	412	29	281	1,049	769
Virginia:									
1933.....	98	274	1,196	470	1,237	171	1,525	4,749	3,224
1931.....	116	(⁵)	1,593	(⁶)	1,973	280	2,237	7,365	5,127
Washington:									
1933.....	119	177	662	237	865	76	868	2,991	2,123
1931.....	178	(⁵)	860	(⁶)	1,453	163	1,385	4,914	3,529
West Virginia:									
1933.....	36	44	247	65	309	7	274	1,048	775
1931.....	51	(⁵)	306	(⁶)	467	8	372	1,407	1,035
Wisconsin:									
1933.....	189	528	2,621	748	2,862	288	6,229	13,349	7,120
1931.....	232	(⁵)	2,889	(⁶)	4,188	284	6,090	16,185	10,095
Wyoming:									
1933.....	7	6	30	7	47	-----	43	154	111
1931.....	8	(⁵)	46	(⁶)	98	6	61	255	193

¹ See p. 2, "Extent of coverage" and "Effect of \$5,000 limit on coverage."

² Not including proprietors and firm members, as follows: The printing and publishing industries—1933, 9,631; 1931, no data; 1929, 13,164; 1927, 16,489. Newspaper and periodical—1933, 4,239; 1931, no data; 1929, 5,274; 1927, 7,285. Book and job—1933, 5,392; 1931, no data; 1929, 7,890; 1927, 9,204.

³ The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

⁴ Value of products less cost of materials, fuel, and purchased electric energy. See sec. 20, p. 11.

⁵ No data.

⁶ Less than \$500.

⁷ Revised.

⁸ Data for all establishments engaged in music printing and publishing are included in the United States totals for all years; but, in order to avoid disclosing any figures for individual establishments, the data for music printing and publishing establishments in certain States have been excluded from the 1931 figures for those States, as follows: Iowa, 1 establishment; Ky., 1; Md., 1; Mo., 1; Nebr., 2; N. C., 1; Tex., 1; Va., 1.

* See footnote 7.

TABLE 2.—PRINTING AND PUBLISHING—PRODUCTS AND RECEIPTS, BY CLASS AND VALUE, FOR THE UNITED STATES: 1927 TO 1933

	1933	1931	1929	1927
1. The printing and publishing industries, all products and receipts, total.....	\$1,524,989,686	\$2,212,267,193	\$2,760,195,928	\$2,521,208,269
2. Printing and publishing.....	1,494,381,060	1,267,522,038	2,704,700,980	2,468,361,620
3. Products normally belonging to industries allied to printing and publishing ¹	27,102,194	40,655,122	51,546,262	47,171,258
4. Products not normally belonging either to printing and publishing or to allied industries.....	3,506,432	4,090,033	3,948,686	5,675,391
5. Printing reported as a secondary product by establishments engaged primarily in activities other than printing and publishing.....	11,103,346	17,291,350	6,905,647	5,540,792
Printing and publishing, aggregate value and receipts (2 and 5) ²	1,505,484,406	1,284,813,388	2,711,606,627	2,473,902,412
Newspapers and periodicals printed and published, or published only, total.....	937,114,030	1,293,776,880	1,580,564,823	1,459,688,163
Subscriptions and sales.....	367,439,817	425,266,867	460,326,428	429,467,144
Advertising.....	569,674,213	868,510,013	1,120,238,395	1,030,221,019
Newspapers, total.....	667,820,090	886,822,801	1,078,119,362	977,648,187
Subscriptions and sales.....	239,147,402	261,568,832	275,781,131	252,811,104
Advertising.....	428,672,688	624,953,969	797,393,231	724,837,083
Periodicals other than newspapers, total.....	269,293,940	407,254,079	507,445,461	482,039,976
Subscriptions and sales.....	128,292,415	163,698,035	184,545,297	176,656,040
Advertising.....	141,001,525	243,556,044	322,900,164	305,383,936
Books and pamphlets printed and published, or published only.....	95,312,192	146,437,985	199,014,700	178,162,753
Sheet music and books of music printed and published.....	592,970	4,122,243	4,168,747	4,171,446,715
Paper patterns.....	7,499,612	11,622,243	12,965,887	13,782,356
Composition sold to the trade ³	16,306,124	25,475,957	30,647,365	26,336,549
Maps, atlases, and globe covers made and published.....	2,322,874	1,695,296,666	871,876,125	778,785,876
Commercial printing, total ⁴	446,336,604			
Newspapers and periodicals printed for publication by others ⁵	54,118,070	70,639,957	71,520,971	54,974,959
Books and pamphlets printed for publication by others ⁵	47,253,895	86,097,303	57,997,510	54,756,859
Ready prints ⁵	2,322,342	3,482,819	4,111,532	3,761,382
Music printed for others.....	929,130	(9)	(9)	(9)
Maps and atlases made for others ⁵	317,008	1,535,077,087	738,246,106	665,292,676
Other commercial printing, total.....	341,396,159			
Labels ⁶	20,358,256	26,582,723		
Tags and seals ⁶	7,321,822	10,134,493		
Greeting cards ⁶	7,801,381	15,477,178		
Railroad-tariff.....	3,834,241	8,035,450	738,246,106	665,292,676
Legal.....	4,247,025	6,525,648		
Direct-mail.....	12,808,237	35,925,374		
General commercial printing.....	285,025,197	1,432,396,221		

¹ Revised.² Receipts for bookbinding, electrotyping, engraving, lithographing, photo-engraving, etc., done in establishments engaged primarily in printing and publishing.³ The inclusion of the "Composition sold to the trade" item, the "Newspapers and periodicals printed for publication by others" item, the "Books and pamphlets printed for publication by others" item, the "Ready prints" item, and the "Maps and atlases made for others" item, results in duplication in the aggregate value of products, as follows: 1933, \$120,317,439; 1931, \$185,695,536; 1929, \$164,277,384; 1927, \$139,829,749. These items represent amounts received by commercial printers for work done by them for other printers and for publishers, and consequently enter twice into the aggregate values of products.⁴ Includes value of music published by establishments which did no printing; no similar data collected for 1933. Includes also value of music printed for others; corresponding value for 1933 shown under "Commercial printing."⁵ In addition, lithographed music valued at \$818,713 was reported by establishments classified in the "Lithographing" industry.⁶ Included above in value of "Sheet music and books of music printed and published."⁷ In addition, lithographed maps valued at \$663,819 were reported by establishments classified in the "Lithographing" industry.⁸ In addition, lithographed labels valued as follows were reported by establishments classified in the "Lithographing" industry: 1933, \$13,381,010; 1931, \$14,690,752.⁹ In addition, lithographed and blank tags and seals were reported by establishments classified in other industries, as follows: 1933—lithographed, \$708,140; blank, \$603,477; 1931—lithographed, \$268,264; blank, \$594,102.¹⁰ In addition, greeting cards valued as follows were reported by establishments classified in other industries: 1933—lithographed, \$3,554,316; engraved, \$2,261,060; other than printed, lithographed, or engraved, \$3,840,801; 1931—lithographed, \$3,049,468; engraved, \$5,619,062; other than printed, lithographed, or engraved, \$5,053,085. The total value of greeting cards, as reported for 1933, was \$17,457,358; for 1931, \$29,138,793.

TABLE 3.—NEWSPAPERS AND PERIODICALS PUBLISHED, BY CLASS, NUMBER, AND CIRCULATION, FOR THE UNITED STATES: 1927 TO 1933

	1933	1931	1929	1927
All classes, number ¹	10,343	14,186	15,333	14,352
Aggregate circulation ¹	251,058,113	269,984,869	293,799,623	278,617,025
Daily (excluding Sunday), total:				
Number.....	2,080	2,248	2,293	2,265
Circulation.....	38,424,281	42,124,651	42,947,824	42,343,210
Newspapers:				
Number.....	1,903	2,044	2,086	2,091
Circulation.....	37,630,345	41,293,659	42,015,461	41,368,320
Periodicals:				
Number.....	177	204	207	174
Circulation.....	793,936	830,992	932,363	974,890
Sunday:				
Number.....	489	555	578	511
Circulation.....	25,453,894	27,453,465	29,011,648	27,695,859
Triweekly:				
Number.....	40	57	64	71
Circulation.....	165,703	215,694	311,777	468,534
Semiweekly:				
Number.....	270	377	408	395
Circulation.....	2,836,089	2,637,126	2,982,184	2,026,760
Weekly, total:				
Number ²	5,096	7,379	8,233	7,760
Circulation.....	51,413,509	46,954,782	53,378,350	55,935,413
Newspapers:				
Number.....	4,218	6,313	7,075	6,661
Circulation.....	12,048,317	16,173,234	18,883,551	16,878,783
Periodicals:				
Number.....	878	1,066	1,158	1,099
Circulation.....	39,365,192	30,781,548	34,494,799	39,106,630
Semimonthly:³				
Number.....	145	205	224	238
Circulation.....	4,692,507	6,375,456	9,168,458	5,955,858
Monthly:				
Number.....	1,664	2,552	2,799	2,522
Circulation.....	103,192,794	122,670,528	133,048,488	120,693,490
Quarterly:				
Number.....	462	629	562	477
Circulation.....	23,237,557	19,575,617	20,605,002	21,247,360
Other classes:				
Number.....	97	184	172	113
Circulation.....	1,741,779	1,977,550	2,345,897	2,200,541

¹ See p. 293, "Number of publications and aggregate circulation per issue."

² See p. 293, "Extent of coverage" and "Effect of \$5,000 limit on coverage."

³ Includes publications reported as biweekly.

TABLE 4.—DAILY AND SUNDAY NEWSPAPERS PRINTED IN FOREIGN LANGUAGES—NUMBER AND CIRCULATION, FOR PRINCIPAL LANGUAGES, FOR THE UNITED STATES: 1933 AND 1931

[This table presents statistics for all daily newspapers printed in foreign languages, including those printed in both foreign languages and English. Statistics are presented for all languages for which separate figures can be given without disclosing data reported for individual publications]

	NUMBER						AGGREGATE CIRCULATION PER ISSUE ¹					
	Morn- ing		Eve- ning		Sunday		Morning		Evening		Sunday	
	1933	1931	1933	1931	1933	1931	1933	1931	1933	1931	1933	1931
Total.....	51	60	43	62	47	69	1,034,063	1,144,277	625,561	892,149	1,001,622	1,506,663
Bohemian and Slovak.....	5	6	2	1	4	4	93,383	137,790	28,900	(²)	89,908	99,790
Chinese.....	2	5	4	4	3	7	14,500	32,550	29,771	21,200	21,846	46,550
Finnish.....	1	—	2	3	—	—	(²)	—	21,470	27,135	—	—
French.....	1	3	4	5	1	3	(²)	10,749	15,727	19,466	(³)	10,749
German.....	8	6	8	12	9	14	127,087	113,035	68,970	140,460	128,878	269,144
Greek.....	2	—	—	3	1	2	23,000	—	—	29,300	(³)	23,000
Hungarian.....	2	1	—	1	1	2	43,970	66,931	(²)	(³)	(³)	50,069
Italian.....	6	6	2	2	5	6	231,571	225,803	23,785	39,854	147,173	238,774
Japanese.....	1	3	3	4	2	3	(²)	22,600	26,010	21,800	16,500	22,600
Lithuanian.....	2	2	—	1	—	—	14,000	15,252	(²)	(²)	(²)	(²)
Polish.....	2	2	10	12	2	4	40,875	27,000	178,586	262,918	29,630	80,086
Russian.....	4	4	—	—	2	2	33,505	51,818	—	—	15,000	30,318
Slovenian including Croatian and Serbian.....	4	5	1	2	1	1	40,170	37,700	(²)	8,100	(³)	(³)
Spanish.....	3	5	—	—	2	5	30,500	60,500	—	—	33,000	60,500
Yiddish.....	6	6	2	3	7	9	322,402	282,739	197,673	242,000	441,218	525,739
Other languages ⁴	2	6	5	9	7	7	19,100	59,810	34,669	79,916	78,469	649,336

¹ Calculated by totalizing returns for average circulation per issue as made for individual publications.

² Data for morning and evening papers combined to avoid disclosing circulation reported by individual publishers.

³ Data included in item for "Other languages" to avoid disclosing circulation reported by individual publishers.

⁴ For 1933, Arabic, Armenian, Norwegian-Danish, Portuguese, Rumanian, and Ukrainian.

⁵ Includes data for French, Greek, Hungarian, and Slovenian. (See footnote 3.)

⁶ Includes data for Croatian.

TABLE 5.—WEEKLY NEWSPAPERS AND PERIODICALS PRINTED IN FOREIGN LANGUAGES—NUMBER AND CIRCULATION, FOR PRINCIPAL LANGUAGES, FOR THE UNITED STATES: 1933 AND 1931

[This table presents statistics for all foreign-language newspapers and periodicals for which figures can be given without disclosing the circulation reported by individual publishers. Data are included for publications in both foreign languages and English]

LANGUAGE	NUMBER		AGGREGATE CIRCULATION PER ISSUE ¹	
	1933	1931	1933	1931
Total.....	212	332	2,463,538	2,395,362
Bohemian and Slovak.....	20	24	251,154	171,257
Danish.....	9	10	53,732	55,251
Dutch.....	5	7	28,950	30,200
French.....	8	10	16,740	30,414
German.....	58	75	464,426	433,321
Greek.....	2	6	18,000	32,700
Hungarian.....	8	22	87,675	127,905
Italian.....	20	33	228,086	107,770
Lithuanian.....	6	5	75,300	53,672
Norwegian.....	9	16	62,437	78,246
Polish.....	19	36	377,292	481,227
Russian.....	3	5	39,000	35,800
Slovenian.....	3	9	31,093	95,084
Spanish.....	7	15	51,801	169,200
Swedish.....	16	25	149,151	309,185
Yiddish.....	6	12	434,351	81,107
Chinese.....	2	2	21,846	—
Japanese.....	4	3	30,744	—
Other languages ²	7	17	41,850	106,023

¹ Calculated by totalizing returns for average circulation per issue as made for individual publications.

² Includes data for 2 publications reported as Flemish.

³ For 1933, Armenian, Finnish, Portuguese, and Ukrainian; for 1931, Arabic, Armenian, Chinese, Croatian, Japanese, Ladino, Portuguese, Rumanian, Ruthenian, Serbian, and Welsh.

TABLE 6.—PERIODICALS—NUMBER AND CIRCULATION, BY CLASS, FOR THE UNITED STATES: 1933 AND 1931

CLASS OF PUBLICATIONS	NUMBER		AGGREGATE CIRCULATION PER ISSUE	
	1933	1931	1933	1931
Total.....	3,459	4,882	174,759,493	183,518,736
Agriculture, stock raising, etc.....	160	234	19,973,793	21,580,895
Art, music, and drama.....	39	61	672,925	888,484
Automobiles, motor boats, etc.....	56	96	2,188,582	2,057,208
College and school periodicals.....	166	242	728,728	879,358
Commerce, finance, and insurance.....	178	226	1,774,546	2,045,786
Educational.....	115	184	4,088,154	4,415,965
Fraternal.....	95	162	5,847,800	8,453,423
Labor (by labor organizations).....	115	164	1,940,093	3,146,095
Legal.....	83	107	100,085	206,005
Medicine, surgery, and dentistry.....	105	138	1,217,813	1,232,238
Motion pictures.....	22	43	3,456,181	4,434,338
News summaries, general literature, and fiction.....	249	262	59,897,221	62,838,928
Religion (denominational).....	957	1,450	45,708,700	36,580,060
Science and technology.....	116	107	2,118,291	3,579,401
Society, fashions, beauty culture, etc.....	48	57	11,058,806	13,651,729
Sports, games, and amusements.....	89	124	1,966,888	2,376,035
Trade journals (not elsewhere classified).....	682	885	6,175,930	8,414,795
Miscellaneous.....	184	280	5,819,357	7,238,010

TABLE 7.—BOOKS AND PAMPHLETS PUBLISHED, BY CLASS, BY NUMBER OF COPIES, FOR THE UNITED STATES: 1933 AND 1931

	NUMBER OF COPIES	
	1933	1931
Aggregate.....	268,948,413	370,515,790
Books, total.....	120,789,913	154,461,622
Textbooks (for school use).....	58,070,083	65,292,430
Juvenile.....	22,346,400	22,615,648
Agriculture.....	131,382	276,929
Biography.....	1,449,315	2,175,864
Fiction.....	11,527,519	19,248,703
Fine arts.....	335,362	723,735
History.....	831,858	1,192,929
Law.....	1,812,946	1,962,001
Medicine.....	674,763	1,440,958
Poetry and drama.....	1,989,647	2,589,831
Bibles and testaments.....	666,448	1,376,680
Religion and philosophy.....	6,764,254	11,803,951
Science and technology.....	1,611,642	1,818,585
Sociology and economics.....	1,113,513	620,451
Travel.....	885,535	2,575,919
Miscellaneous.....	7,805,245	11,169,343
Bluebooks, directories, catalogs, etc.....	2,174,222	4,276,765
Not reported by class.....	599,779	3,300,000
Pamphlets, total.....	143,487,479	216,054,168
Texts (for school use).....	14,995,206	24,706,253
Juvenile.....	5,324,322	7,692,942
General literature.....	123,167,951	183,654,973
Maps, atlases, and globe covers.....	4,671,021	(1)

¹ No data.

TABLE 8.—WAGE EARNERS, BY QUARTERS, BY STATES: 1933 AND 1931

(The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 20, p. 13)

	1933 ¹				1931			
	March	June	Septem-ber	Decem-ber	March	June	Septem-ber	Decem-ber
THE PRINTING AND PUBLISHING INDUSTRIES								
United States.....	207,517	208,560	218,824	225,819	226,130	254,256	250,675	252,710
PRINTING AND PUBLISHING, NEWSPAPER AND PERIODICAL								
United States.....	106,219	107,526	111,200	113,461	121,063	119,367	118,324	119,965
<i>States</i>								
Alabama.....	752	752	782	794	862	818	813	824
Arizona.....	238	241	241	255	338	324	309	321
Arkansas.....	439	439	462	469	573	589	579	593
California.....	6,237	6,577	6,752	6,670	6,802	6,770	6,759	7,040
Colorado.....	881	878	899	908	1,042	1,047	1,039	1,046
Connecticut.....	1,803	1,797	1,946	2,033	2,256	2,176	2,145	2,159
Delaware.....	181	190	212	190	251	248	246	242
District of Columbia.....	1,227	1,171	1,270	1,353	1,131	1,098	1,102	1,140
Florida.....	1,245	1,134	1,143	1,269	1,243	1,130	1,105	1,219
Georgia.....	1,095	1,101	1,133	1,163	1,185	1,169	1,143	1,151
Idaho.....	248	268	266	281	349	351	333	334
Illinois.....	8,005	8,158	8,379	8,514	9,351	9,241	9,003	9,136
Indiana.....	2,681	2,751	2,892	2,968	3,147	3,099	3,079	3,116
Iowa.....	2,315	2,265	2,392	2,445	2,870	2,743	2,775	2,748
Kansas.....	1,525	1,515	1,582	1,602	1,959	1,926	1,885	1,904
Kentucky.....	981	1,027	1,090	1,110	1,132	1,125	1,090	1,098
Louisiana.....	956	957	811	833	871	866	872	904
Maine.....	734	710	711	738	921	862	853	870
Maryland.....	1,371	1,398	1,471	1,519	1,496	1,491	1,520	1,567
Massachusetts.....	5,003	5,168	5,250	5,401	5,547	5,578	5,465	5,637
Michigan.....	3,271	3,398	3,493	3,663	3,504	3,590	3,571	3,539
Minnesota.....	2,526	2,563	2,658	2,747	2,850	2,837	2,832	2,851
Mississippi.....	328	335	340	341	426	432	422	414
Missouri.....	3,535	3,488	3,595	3,679	4,068	4,027	3,970	3,965
Montana.....	473	481	489	491	566	560	551	569
Nebraska.....	1,100	1,120	1,154	1,175	1,421	1,410	1,405	1,408
Nevada.....	78	79	78	80	88	89	89	91
New Hampshire.....	308	305	313	311	363	361	361	362
New Jersey.....	2,476	2,519	2,563	2,644	3,028	3,019	2,993	3,023
New Mexico.....	167	153	160	162	190	192	189	185
New York.....	18,370	18,692	19,294	19,552	20,973	20,605	20,429	21,014
North Carolina.....	867	870	931	954	1,074	1,074	1,068	1,088
North Dakota.....	321	306	320	325	421	424	408	408
Ohio.....	9,494	9,559	10,192	10,473	10,218	9,967	10,072	9,971
Oklahoma.....	1,352	1,341	1,386	1,414	1,544	1,491	1,471	1,456
Oregon.....	895	886	926	909	1,004	1,046	1,023	1,062
Pennsylvania.....	10,966	10,954	11,375	11,456	12,188	11,977	11,865	11,884
Rhode Island.....	654	653	654	667	723	734	729	738
South Carolina.....	380	380	390	404	509	507	504	512
South Dakota.....	405	400	409	416	434	431	425	431
Tennessee.....	1,487	1,495	1,540	1,543	1,682	1,688	1,677	1,693
Texas.....	2,748	2,817	2,874	2,973	3,258	3,164	3,115	3,131
Utah.....	300	312	316	326	361	361	365	366
Vermont.....	235	233	242	239	280	256	254	258
Virginia.....	863	850	897	906	958	948	962	977
Washington.....	1,442	1,502	1,488	1,574	1,696	1,595	1,615	1,618
West Virginia.....	879	894	916	944	875	877	874	877
Wisconsin.....	2,272	2,299	2,395	2,462	2,842	2,859	2,894	2,893
Wyoming.....	120	125	128	126	163	165	166	166

For footnotes, see end of table.

TABLE 8.—WAGE EARNERS, BY QUARTERS, BY STATES: 1933 AND 1931—Contd.

[See note at head of table]

	1933 ¹				1931			
	March	June	September	December	March	June	September	December
PRINTING AND PUBLISHING, BOOK, MUSIC, AND JOB								
United States.....	101,298	101,084	107,624	112,358	140,067	134,889	132,351	132,745
<i>States</i>								
Alabama.....	325	334	353	346	467	463	452	451
Arizona.....	88	97	98	93	134	124	126	121
Arkansas.....	259	271	312	311	337	330	333	326
California.....	4,364	4,472	4,719	4,850	5,928	5,694	5,619	5,799
Colorado.....	558	545	554	597	809	756	719	742
Connecticut.....	1,470	1,503	1,540	1,646	1,887	1,847	1,803	1,817
Delaware.....	115	111	97	110	156	145	140	140
District of Columbia.....	856	826	901	918	1,243	1,144	1,134	1,114
Florida.....	406	364	387	448	519	444	445	504
Georgia.....	948	969	1,001	1,020	1,196	1,186	1,160	1,143
Idaho.....	63	63	63	73	93	90	100	92
Illinois.....	14,937	14,769	16,139	17,543	22,357	21,250	20,629	20,888
Indiana.....	2,280	2,437	2,555	2,583	3,170	2,999	2,948	2,884
Iowa.....	765	740	785	851	1,159	1,048	1,060	1,059
Kansas.....	361	375	415	408	569	527	515	515
Kentucky.....	1,004	1,019	1,097	1,131	1,141	1,120	1,141	1,150
Louisiana.....	629	620	623	652	799	795	781	785
Maine.....	275	259	268	268	434	416	387	391
Maryland.....	2,143	2,141	2,217	2,246	2,518	2,471	2,439	2,399
Massachusetts.....	6,039	5,978	6,459	6,611	8,217	7,848	7,729	7,721
Michigan.....	3,223	3,368	3,569	3,802	5,163	5,028	4,653	4,712
Minnesota.....	2,816	2,836	3,186	3,476	4,203	4,122	4,182	4,414
Mississippi.....	145	146	160	161	196	188	194	183
Missouri.....	3,721	3,642	3,725	3,834	4,907	4,709	4,713	4,685
Montana.....	113	109	113	111	147	149	142	139
Nebraska.....	595	615	640	646	875	839	836	825
Nevada.....	19	23	27	24	32	35	29	30
New Hampshire.....	732	719	739	763	860	851	820	824
New Jersey.....	3,962	4,067	4,074	4,489	4,803	4,939	4,798	5,298
New Mexico.....	32	36	34	35	36	36	39	40
New York.....	21,450	20,919	21,930	23,000	31,483	29,807	29,324	29,097
North Carolina.....	655	656	679	675	736	723	751	750
North Dakota.....	86	90	101	92	116	117	112	108
Ohio.....	7,658	7,687	8,546	8,714	9,828	9,755	9,486	9,274
Oklahoma.....	340	350	379	395	452	430	417	420
Oregon.....	401	385	386	394	570	553	546	531
Pennsylvania.....	9,120	9,171	9,627	9,766	11,440	11,151	11,024	10,872
Rhode Island.....	577	569	589	622	923	917	910	922
South Carolina.....	194	203	206	216	293	265	262	243
South Dakota.....	92	87	94	100	122	115	112	110
Tennessee.....	996	965	1,013	1,011	1,175	1,166	1,136	1,093
Texas.....	1,561	1,583	1,641	1,654	2,056	1,933	1,938	1,871
Utah.....	209	214	229	224	282	274	275	270
Vermont.....	230	239	236	240	316	309	303	293
Virginia.....	1,159	1,158	1,223	1,284	1,624	1,609	1,563	1,553
Washington.....	626	677	690	705	892	857	845	853
West Virginia.....	241	243	251	259	330	296	303	293
Wisconsin.....	2,428	2,355	2,922	2,936	2,951	2,905	2,848	2,837
Wyoming.....	32	29	32	25	47	43	50	46

¹ See secs. 5, p. 4 and 13, p. 8. The establishments canvassed with the standard schedule reported wage earners, by months, as follows:

Newspaper and periodical—Number of establishments reporting, 4,179.			
January.....	96,742	May.....	96,256
February.....	96,450	June.....	107,523
March.....	106,219	July.....	95,280
April.....	95,627	August.....	96,638
September.....	111,200	October.....	101,110
November.....	101,556	December.....	113,461
Book, music, and job—Number of establishments reporting, 6,553.			
January.....	97,380	May.....	95,018
February.....	97,613	June.....	95,374
March.....	95,589	July.....	95,600
April.....	94,573	August.....	99,488
September.....	101,824	October.....	103,789
November.....	104,451	December.....	106,445

² Revised.

³ Data for wage earners in all establishments engaged in music printing and publishing are included in the United States totals for 1933 and 1931, but in order to avoid disclosing data for individual establishments the number of wage earners for music printing and publishing establishments for 1931 have been excluded from the figures for Iowa, Ky., Md., Mo., Nebr., N. C., Tex., and Va.

Group 6.—CHEMICALS AND ALLIED PRODUCTS

THE GROUP AS A WHOLE

[See p. 39]

Group 6 includes not only the industries whose products are chemicals in the ordinary sense, but also those which employ, to a large extent, chemical processes in their manufacturing operations. The group is complex in character, and its several products differ widely, both in kind and in the uses to which they are put. 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 for others.

Changes in classification.—The "Liquors, distilled, and ethyl alcohol" (formerly "Alcohol, ethyl, and distilled liquors") and "Liquors, vinous" industries, formerly included in this group, have been transferred to Group 1. The aggregates for the group and the totals for the "Chemicals and allied products other than animal, vegetable, and compounded oils" subgroup for 1931 and earlier years have been revised accordingly. Ethical specialties, formerly classified in the "Patent or proprietary medicines and compounds" industry, in Group 6, have been transferred to "Druggists' preparations," in the same group.

SUMMARY FOR GROUP 6.—CHEMICALS AND ALLIED PRODUCTS: 1927 TO 1933

[See "Changes in classification," p. 306]

INDUSTRY	Cen- sus year	Num- ber of estab- lish- ments	Wage earners (aver- age for the year)	Wages	Cost of ma- terials, con- tainers, fuel, and pur- chased elec- tric energy	Value of products	Value added by manu- facture ¹
Aggregate for the group. ²	1933	6,527	237,480	\$220,771,146	\$968,472,553	\$2,117,513,188	\$1,149,040,635
	1931	7,444	230,370	263,270,677	1,255,458,950	2,650,635,023	1,395,178,073
	1929	8,224	279,198	351,984,157	1,935,058,349	3,702,672,063	1,767,613,714
	1927	7,500	252,106	316,026,502	1,782,368,555	3,315,228,053	1,532,659,498
	1933	5,960	220,507	212,519,234	838,521,787	1,947,490,717	1,108,968,930
Chemicals and allied products other than animal, vegetable, and compounded oils, total. ²	1931	6,885	215,176	251,063,235	1,035,311,598	2,376,978,463	1,341,066,855
	1929	7,545	259,159	334,405,905	1,543,776,028	3,232,555,979	1,688,779,951
	1927	6,719	227,344	262,208,373	1,388,074,027	2,819,315,414	1,430,641,387
	1933	24	5,806	4,848,392	10,472,684	27,860,774	17,388,090
Ammunition and related products.	1931	20	5,873	4,992,510	11,013,550	28,366,330	17,352,780
	1929	21	7,223	8,272,618	19,841,665	43,808,580	23,966,855
	1927	20	7,602	8,265,993	20,945,130	45,602,124	24,657,054
	1933	40	2,690	3,653,980	13,111,867	31,975,282	18,863,415
Baking powder, yeast, and other leavening com- pounds.	1931	45	2,881	4,797,883	20,746,441	47,027,339	26,280,898
	1929	48	3,006	4,846,730	22,598,378	52,336,812	29,738,434
	1927	47	3,032	4,793,624	24,610,450	55,716,025	31,096,375
	1933	154	1,625	1,504,320	6,909,441	10,055,750	12,146,309
Blacking, stains, and dress- ings.	1931	156	1,501	1,666,227	6,940,724	20,342,665	13,401,941
	1929	170	1,617	1,959,443	8,345,234	24,651,836	16,336,602
	1927	176	1,716	2,180,733	9,185,543	22,548,235	13,362,692
	1933	16	77	86,018	322,681	1,032,858	710,177
Bluing.....	1931	20	95	93,896	401,789	1,178,554	776,765
	1929	20	105	106,917	468,887	1,364,510	895,643
	1927	20	155	151,304	593,725	1,674,140	1,080,415
	1933	48	1,449	1,205,520	4,010,163	8,506,709	4,496,546
Bone black, carbon black, and lampblack.	1931	62	1,039	1,344,223	5,021,874	9,535,203	5,113,329
	1929	77	1,915	2,533,253	9,098,098	20,159,722	11,073,624
	1927	67	1,553	2,047,044	6,571,019	14,261,775	7,690,756
	1933	19	673	561,248	1,844,417	4,128,052	2,283,665
Candles.....	1931	23	713	711,450	2,480,770	5,396,198	2,915,428
	1929	20	781	923,039	3,250,622	6,686,194	3,435,567
	1927	17	709	761,464	2,958,987	6,350,931	3,391,944
	1933	541	53,190	59,228,692	221,453,486	476,502,663	255,049,177
Chemicals not elsewhere classified.	1931	558	48,522	66,360,107	246,068,393	533,175,179	287,106,781
	1929	551	62,199	94,690,013	363,576,311	738,048,356	374,471,575
	1927	492	52,347	78,274,975	299,677,164	572,090,732	275,413,568
	1933	327	2,755	2,721,985	14,752,539	41,048,318	26,295,779
Cleaning and polishing pre- parations.	1931	358	2,449	2,969,048	16,979,010	48,007,349	31,028,339
	1929	429	2,713	3,356,161	19,399,041	50,779,632	31,380,591
	1927	341	2,403	2,988,430	15,219,635	41,234,466	26,014,831
	1933	326	2,763	3,154,300	8,585,707	32,007,108	23,421,401
Compressed and liquefied gases.	1931	349	2,844	3,895,612	10,134,607	41,806,112	31,671,605
	1929	354	3,300	5,378,211	14,528,603	52,189,779	37,661,176
	1927	313	3,212	4,947,577	11,748,839	50,547,395	38,798,556
	1933	411	12,920	13,154,362	43,571,288	146,775,945	103,204,657
Druggists' preparations.....	1931	449	14,087	15,983,643	51,196,818	173,897,479	122,700,661
	1929	392	9,476	10,552,092	32,207,738	109,448,176	77,240,438
	1927	429	10,688	12,452,066	43,775,986	124,778,487	81,002,501
	1933	373	10,138	11,942,469	40,499,392	110,309,139	69,800,747
	1933	22	630	613,593	3,448,408	6,399,236	2,950,828
Drug grinding.....	1931	23	661	711,328	5,457,110	9,159,361	3,702,251
	1929	23	677	840,935	5,675,079	9,669,220	3,994,141
	1927	25	659	820,187	5,989,720	9,205,243	3,521,523
	1933	66	4,168	4,135,128	12,704,628	35,105,909	22,401,471
Explosives.....	1931	78	4,733	5,572,447	19,518,905	46,258,353	26,739,448
	1929	95	5,014	8,487,890	31,764,307	72,539,724	40,775,417
	1927	100	5,803	8,131,234	36,899,576	72,489,668	35,596,092

For footnotes, see end of table.

SUMMARY FOR GROUP 6.—CHEMICALS AND ALLIED PRODUCTS: 1927 to 1933—Con.

[See "Changes in classification," p. 306]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹
Fertilizers.....	1933	522	13,063	\$7,274,317	\$69,053,111	\$94,939,311	\$25,886,200
	1931	599	14,551	12,145,966	106,481,104	154,349,887	47,868,783
	1929	638	20,926	17,883,925	159,801,195	232,510,936	72,709,741
	1927	621	18,612	17,649,661	138,142,925	190,384,890	52,241,965
Fireworks.....	1933	30	919	702,472	969,956	2,519,952	1,549,996
	1931	37	1,350	1,096,656	1,405,598	3,722,103	2,316,505
	1929	50	1,811	1,930,595	2,464,617	6,583,502	4,118,885
	1927	36	1,564	1,395,024	2,623,672	5,884,939	3,261,237
Glue and gelatin.....	1933	63	2,013	2,032,873	8,328,468	17,162,712	8,834,244
	1931	72	2,559	3,325,312	15,460,384	27,515,739	12,055,355
	1929	74	2,993	4,236,092	18,978,027	32,458,019	13,479,992
	1927	61	3,226	4,524,232	19,222,384	31,195,807	11,973,423
Grease and tallow, not including lubricating greases.	1933	201	3,988	4,098,663	14,141,142	26,238,320	12,097,178
	1931	238	4,067	5,224,902	17,532,576	29,240,848	11,708,272
	1929	297	5,475	7,862,149	40,142,447	61,607,990	21,465,543
	1927	247	5,052	7,402,936	38,272,446	56,279,958	18,007,512
Ink, printing.....	1933	160	2,094	2,663,369	12,603,500	26,166,304	13,562,804
	1931	171	2,247	3,479,344	14,532,021	32,188,398	17,656,377
	1929	147	2,448	3,957,185	19,204,715	42,749,992	23,545,277
	1927	123	2,288	3,665,199	16,054,110	37,734,493	21,680,383
Ink, writing.....	1933	22	355	321,281	1,226,495	2,522,118	1,295,623
	1931	23	347	362,999	1,462,621	3,635,121	2,072,500
	1929	29	416	479,995	1,992,573	4,594,974	2,602,401
	1927	24	491	576,091	2,208,835	5,342,027	3,133,192
Mucilage, paste, and other adhesives, except glue and rubber cement.	1933	55	213	236,939	1,294,528	2,478,485	1,183,957
	1931	69	282	350,145	1,888,790	3,620,783	1,731,993
	1929	84	414	546,926	3,668,707	6,638,387	2,969,680
	1927	80	502	679,468	4,270,361	7,945,203	3,675,042
Paints and varnishes.....	1933	961	22,880	23,790,537	153,026,437	289,441,956	136,415,519
	1931	1,039	22,521	29,424,646	193,736,737	350,725,652	156,988,915
	1929	1,063	29,211	42,244,695	334,132,065	568,975,838	234,843,773
	1927	1,006	28,061	40,184,732	307,724,370	519,009,842	211,285,472
Patent or proprietary medicines and compounds.	1933	965	8,740	7,500,017	38,232,778	138,145,064	99,912,286
	⁴ 1931	<i>1,246</i>	<i>9,536</i>	<i>10,225,930</i>	<i>51,793,978</i>	<i>194,421,407</i>	<i>142,622,429</i>
	⁵ 1931	1,298	13,475	14,885,227	68,416,029	254,514,150	186,098,121
	1929	1,522	16,434	18,780,980	94,769,833	318,906,928	224,137,095
1927	1,282	15,071	16,667,425	84,640,850	278,242,929	193,602,079	
Perfumes, cosmetics, and other toilet preparations.	1933	490	8,978	7,469,884	33,174,743	97,048,992	63,874,249
	⁴ 1931	<i>658</i>	<i>10,026</i>	<i>9,673,587</i>	<i>44,184,834</i>	<i>153,818,129</i>	<i>109,638,805</i>
	⁵ 1931	663	10,748	10,445,781	46,556,363	158,174,699	111,618,336
	1929	815	13,109	13,762,961	58,298,879	193,440,550	135,141,671
1927	705	10,463	10,965,085	52,765,346	161,245,659	108,480,313	
Rayon and allied products...	1933	34	44,306	38,612,632	44,031,316	156,931,519	112,900,203
	1931	32	38,735	38,231,493	36,180,858	132,632,416	96,451,558
	1929	29	39,106	44,607,129	33,334,753	149,546,107	116,211,354
	1927	19	26,341	28,049,441	25,747,792	109,888,336	84,140,544
Salt.....	1933	50	5,036	4,814,150	9,153,885	29,011,281	19,857,396
	1931	53	4,728	5,549,119	10,863,679	31,429,873	20,566,194
	1929	58	5,458	6,735,484	14,187,797	37,868,697	23,680,900
	1927	58	5,961	7,117,454	14,664,126	34,329,236	19,665,110
Soap.....	1933	235	14,304	14,140,241	93,507,390	200,127,929	106,620,539
	1931	248	14,163	17,739,732	121,829,338	257,718,699	135,889,361
	1929	282	14,363	18,994,656	180,352,984	310,191,530	129,838,546
	1927	256	13,432	19,715,931	172,244,130	287,059,935	114,815,805
Tanning materials, natural dyestuffs, mordants and sizes.	1933	124	2,141	2,212,359	13,518,005	23,322,328	9,804,323
	1931	116	1,962	2,390,118	15,520,635	26,469,119	10,948,484
	1929	126	2,419	3,113,617	25,335,629	39,836,035	14,500,406
	1927	122	2,414	2,971,477	23,073,925	35,677,033	12,603,108

For footnotes, see end of table.

SUMMARY FOR GROUP 6.—CHEMICALS AND ALLIED PRODUCTS: 1927 TO 1933—Con.

[See "Changes in classification," p. 306]

INDUSTRY	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ¹
Wood distillation and charcoal manufacture.	1933	54	2,731	\$1,781,944	\$5,072,824	\$11,035,722	\$5,962,898
	1931	63	2,654	2,744,963	6,474,049	11,440,157	4,966,108
	1929	91	4,648	5,293,240	14,791,111	29,593,672	14,802,561
	1927	88	4,537	4,739,163	15,422,576	27,630,487	12,207,912
Animal, vegetable, and compounded oils, total.	1933	567	16,973	8,251,912	129,950,766	170,022,471	40,071,705
	1931	609	15,194	12,207,442	220,147,352	273,656,560	53,509,208
	1929	679	20,039	17,577,252	391,282,321	470,116,034	78,833,763
	1927	781	24,762	23,818,129	393,894,528	495,912,639	102,018,111
Oil, cake, and meal, cottonseed.	1933	475	14,242	5,375,712	78,229,307	104,211,631	25,982,324
	1931	504	12,268	8,335,459	147,164,705	181,347,056	34,182,351
	1929	553	15,825	11,203,227	249,019,800	298,376,039	49,356,239
	1927	547	18,434	14,258,555	220,038,437	276,338,488	56,300,051
Oil, cake, and meal, linseed.	1933	22	1,625	1,684,254	33,853,334	40,462,842	6,009,508
	1931	28	1,837	2,278,340	50,306,207	62,882,544	12,576,337
	1929	29	2,715	4,097,712	101,562,787	119,926,807	18,364,080
	1927	33	2,718	4,324,938	97,750,350	111,543,845	13,793,495
Oils, essential.	1933	12	175	221,688	2,243,096	3,093,861	850,765
	1931	12	128	199,241	2,706,615	3,504,948	798,333
	1929	22	265	325,881	3,804,228	6,653,353	2,849,125
	1927	14	169	253,086	3,427,334	4,641,861	1,214,527
Oils not elsewhere classified ⁶ .	1933	58	931	970,258	15,625,029	22,254,137	6,629,108
	1931	65	961	1,394,462	19,969,825	25,922,012	5,932,137
	1929	75	1,234	1,950,432	36,895,506	45,159,825	8,264,319

¹ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.

² Figures for 1931 and earlier years revised. See "Changes in classification," p. 306.

³ Revised; revision not carried into total for subgroup or aggregate for group.

⁴ Revised (see "Revision of the schedule," p. 330); comparable with 1933.

⁵ As originally published; comparable with 1929 and prior years.

⁶ At the census for 1927 the "Oils not elsewhere classified" industry included the manufacture of lubricating oils other than those made in petroleum refineries, but for later years such oils have been classified in the "Lubricating oils and greases, not made in petroleum refineries" industry (Group 7). No comparable figures for 1927 are available, and therefore no adjustments in the totals for the subgroup or in the aggregates for the group can be made.

AMMUNITION AND RELATED PRODUCTS; EXPLOSIVES

[Preliminary reports for these industries were issued May 20 and Aug. 3, 1934]

Descriptions of the industries.—The “Ammunition and related products” industry, as defined for census purposes, consists in the manufacture of ammunition and of such related products as fuses, blasting and detonating caps, miners’ squibs, railroad torpedoes, etc. The statistics cover commercial establishments only, no data having been collected from Government plants.

The “Explosives” industry embraces those establishments whose principal products are explosives, not including fireworks nor ammunition.

Extent of coverage.—All the establishments in these industries that reported at the census for 1931 were accounted for in the canvass for 1933.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
Thousands of dollars. (See sec. 25, p. 13)								
AMMUNITION AND RELATED PRODUCTS								
<i>United States</i>								
1933.....	24	637	5,806	1,189	4,848	10,473	27,861	17,888
1931.....	20	(⁴)	5,873	(⁵)	4,993	11,014	28,366	17,853
1929.....	21	739	7,223	1,786	8,273	19,842	43,809	23,967
1927.....	20	873	7,602	2,004	8,266	20,945	45,602	24,657
<i>States</i>								
Connecticut:								
1933.....	3	291	2,584	514	2,272	5,499	13,620	8,121
1931.....	3	(⁴)	2,799	(⁵)	2,754	5,491	14,906	9,415
Pennsylvania:								
1933 ⁶	5	24	147	46	85	133	419	286
Other States:⁶								
1933.....	16	322	3,075	629	2,491	4,840	13,822	8,982
1931.....	17	(⁴)	3,074	(⁵)	2,238	5,522	13,460	7,938
EXPLOSIVES								
<i>United States</i>								
1933.....	66	523	4,168	1,245	4,135	12,705	35,106	22,401
1931.....	75	(⁴)	4,733	(⁵)	5,572	19,519	46,258	26,739
1929.....	95	791	5,614	2,226	8,488	31,764	72,540	40,775
1927.....	100	862	5,803	2,273	8,131	36,894	72,490	35,596
<i>States</i>								
California:								
1933.....	3	48	308	123	372	1,486	4,329	2,843
1931.....	3	(⁴)	364	(⁵)	578	2,048	4,804	2,757
Illinois:								
1933.....	6	56	320	139	327	1,074	2,832	1,758
1931.....	7	(⁴)	307	(⁵)	337	1,539	3,070	1,531
Missouri:								
1933.....	3	29	171	70	154	567	1,476	909
1931.....	4	(⁴)	300	(⁵)	284	1,129	2,360	1,232
Ohio:								
1933.....	6	20	150	56	146	467	1,293	826
1931.....	8	(⁴)	128	(⁵)	143	338	796	459
Pennsylvania:								
1933.....	15	101	886	223	760	2,172	5,747	3,576
1931.....	17	(⁴)	1,004	(⁵)	1,102	3,489	8,151	4,662
Other States:⁷								
1933.....	33	269	2,334	634	2,376	6,939	19,428	12,490
1931.....	39	(⁴)	2,630	(⁵)	3,129	10,977	27,076	16,099

¹ Not including proprietors and firm members, as follows: "Ammunition and related products"—1933, 1; 1931, no data; 1929, 3; 1927, none. "Explosives"—1933, 2; 1931, no data; 1929, 28; 1927, 25.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ No data.

⁵ Data for 1931 included in "Other States" items to avoid disclosing approximations of data for individual establishments.

⁶ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Calif., 2, 2; Colo., 1, 1; Ill., 2, 1; Ind., 1, 1; Mass., 1, 1; Mich., 1, 1; Minn., 2, 2; N. J., 3, 3; N. Y., 1, 1; Ohio, 2, 2; Pa. (1931), 2.

⁷ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 3, 3; Ariz., 1, 1; Ark., 1, 1; Colo., 1, 1; Ind., 1, 1; Iowa, 1, 1; Kans., 2, 2; Ky., 2, 2; Mass., 1, 1; Mich., 2, 2; Mont., 0, 1; Nev., 0, 1; N. J., 4, 5; N. Y., 1, 2; Okla., 1, 1; Tenn., 1, 1; Tex., 4, 3; Utah, 1, 1; Wash., 3, 4; W. Va., 2, 4; Wis., 1, 1. New Jersey is the most important State in the industry.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

	1933	1931	1929
AMMUNITION AND RELATED PRODUCTS			
1. "Ammunition and related products" industry, total value.....	\$27,860,774	\$28,366,330	\$43,808,520
2. Ammunition and related products.....	\$27,764,500	¹ \$28,158,661	¹ \$43,576,636
3. Other products (not normally belonging to the industry).....	\$96,274	¹ \$207,669	¹ \$231,884
4. Ammunition and related products made as secondary products in other industries, value.....	\$904,211	\$1,178,358	\$2,087,012
Ammunition and related products, aggregate value (2 and 4).....	\$28,668,711	¹ \$29,337,019	¹ \$45,663,648
Ammunition, total value.....	\$21,999,662	\$21,474,833	\$32,450,054
Paper shells, loaded:			
Number of establishments.....	5	5	5
Value.....	\$14,393,939	\$12,582,730	\$21,063,280
Cartridges:			
Number of establishments.....	4	5	5
Total value.....	\$6,620,838	\$7,749,421	\$9,382,645
Rifle.....			
Revolver, pistol, and blank cartridges.....	² \$6,620,838	{ \$4,936,697	\$6,814,060
Other ammunition, value.....	\$975,885	{ \$2,812,724	\$2,568,585
Blasting and detonating caps and railroad torpedoes:		¹ \$1,142,682	¹ \$1,405,020
Number of establishments.....	9	6	8
Value.....	\$4,813,080	\$5,290,281	\$9,160,005
Safety fuses, miners' squibs, etc.:			
Number of establishments.....	7	6	11
Value.....	\$1,855,360	\$2,562,905	\$4,042,789
EXPLOSIVES			
"Explosives" industry, all products, total value.....	\$35,105,999	\$46,258,353	\$72,530,724
Explosives (including consumption in shooting wells), value.....	\$29,045,482	\$40,269,344	\$62,963,053
Other products (not normally belonging to the industry).....	\$6,060,517	\$5,989,009	\$9,568,671
Explosives (including consumption in shooting wells):			
Total pounds.....	288,407,846	350,913,678	529,862,602
Total value.....	\$29,045,482	\$40,269,344	\$62,963,053
Dynamite:			
Pounds.....	147,844,610	191,843,064	306,147,401
Value.....	\$15,222,725	\$22,023,737	\$36,989,032
Permissible explosives: ³			
Pounds.....	51,560,267	51,578,885	70,608,408
Value.....	\$4,153,927	\$5,820,489	\$8,375,355
Nitroglycerin:			
Consumed in shooting wells and for sale, pounds.....	1,111,011	678,916	3,453,302
Amount received for shooting wells on contract and receipts from sales.....	\$450,970	\$433,851	\$2,446,884
Blasting powder:			
Pounds.....	66,188,125	73,434,725	120,067,400
Value.....	\$4,056,386	\$4,909,226	\$7,750,000
Fuse powder:			
Pounds.....	992,430	1,421,805	2,270,256
Value.....	\$186,092	\$202,964	\$426,014
Gunpowder, black, and other explosives, including smokeless powder:			
Pounds.....	20,711,394	26,956,103	26,715,775
Value.....	\$4,975,382	\$6,789,077	\$6,064,868

¹ Revised.² Figure for rifle cartridges and for revolver, pistol, and blank cartridges not shown separately to avoid disclosing approximations of data for individual establishments.³ 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.

BAKING POWDER, YEAST, AND OTHER LEAVENING COMPOUNDS

[A preliminary report for this industry was issued under date of Oct. 17, 1934]

Description of the industry.—This classification covers establishments engaged primarily in the manufacture of baking powder, yeast, and other compounds used for leavening purposes.

Extent of coverage.—The 1933 coverage of the establishments reporting in this industry for 1931 was practically complete. Of the 45 such establishments, only 2 failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, and these establishments accounted for only a small fraction of 1 percent of the total number of wage earners and of the total value of products reported for the industry for 1931.

SUMMARY FOR THE UNITED STATES: 1927 TO 1933

	Number of establishments	Number of salaried employees ¹ 2	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars. (See sec. 25, p. 13)</i>								
United States:								
1933-----	40	584	2,690	1,301	3,654	13,112	\$31,975	18,863
1931-----	45	(9)	2,881	(9)	4,798	20,746	47,027	26,281
1929-----	48	653	3,006	2,401	4,847	22,598	52,337	29,738
1927-----	47	992	3,032	2,677	4,794	24,619	55,716	31,097

¹ Not including proprietors and firm members, as follows: 1933, 4; 1931, no data; 1929, 8; 1927, 15.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ States included and numbers of establishments reporting for 1933 are: California, 2; District of Columbia, 1; Illinois, 7; Indiana, 2; Iowa, 2; Maryland, 2; Massachusetts, 1; New Jersey, 5; New York, 6; Ohio, 4; Pennsylvania, 2; Rhode Island, 1; Tennessee, 1; Virginia, 1; Washington, 1; Wisconsin, 2.

⁵ Includes \$4,401,850, value of commodities made as secondary products by establishments classified in this industry, but does not include \$1,723,004, value of baking powder, yeast, and other leavening compounds made as secondary products in other industries. The total production of baking powder, yeast, etc., regardless of the industry classifications of the establishments by which manufactured, as reported for 1933, was as follows: Baking powders, 146,879,050 pounds, valued at \$17,036,215; yeast and other leavening compounds, 214,390,649 pounds, valued at \$12,260,221.

⁶ No data.

BONE BLACK, CARBON BLACK, AND LAMPBLACK

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 tar, wood tar, petroleum, rosin, etc.

Extent of coverage.—All the establishments in this industry that reported at the census for 1931 were accounted for in the canvass for 1933.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>United States</i>								
1933.....	48	121	1,449	271	1,206	4,010	8,507	4,497
1931.....	62	(⁴)	1,039	(⁴)	1,344	5,022	9,535	4,513
1929.....	77	222	1,915	695	2,583	9,096	20,170	11,074
1927.....	67	243	1,553	608	2,047	6,571	14,262	7,691
<i>States</i>								
<i>Louisiana:</i>								
1933.....	16	28	391	71	245	1,063	1,641	578
1931.....	23	(⁴)	300	(⁴)	312	1,436	1,895	459
<i>Texas:</i>								
1933.....	25	62	913	132	825	2,640	6,134	3,494
1931.....	31	(⁴)	575	(⁴)	833	2,997	6,625	3,629
<i>Other States:⁵</i>								
1933.....	7	31	144	68	136	307	732	425
1931.....	8	(⁴)	164	(⁴)	199	589	1,015	426

¹ Not including proprietors and firm members, as follows: 1933, none; 1931, no data; 1929, 3; 1927, 2.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ No data.

⁵ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Calif., 1, 1; Mont., 0, 1; N. J., 1, 1; Okla., 1, 1; Pa., 3, 2; Utah, 0, 1; Wyo., 1, 1.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

	1933	1931	1929
1. "Bone black, carbon black, and lampblack" industry, all products, total value.....	\$8,506,709	\$9,535,203	\$20,169,722
2. Bone black, carbon black, and lampblack.....	7,732,473	9,023,617	18,462,283
3. Other products, not normally belonging to the industry.....	774,236	511,586	1,707,439
4. Bone black, carbon black, and lampblack made as secondary products in other industries, value.....	755,177	1,206,670	2,241,415
Bone black, carbon black, and lampblack, total value (2 and 4).....	\$8,487,650	\$10,230,287	\$20,703,698
Bone black:			
Pounds.....	23,122,671	33,214,240	54,277,051
Value.....	\$528,596	\$1,288,298	\$2,490,090
Carbon black: ¹			
Pounds.....	269,325,000	280,907,000	283,806,000
Value.....	\$7,449,000	\$8,621,000	\$17,028,360
Lampblack:			
Pounds.....	3,012,226	3,424,048	10,765,492
Value.....	\$210,054	\$320,989	\$1,185,248

¹ From reports of the U. S. Bureau of Mines, Department of the Interior.

CHEMICALS NOT ELSEWHERE CLASSIFIED

[Preliminary reports on the several groups of chemical products were issued on July 31, 1934, and subsequent dates]

Description of the industry.—This industry embraces establishments engaged primarily in the manufacture of products falling within the eight groups for which statistics are given in table 2. It does not include the production of all classes of chemicals in the broad sense of the term, the principal exceptions being (1) explosives, (2) fertilizers, (3) soap, and (4) wood-distillation products. The manufacture of each of these four classes of products is treated as a separate industry.

Extent of coverage.—The 1933 coverage of the establishments reporting in this industry for 1931 was practically complete. Of the 558 such establishments, 10 failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, but these establishments accounted for only a very small fraction of 1 percent of the total number of wage earners and of the total value of products reported for the industry for 1931.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employ-ees ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manu-facture ³
<i>Thousands of dollars.</i> (See sec. 25, p. 13)								
<i>United States</i>								
1933.....	541	10, 246	53, 190	22, 612	59, 229	221, 453	476, 503	255, 049
1931.....	558	(⁴)	48, 522	(⁴)	66, 360	246, 068	533, 175	287, 107
1929.....	551	13, 318	62, 199	35, 025	94, 680	363, 577	738, 048	374, 472
1927.....	492	10, 052	52, 347	27, 463	78, 275	296, 677	572, 091	275, 414
<i>States</i>								
<i>Alabama:</i>								
1933.....	4	119	492	241	392	2, 243	4, 454	2, 211
1931.....	4	(⁴)	475	(⁴)	371	4, 267	5, 511	1, 244
<i>California:</i>								
1933.....	51	507	2, 327	1, 096	3, 000	10, 474	21, 990	11, 516
1931.....	51	(⁴)	1, 998	(⁴)	3, 033	9, 452	21, 281	11, 829
<i>Colorado:</i>								
1933.....	3	3	39	10	46	104	173	69
1931.....	4	(⁴)	32	(⁴)	34	163	282	119
<i>Connecticut:</i>								
1933.....	9	138	548	295	570	2, 547	3, 981	1, 434
1931.....	7	(⁴)	426	(⁴)	511	2, 325	4, 925	2, 599
<i>Illinois:</i>								
1933.....	33	603	3, 448	1, 184	3, 397	15, 424	30, 285	14, 861
1931.....	34	(⁴)	3, 546	(⁴)	4, 705	22, 884	44, 611	21, 727
<i>Indiana:</i>								
1933.....	9	66	906	129	851	3, 342	7, 111	3, 769
1931.....	10	(⁴)	760	(⁴)	1, 030	3, 528	7, 051	3, 522

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1,2}	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
<i>States—Continued</i>								
Iowa:								
1933.....	5	23	236	55	245	1,191	2,283	1,092
1931.....	4	(*)	211	(*)	266	1,408	2,614	1,206
Louisiana:								
1933.....	6	16	130	35	101	558	1,006	448
1931.....	6	(*)	148	(*)	126	756	1,395	639
Maryland:								
1933.....	10	141	830	374	923	3,512	7,345	3,834
1931.....	10	(*)	762	(*)	1,050	4,478	7,153	2,674
Massachusetts:								
1933.....	18	417	2,367	682	2,206	6,258	12,697	6,439
1931.....	20	(*)	2,711	(*)	3,406	6,299	14,700	8,402
Michigan:								
1933.....	16	765	4,712	1,979	5,833	14,154	37,707	23,553
1931.....	17	(*)	4,192	(*)	6,358	15,403	36,870	21,467
Minnesota:								
1933.....	3	16	51	23	40	382	667	285
1931.....	4	(*)	75	(*)	102	797	1,285	488
Missouri:								
1933.....	9	425	966	891	1,066	4,753	11,296	6,543
1931.....	8	(*)	784	(*)	862	5,493	10,790	5,297
New Jersey:								
1933.....	93	2,650	11,923	5,737	13,387	48,913	99,162	50,249
1931.....	101	(*)	9,469	(*)	13,605	51,642	111,887	60,246
New York:								
1933.....	84	1,553	8,923	3,692	10,969	39,667	96,496	56,828
1931.....	90	(*)	9,386	(*)	12,844	46,534	110,325	63,790
Ohio:								
1933.....	49	575	4,189	1,467	4,603	18,298	36,656	18,358
1931.....	52	(*)	3,376	(*)	4,634	16,924	35,717	18,793
Pennsylvania:								
1933.....	56	670	2,616	1,495	2,379	15,285	27,642	12,357
1931.....	54	(*)	2,612	(*)	3,615	15,135	27,038	11,903
Rhode Island:								
1933.....	4	12	224	42	271	814	1,645	832
1931.....	6	(*)	296	(*)	387	1,032	1,896	865
Tennessee:								
1933.....	10	401	2,007	667	1,664	5,908	13,609	7,702
1931.....	9	(*)	1,062	(*)	1,172	7,392	17,443	10,051
Texas:								
1933.....	12	77	379	148	331	1,743	2,996	1,253
1931.....	8	(*)	322	(*)	365	1,836	3,209	1,373
Virginia:								
1933.....	12	215	1,810	643	2,078	8,390	18,833	10,443
1931.....	10	(*)	1,693	(*)	2,374	8,104	20,917	12,814
West Virginia:								
1933.....	12	552	2,166	1,041	2,484	8,339	19,484	11,145
1931.....	14	(*)	2,060	(*)	2,865	8,200	21,741	13,541
Other States: ⁵								
1933.....	33	302	1,904	686	1,886	9,156	18,984	9,828
1931.....	35	(*)	2,136	(*)	2,745	12,015	24,533	12,518

¹ Not including proprietors and firm members, as follows: 1933, 48; 1931, no data; 1929, 41; 1927, 53.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ No data.

⁵ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ark., 0; 1; Del., 1; 1; D. C., 1; 1; Ga., 3; 2; Kans., 1; 1; Ky., 2; 2; Maine, 2; 2; Mont., 2; 2; N. H., 4; 2; N. C., 1; 1; Okla., 2; 2; S. C., 3; 3; Utah, 2; 2; Wash., 4; 8; Wis., 5; 5.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, 1933 AND 1931, AND BY KIND AND QUANTITY, 1929, FOR THE UNITED STATES

[All quantity figures represent production for sale unless specified as "Made and consumed"]

	1933	1931 Comparable with 1933 ¹	1931 As pub- lished
1. "Chemicals not elsewhere classified" industry, all products, total value.....	\$476, 502, 663	-----	\$533, 175, 179
2. Chemicals.....	427, 500, 191	\$478, 615, 506	490, 902, 870
3. Other products (not normally belonging to the industry).....	39, 149, 284	41, 732, 607	42, 272, 309
4. Chemicals and other products, not reported separately (on abbreviated schedule) ²	9, 844, 188	-----	-----
5. Chemicals made as secondary products in other industries.....	47, 197, 005	57, 536, 898	57, 718, 419
6. Chemicals, total value (2 and 5).....	474, 706, 196	536, 152, 404	548, 621, 289
7. Intergroup duplication ³	21, 478, 349	27, 023, 111	27, 207, 271
8. Gross total.....	496, 184, 545	563, 175, 515	575, 828, 560

	QUANTITY ⁴				VALUE IN THOUSANDS OF DOLLARS ⁵	
	1933 Re- ported on standard sched- ule ²	1931 Com- parable with 1933 ¹	1931 As pub- lished; compar- able with 1929	1929	1933 Re- ported on standard sched- ule ²	1931 Com- parable with 1933 ¹
CHEMICALS (item 8), gross total.....	-----	-----	-----	-----	496, 185	563, 176
Group I.—Acids, total value.....	-----	-----	-----	-----	55, 487	65, 096
Acetic:	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>		
Dilute (basis 100 percent).....	28, 791	48, 847	48, 847	52, 915	2, 079	2, 761
Glacial.....	36, 359	13, 740	13, 740	13, 449	2, 224	776
Boric (boracic).....	21, 613	18, 128	18, 128	26, 055	845	970
Carbonic (carbon dioxide, CO ₂).....	⁶ 117, 382	⁶ 153, 575	⁶ 153, 575	136, 390	4, 466	6, 226
Chromic.....	4, 969	3, 025	3, 025	4, 212	537	423
Citric.....	5, 696	8, 381	8, 381	10, 756	1, 795	3, 060
Hydrochloric (muriatic), total produc- tion (basis 100 percent).....	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>		
Made and consumed in same es- tablishments.....	17, 733	14, 212	14, 212	18, 701	-----	-----
For sale.....	44, 895	40, 687	40, 687	62, 606	2, 387	2, 422
Hydrofluosilicic.....	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>		
.....	3, 730	3, 734	3, 734	(⁶)	76	69
Mixed (sulphuric-nitric).....	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>		
Nitric, total production (basis 100 per- cent).....	41, 962	37, 586	37, 586	63, 721	1, 883	1, 800
Made and consumed in same es- tablishments.....	67, 575	85, 819	85, 819	110, 493	-----	-----
For sale.....	32, 839	31, 421	31, 421	32, 961	2, 969	3, 382
Oleic.....	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>		
.....	27, 890	25, 707	29, 946	56, 948	1, 394	1, 603
Phosphoric.....	⁷ 24, 653	⁷ 19, 096	⁷ 19, 096	34, 674	892	761
Stearic.....	23, 874	23, 432	24, 868	39, 154	1, 878	1, 918
Sulphuric (basis 50° Baumé).....	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>		
.....	⁸ 3,847,889	4, 019, 815	4, 229, 753	5, 816, 165	⁸ 26, 482	32, 138
Tannic.....	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>		
.....	632	667	667	1, 449	236	251
Tartaric.....	6, 799	5, 181	5, 181	4, 906	1, 493	1, 463
Hydrofluoric.....	4, 167	(⁶)	(⁶)	(⁶)	321	-----
Oxalic.....	9, 223	(⁶)	(⁶)	(⁶)	903	-----
Pyrogallic.....	73	(⁶)	(⁶)	(⁶)	100	5, 078
Other acids.....	-----	-----	-----	-----	⁹ 2, 527	-----

For footnotes see end of table.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, 1933 AND 1931, AND BY KIND AND QUANTITY, 1929, FOR THE UNITED STATES—Continued

[See note at head of table]

	QUANTITY ¹				VALUE IN THOU- SANDS OF DOLLARS ⁴	
	1933 Re- ported on standard sched- ule ²	1931 Com- parable with 1933 ¹	1931 As pub- lished; compar- able with 1929	1929	1933 Re- ported on standard sched- ule ²	1931 Com- parable with 1933 ¹
Group II.—Nitrogen and fixed nitrogen compounds, total value.....					30, 756	33, 262
Ammonia, aqua and liquor ¹⁰	<i>M lb.</i> 18, 895	<i>M lb.</i> 18, 831	<i>M lb.</i> 18, 831	<i>M lb.</i> 30, 200	923	1, 032
Ammonia, anhydrous.....	160, 269	127, 099	127, 099	173, 349	7, 525	8, 044
Ammonium nitrate.....	18, 694	22, 948	22, 948	(⁹)	574	938
Other ammonium compounds.....					¹¹ 2, 996	2, 446
Copper cyanide.....	552	(⁹)	(⁹)	(⁹)	209	5, 725
Other cyanide.....					4, 509	
Nitric acid (see also Acids).....					2, 969	3, 382
Nitrous oxide (laughing gas).....	<i>Million gal.</i> 82	<i>Million gal.</i> 95	<i>Million gal.</i> 95	<i>Million gal.</i> 110	811	923
Other nitrogen compounds and gaseous nitrogen.....					¹² 10, 239	10, 774
Group III.—Sodium compounds, total value.....					95, 107	104, 025
Benzoate.....	<i>M lb.</i> 1, 113	<i>M lb.</i> 688	<i>M lb.</i> 688	<i>M lb.</i> 898	293	249
Bichromate and chromate.....	<i>Tons</i> 29, 234	<i>Tons</i> 24, 745	<i>Tons</i> 24, 745	<i>Tons</i> 39, 301	3, 281	3, 162
Borate (borax).....	93, 813	80, 004	80, 004	92, 250	3, 163	2, 432
Carbonates:						
Bicarbonate, refined.....	129, 273	127, 533	127, 981	140, 234	3, 586	3, 696
Soda ash, total production.....	2, 317, 011	2, 275, 416	2, 275, 416	2, 682, 216		
Made and consumed in same establishments.....	662, 983	766, 737	766, 737	868, 360		
For sale.....	1, 654, 028	1, 508, 679	1, 508, 679	1, 813, 856	24, 183	22, 493
By process:						
Ammonia-soda.....	1, 585, 633	1, 422, 614	1, 422, 614	1, 717, 944	23, 164	21, 079
Natural.....	68, 395	¹³ 86, 065	¹³ 86, 065	¹³ 95, 912	1, 019	¹³ 1, 414
Caustic (hydroxide), primary produc- tion, total ¹⁴	686, 983	658, 889	658, 889	761, 792		
Made and consumed in same establishments.....	42, 252	24, 676	24, 676	37, 118		
For sale.....	644, 731	634, 213	634, 213	724, 674	24, 478	26, 565
By process:						
Lime soda.....	¹⁵ 439, 363	¹⁵ 455, 832	¹⁵ 455, 832	524, 985		
Electrolytic.....	247, 620	203, 057	203, 057	236, 807		
Citrate.....	<i>M lb.</i> 1, 599	<i>M lb.</i> 1, 371	<i>M lb.</i> 1, 371	<i>M lb.</i> 1, 432	408	409
Hypochlorite.....	<i>Tons</i> 32, 468	<i>Tons</i> 27, 430	<i>Tons</i> 32, 323	<i>Tons</i> 26, 772	2, 073	2, 278
Iodide.....	<i>M lb.</i> 37	<i>M lb.</i> 48	<i>M lb.</i> 48	<i>M lb.</i> 50	116	195
Phosphates:	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>		
Tribasic.....	79, 583	81, 806	82, 954	82, 045	3, 684	4, 599
Dibasic.....	38, 354	61, 238	61, 238	(⁹)	1, 395	2, 887
Monobasic and pyro.....	2, 521	2, 111	2, 111	(⁹)	540	583
Silicate (basis 40 ^o).....	630, 367	638, 079	664, 452	590, 277	6, 583	7, 406
Silicofluoride.....	1, 411	1, 357	1, 357	2, 278	132	115
Sulphates:						
Glauber's salt.....	39, 804	45, 624	48, 899	61, 953	586	774
Hyposulphite (thiosulphate).....	18, 211	22, 716	23, 512	25, 020	763	931
Niter cake, total production.....	30, 558	35, 680	35, 680	111, 522		
Made and consumed in same establishments.....	13, 546	5, 019	5, 019	28, 839		
For sale.....	17, 012	30, 661	30, 661	82, 683	353	504

For footnotes, see end of table.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, 1933 AND 1931, AND BY KIND AND QUANTITY, 1929, FOR THE UNITED STATES—Continued

[See note at head of table]

	QUANTITY ⁴				VALUE IN THOUSANDS OF DOLLARS ⁴	
	1933 Re- ported on standard sched- ule ¹	1931 Com- parable with 1933 ¹	1931 As pub- lished; compar- able with 1929	1929	1933 Re- ported on standard sched- ule ¹	1931 Com- parable with 1933 ¹
Group III.—Sodium compounds—Contd.						
Sulphates—Continued.						
Salt cake, total production.....	Tons 143, 148	Tons 119, 399	Tons 119, 309	Tons 206, 612		
Made and consumed in same establishments.....	23, 538	20, 672	20, 672	36, 486		
For sale.....	114, 610	98, 727	98, 727	170, 176	1, 471	1, 528
Sulphide.....	30, 732	23, 268	23, 268	33, 032	1, 354	1, 033
Sulphite.....	3, 371	6, 141	6, 437	5, 970	266	528
Modified soda.....	21, 873	(⁵)	(⁵)	59, 154	776	
Other salts and compounds ¹⁵					15, 021	21, 597
Group IV.—Potassium compounds, total value.....					7, 434	8, 112
Potassium: ¹⁷	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>		
Acetate.....	45	80	80	(⁵)	13	23
Bitartrate (cream of tartar).....	5, 789	6, 881	6, 881	7, 853	891	1, 572
Citrate.....	146	137	137	151	63	72
Hydroxide.....	Tons 9, 343	Tons 4, 818	Tons 4, 818	Tons 7, 191	868	681
Iodide.....	<i>M lb.</i> 479	<i>M lb.</i> 380	<i>M lb.</i> 380	<i>M lb.</i> 444	1, 108	1, 291
Other salts and compounds.....					¹⁸ 4, 491	4, 574
Group V.—Aluminum compounds and alums, total value.....					11, 501	10, 621
Ammonia alum.....	Tons 4, 022	Tons 4, 472	Tons 4, 472	Tons 5, 720	199	234
Aluminum sulphate.....	322, 478	309, 133	309, 133	344, 962	6, 600	6, 672
Potash and chrome alums.....	1, 951	2, 596	2, 596	3, 447	110	162
Sodium aluminum sulphate.....	13, 941	15, 944	15, 944	14, 947	1, 020	902
Aluminum abrasives.....	7, 664	7, 401	7, 401	33, 246	1, 525	1, 152
Aluminum chloride ¹⁹	1, 127	1, 099	1, 099	1, 521	143	162
Aluminum stearate.....	681	603	1, 065	1, 066	227	201
Aluminum acetate.....	76	603	1, 065	1, 066	11	1, 136
Other aluminum compounds.....					²⁰ 1, 665	
Group VI.—Coal-tar products, total value.....					107, 273	100, 532
Crudes ²¹					16, 985	20, 492
Intermediates.....					21, 443	18, 618
Finished products, total.....					68, 845	61, 422
Dyes.....					45, 711	40, 627
Color lakes.....					3, 483	1, 766
Medicinals.....					5, 798	7, 573
Flavors.....					1, 975	1, 957
Perfume materials.....					267	685
Phenolic resins (see also Plastics).....					7, 509	7, 282
Other.....					4, 102	1, 533
Group VII.—Plastics, total value.....					26, 381	27, 346
Pyroxylin, total production, not including finished articles.....	<i>M lb.</i> 12, 946	<i>M lb.</i> 15, 010	<i>M lb.</i> 15, 010	<i>M lb.</i> 21, 847		
Made and consumed in same establishments.....	2, 850	3, 001	3, 001	4, 857		
For sale in form for further manufacture.....	10, 096	12, 008	12, 008	16, 991	7, 799	11, 114
Finished articles of pyroxylin made in the producing establishments in the "Chemicals not elsewhere classified" industry.....					²² 4, 304	6, 515
Phenolic resins.....	41, 557	33, 651	33, 818	(⁵)	7, 509	7, 282
Cellulose acetate ²³	8, 230	(⁵)	(⁵)	(⁵)	4, 439	
Other.....					2, 331	2, 405

For footnotes, see end of table.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, 1933 AND 1931, AND BY KIND AND QUANTITY, 1929, FOR THE UNITED STATES—Continued

[See note at head of table]

	QUANTITY ⁴				VALUE IN THOU- SANDS OF DOLLARS ⁵	
	1933 Re- ported on standard sched- ule ²	1931 Com- par- able with 1933 ¹	1931 As pub- lished; compar- able with 1929	1929	1933 Re- ported on standard sched- ule ²	1931 Com- par- able with 1933 ¹
Group VIII.—Chemicals, miscellaneous, total value.....					162,247	214,182
Inorganic.....					95,146	136,736
Organic.....					67,101	77,446
*Alcohols:	<i>M gal.</i>	<i>M gal.</i>	<i>M gal.</i>	<i>M gal.</i>		
Methanol, synthetic.....	8,793	7,007	7,007	(⁶)	1,680	1,462
Other alcohol, not including ethyl, ^{3a} glycerol (see Glycerine), nor methanol produced by the dis- tillation of wood.....						
*Amyl acetate.....	608	473	477	181	3,789 442	4,887 392
Antimony:	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>		
Oxide.....	1,074	(⁶)	(⁶)	(⁶)	82	385
Other salts and compounds.....					302	
Arsenic:						
Arsenic oxide.....	21,153	34,353	34,353	28,643	570	1,064
Arsenate of calcium.....	15,487	21,983	26,129	33,064	669	1,095
Arsenate of lead.....	29,816	37,974	37,974	30,682	2,368	3,074
Other salts and compounds.....					158	168
Barium:	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>		
Carbonate.....	7,235	6,596	11,067	22,351	174	188
Sulphate.....	8,676	17,312	18,672	26,050	291	680
Other salts and compounds.....					453	549
Bismuth:						
Subcarbonate.....	211	162	162	140	294	260
Subgallate.....	26	26	26	23	39	46
Subnitrate.....	388	373	373	280	455	583
Other salts and compounds.....					51	43
*Butyl-acetate.....	<i>M gal.</i>	<i>M gal.</i>	<i>M gal.</i>	<i>M gal.</i>		
.....	3,763	4,644	4,664	4,524	2,578	3,333
Cadmium salts and compounds.....					51	71
Calcium:	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>		
Acetate.....	26,042	25,796	25,796	58,163	1,166	870
Chloride (basis 73 to 79 percent).....	158,000	232,057	232,057	277,010	2,716	4,725
Hypochlorite.....	30,051	63,793	63,793	93,116	1,302	2,074
Phosphate:				(⁶)		
Monobasic.....	39,236	36,454	36,454	(⁶)	4,941	5,068
Dibasic and tribasic.....	3,010	4,541	4,541	(⁶)	391	533
Carbide.....	101,488	128,263	128,263	(⁶)	6,059	8,024
Stearate.....	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>		
.....	100	105	167	(⁶)	16	17
Other salts and compounds.....					2,033	2,157
*Carbon bisulphide.....	90,179	83,045	83,045	71,010	3,283	3,200
*Carbon tetrachloride.....	30,344	34,096	34,096	32,712	1,354	1,720
*Chloroform.....	1,770	2,134	2,134	3,082	292	323
Chromium salts and compounds.....					304	212
Cobalt linoleate.....	115	72	116	(⁶)	31	23
Copper:						
Carbonate.....	526	276	405	675	78	41
Sulphate (blue vitriol).....	56,070	60,817	60,981	78,669	1,408	2,177
Other salts and compounds.....					411	247
*Ether.....	7,421	6,982	6,982	6,464	1,385	1,472
*Ethyl acetate.....	<i>M gal.</i>	<i>M gal.</i>	<i>M gal.</i>	<i>M gal.</i>		
.....	5,082	4,500	5,457	10,932	2,660	2,063
*Glycerine:	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>		
Crude ^{3a}	22,161	25,964	27,530	28,790	1,191	1,552
Refined.....	107,853	101,615	102,510	113,140	7,915	10,223
Hydrogen peroxide (basis 100 volumes).....	12,119	8,784	12,854	8,509	2,388	2,961
Iodine:						
Resublimed.....	84	67	67	87	223	305
Other salts and compounds.....					272	(^{6b})

For footnotes, see end of table.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, 1933 AND 1931, AND BY KIND AND QUANTITY, 1929, FOR THE UNITED STATES—Continued

[See note at head of table]

	QUANTITY †				VALUE IN THOU- SANDS OF DOLLARS ‡	
	1933	1931	1931	1929	1933	1931
	Re- ported on standard sched- ule †	Com- parable with 1933 †	As pub- lished; compara- ble with 1929		Re- ported on standard sched- ule †	Com- parable with 1933 †
Group VIII.—Chemicals, miscellaneous— Continued.						
Iron:						
Chloride.....	<i>M lb.</i> 9, 154	<i>M lb.</i> 7, 403	<i>M lb.</i> 7, 765	<i>M lb.</i> 5, 941	201	195
Iron-ammonium citrate.....	132	88	88	(^o)	51	52
Sulphate (copperas).....	<i>Tons</i> 27, 860	<i>Tons</i> 30, 503	<i>Tons</i> 30, 669	<i>Tons</i> 56, 047	253	263
Ferro-alloys, electric-furnace (tons, 2,240 pounds).....	120, 976	130, 254	130, 254	220, 410	11, 868	13, 200
Oxalate.....	5	(^o)	(^o)	(^o)	4	700
Sulphide.....	1, 700	(^o)	(^o)	(^o)	38	
Other salts and compounds.....					558	
Lead salts and compounds, not includ- ing arsenate (see Arsenic) nor pigments.....					353	146
Magnesium:						
Sulphate (Epsom salt).....	<i>Tons</i> 37, 364	<i>Tons</i> 34, 340	<i>Tons</i> 34, 340	<i>Tons</i> 36, 983	1, 234	1, 524
Salicylate.....	4	(^o)	(^o)	(^o)	3	532
Other salts and compounds.....					805	
Manganese:						
Sulphate.....	2, 620	(^o)	(^o)	(^o)	74	183
Other salts and compounds.....					124	
Mercury:						
Ammoniated.....	57	45	45	(^o)	76	82
Chloride mercuric (corrosive sub- limate).....	302	286	286	375	244	327
Oxide.....	119	(^o)	(^o)	(^o)	147	541
Redistilled.....	51	(^o)	(^o)	(^o)	57	
Other salts and compounds.....					166	
Nickel:						
Sulphate.....	4, 218	3, 792	3, 950	(^o)	416	318
Other salts and compounds.....					292	257
*Nitrocellulose, for sale as such.....	25, 415	23, 408	(^o)	(^o)	5, 003	5, 155
Silver nitrate.....	<i>M oz.</i> 4, 146	<i>M oz.</i> 4, 833	<i>M oz.</i> 5, 597	<i>M oz.</i> 5, 647	1, 072	1, 024
Strontium salts and compounds.....					160	124
Sulphur:						
Chloride.....	<i>M lb.</i> 45, 998	<i>M lb.</i> 22, 796	<i>M lb.</i> 22, 796	<i>M lb.</i> 17, 827	665	325
Refined.....	<i>Tons</i> 48, 663	<i>Tons</i> 66, 914	<i>Tons</i> 66, 914	<i>Tons</i> 78, 119	1, 736	2, 069
Sulphur-lime solution, total value.....	<i>M gal.</i>	<i>M gal.</i>	<i>M gal.</i>	<i>M gal.</i>	814	1, 174
Quantity reported.....	6, 458	10, 157	11, 015	11, 974	612	1, 174
Quantity not reported.....					202	
Tin:						
Chloride, stannic.....	<i>M lb.</i> 18, 888	<i>M lb.</i> 34, 872	<i>M lb.</i> 34, 872	<i>M lb.</i> (^o)	3, 228	5, 743
Chloride, stannous.....	302	186	193	(^o)	99	43
Oxide.....	2, 743	3, 330	3, 330	(^o)	1, 115	912
*Vanillin.....	186	128	172	317	777	500
Vitreous enamels ("frit") ††.....	39, 853	42, 424	42, 823	(^o)	2, 587	3, 409
Zinc:						
Stearate.....	474	505	1, 128	1, 455	94	118
Sulphate.....	29, 797	37, 392	37, 392	24, 904	512	700
Other salts and compounds.....					2, 953	2, 345

For footnotes, see end of table.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, 1933 AND 1931, AND BY KIND AND QUANTITY, 1929, FOR THE UNITED STATES—Continued

[See note at head of table]

	QUANTITY ¹				VALUE IN THOUSANDS OF DOLLARS ⁴	
	1933 Re- ported on standard sched- ule ²	1931 Com- parable with 1933 ¹	1931 As pub- lished; compara- ble with 1929	1929	1933 Re- ported on standard sched- ule ²	1931 Com- parable with 1933 ¹
Group VIII.—Chemicals, miscellaneous— Continued.						
Other inorganic chemicals (of lithium, molybdenum, phosphorus, silicon, titanium, uranium, vanadium, etc.), miscellaneous metals (of aluminum, sodium, magnesium, phosphorus, tungsten, zirconium, etc.), and calcined bauxite.					33,478	62,362
*Other organic chemicals (ethylene bromide, ethylene glycol, formaldehyde, hexamethylene-tetramine, methyl chloride, tetraethyl lead, etc.).					34,751	41,075

*Organic.

¹ See sec. 5c, p. 4. The figures given in this column represent the production, in 1931, of those classes of establishments (not in all cases the same individual establishments) which reported on the standard schedule for 1933.

² See sec. 5c, p. 4.

³ Total value of chemicals produced in certain groups and consumed in others. The values of these chemicals are included directly in the totals for the groups in which they are manufactured, and indirectly in those for the groups in which they are consumed.

⁴ See sec. 25, p. 13. Tonnage figures refer to tons of 2,000 pounds, except as otherwise specified.

⁵ Includes, for 1933, approximately 64,500,000 pounds of carbon dioxide piped to plants making "dry ice"; for 1931, approximately 80,000,000 pounds.

⁶ No data.

⁷ Basis 50 percent.

⁸ Production in "Chemicals not elsewhere classified," "Fertilizers," "Explosives," and "Smelting and refining, zinc" industries only. No data available for production from smelting and refining of copper and lead in 1933; 1931 figures in second column adjusted accordingly.

⁹ Includes, in order of value, data for acetic anhydride, hydrocyanic, formic, hydrofluoric reclaimed sulphuric, lactic, etc.

¹⁰ Ammonia (NH₃) content.

¹¹ Includes, in order of value, data for chloride, sulphate, phosphate, bicarbonate, carbonate, and sul-
phide.

¹² Includes, in order of value, data for sodium nitrate, silver nitrate, sodium nitrite, bismuth subnitrate, potassium nitrate, gaseous nitrogen, etc.

¹³ Includes data for soda ash produced by the electrolytic process.

¹⁴ Not including caustic soda made and consumed in the wood-pulp and textile industries.

¹⁵ Includes data for output of 2 establishments that produced caustic from natural soda ash.

¹⁶ Includes, in order of value, data for nitrate, hydrosulphite, aluminate, sal soda, nitrite, bisulphite, peroxide, chlorate, tungstate, fluoride, etc.

¹⁷ Production of crude potassium salt from original sources in 1933, as reported by 4 plants to the Bureau of Mines, Department of the Interior, amounted to 333,110 tons; content of K₂O, 63,880 tons.

¹⁸ Includes, in order of value, data for chloride, bichromate, bromide, permanganate, xanthate, etc.

¹⁹ Reported as solutions of varying strength; reduced to 100 percent equivalent.

²⁰ Includes, in order of value, data for sodium aluminate, hydroxide, etc.

²¹ Not including by-product crudes made in coke plants and gas works.

²² In addition, fabricated articles valued at \$716,591 were made by pyroxylin-producing establishments in other industries.

²³ This item represents cellulose-acetate plastic in the form of sheets, rods, etc., together with that in gelatin form. As a part of the latter was sold to manufacturers of sheets, rods, etc., the combined quantity and value figures for the 2 forms, as here given, include some duplication.

²⁴ Figures for ethyl alcohol appear in report for "Liquors, distilled, and ethyl alcohol."

²⁵ Production for sale by chemical and soap manufacturing establishments only. The total production of crude glycerine, 80 percent basis, was as follows: 1933, 119,811,648 pounds; 1931, 140,001,604 pounds. (Quarterly Census of Animal and Vegetable Fats and Oils.)

²⁶ Included in value of "Other inorganic chemicals."

²⁷ Production for sale only. In addition, vitreous enamels were made and consumed in further manufacturing operations in the "Stamped ware, enameled ware, and metal stampings; enameling, japanning, and lacquering" and "Plumbers' supplies, not including pipe or vitreous-china sanitary ware" industries, as follows: 1933, 32,538,132 pounds, valued at \$1,567,644; 1931, 52,528,344 pounds, valued at \$2,931,598.

INDEX OF PRODUCTS AND DISTRIBUTION OF NUMBER OF ESTABLISHMENTS, BY STATES

[This list covers those products, and only those, for which separate statistics are given in the foregoing tables]

Group	Page	PRODUCT, NUMBER OF ESTABLISHMENTS, AND DISTRIBUTION BY STATES
		Acids:
		Acetic:
I	318	Dilute, 13: N. J., 3; Pa., 3; Ark., Ill., Md., Mass., Mich., Mo., Tenn., 1 each.
I	318	Glacial, 5: Tenn., 2; Mass., N. Y., Pa., 1 each.
I	318	Boric, 6: Calif., 3; Mo., N. Y., Pa., 1 each.
I	318	Carbonic (carbon dioxide), 50: Calif., 7; N. Y., 5; Ill., 4; Mich., 3; Ohio, 3; Pa., 3; Tenn., 3; Tex., 3; Fla., 2; Ga., 2; Mass., 2; N. J., 2; Wash., 2; Ala., Colo., Ind., La., Md., Minn., Mo., N. C., Va., 1 each.
I	318	Chromic, 7: N. J., 3; Md., Mo., Ohio, Pa., 1 each.
I	318	Citric, 5: Calif., Mo., N. J., N. Y., Pa., 1 each.
I	318	Hydrochloric (muriatic), 36: N. J., 6; Calif., 4; N. Y., 4; Ill., 3; Mich., 3; Pa., 3; Mass., 2; Ohio, 2; Ala., Conn., Del., Ind., La., Mo., Tex., Wash., W. Va., 1 each.
I	318	Hydrofluoric, 4: Del., Ind., N. J., Ohio, 1 each.
I	318	Hydrofluosilicic, 3: Pa., 2; Md., 1.
I	318	Mixed (sulphuric-nitric), 17: N. J., 5; Ill., 2; Pa., 2; Ala., Ariz., Del., Mass., N. Y., Ohio, Tex., Wis., 1 each.
I	318	Nitric, 34: N. J., 6; Pa., 4; Ill., 3; Ala., 2; Calif., 2; Colo., 2; Conn., 2; N. Y., 2; Wis., 2; Ariz., Del., Ind., Mass., Mich., Mo., Ohio, Tex., Wash., 1 each.
I	318	Oleic, 9: Ohio, 4; N. J., 2; Pa., 2; Ill., 1.
I	318	Oxalic, 4: Ill., Mo., N. J., N. Y., 1 each.
I	318	Phosphoric, 13: N. J., 5; S. C., 2; Ala., Mont., Mo., N. Y., R. I., Tenn., 1 each.
I	318	Pyrogallic, 3: N. Y., 2; Mo., 1.
I	318	Stearic, 10: Ohio, 4; N. J., 2; Calif., Ill., Mo., Pa., 1 each.
I	318	Sulphuric, 112: Ohio, 11; Pa., 11; N. J., 10; S. C., 8; Calif., 7; Ill., 7; Ga., 6; Md., 5; N. C., 5; Ala., 3; Mass., 3; Mich., 3; N. Y., 3; Tenn., 3; Tex., 3; Va., 3; Conn., 2; Ind., 2; La., 2; Okla., 2; Wis., 2; Ariz., Colo., Del., Fla., Ky., Mont., Mo., R. I., Utah, Wash., W. Va., 1 each.
I	318	Tannic, 5: Mass., Mo., N. J., N. Y., Pa., 1 each.
I	318	Tartaric, 5: N. Y., 2; Calif., Mo., Ohio, 1 each.
		Alums:
V	320	Ammonia, 7: Pa., 2; Del., Ill., Ga., Mass., Mo., 1 each.
V	320	Potash and chrome, 5: Del., Ill., Mo., N. J., Pa., 1 each.
		Aluminum:
V	320	Abrasives, 4: N. Y., 2; Ala., Pa., 1 each.
V	320	Acetate, 5: N. J., 3; Mo., N. Y., 1 each.
V	320	Chloride, 7: N. J., 2; Conn., Mo., N. Y., Pa., W. Va., 1 each.
V	320	Sodium aluminum sulphate, 3: Ill., 3.
V	320	Stearate, 5: N. J., 2; Ky., Mo., Pa., 1 each.
V	320	Sulphate, 24: Pa., 5; Ill., 3; N. J., 3; Ohio, 3; Calif., 2; La., 2; Conn., Del., Ga., Mass., Mo., Tenn., 1 each.
		Ammonia:
II	319	Anhydrous, 13: Calif., 2; Ohio, 2; Pa., 2; Colo., Mich., Mo., N. J., N. Y., Va., W. Va., 1 each.
II	319	Aqua and liquor (chemicals industry), 15: Calif., 2; Mo., 2; N. J., 2; N. Y., 2; Pa., 2; Mass., Mich., Va., Wash., W. Va., 1 each.
II	319	Nitrate, 10: N. J., 3; Mo., 2; Ala., Calif., Ill., Ohio, Pa., 1 each.
VIII	321	Amyl acetate, 9: N. J., 3; Calif., Ill., Md., Mich., Mo., Pa., 1 each.
VIII	321	Antimony oxide, 3: Ohio, Pa., Tex., 1 each.
VIII	321	Arsenate of—
VIII	321	Calcium, 10: Calif., 2; Md., 2; N. Y., 2; Ind., Mich., N. J., Ohio, 1 each.
VIII	321	Lead, 13: Calif., 3; Md., 2; N. Y., 2; Ill., Ind., Mich., N. J., Ohio, Wash., 1 each.
VIII	321	Arsenic oxide, 5: Calif., Mont., Mo., N. J., Wash., 1 each.
VIII	321	Barium:
VIII	321	Carbonate, 6: N. J., 2; Calif., Ill., Mo., W. Va., 1 each.
VIII	321	Sulphate, 8: N. J., 3; N. Y., 2; Calif., Mo., W. Va., 1 each.
		Bismuth:
VIII	321	Subcarbonate, 5: N. Y., 3; Mo., N. J., 1 each.
VIII	321	Subgallate, 5: N. Y., 3; Mo., N. J., 1 each.
VIII	321	Subnitrate, 6: N. Y., 3; N. J., 2; Mo., 1.
VIII	321	Bleaching powder. See Calcium hypochlorite.
III	319	Borax. See Sodium borate.
VIII	321	Butyl acetate, 11: Ill., 3; N. J., 3; Calif., Md., Mass., Pa., W. Va., 1 each.
		Calcium:
VIII	321	Acetate, 29: Pa., 14; N. Y., 7; Mich., 3; Ky., Mo., N. J., Tenn., Wis., 1 each.
VIII	321	Arsenate. See Arsenate of calcium.
VIII	321	Carbide, 7: Iowa, 2; Ala., Mich., N. Y., Pa., Va., 1 each.
VIII	321	Chloride, 13: Mich., 3; W. Va., 3; Ohio, 2; Calif., Mo., N. J., N. Y., Okla., 1 each.
VIII	321	Hypochlorite, 10: N. Y., 4; Mich., 2; Calif., Me., N. H., R. I., 1 each.
VIII	321	Phosphate, monobasic, 9: Mo., 2; Ala., Ill., N. J., R. I., Tenn., S. C., Va., 1 each.
VIII	321	Phosphate, dibasic and tribasic, 6: Ill., 2; Mo., 2; La., N. J., 1 each.
VIII	321	Stearate, 3: Mo., N. J., Pa., 1 each.
		Carbon:
VIII	321	Bisulphide, 10: N. Y., 2; Pa., 2; Calif., Mich., N. J., Tenn., Va., W. Va., 1 each.
VIII	321	Tetrachloride, 6: Mich., 2; Mo., N. Y., Ohio, W. Va., 1 each.
VIII	321	Chloroform, 4: Mich., N. H., N. Y., W. Va., 1 each.
VIII	321	Cobalt linoleate, 3: N. J., 2; Ohio, 1.

INDEX OF PRODUCTS AND DISTRIBUTION OF NUMBER OF ESTABLISHMENTS, BY STATES—Continued

[See headnote, p. 324]

Group	Page	PRODUCT, NUMBER OF ESTABLISHMENTS, AND DISTRIBUTION BY STATES
		Copper:
VIII	321	Carbonate, 3: Calif., Ill., N. J., 1 each.
VIII	321	Sulphate, 14: N. J., 3; Calif., 2; Ill., 2; Idaho, Mont., Mo., N. Y., Tenn., Tex., Wash., 1 each.
VIII	321	Ether, 7: N. J., 3; Md., Mo., Pa., W. Va., 1 each.
VIII	321	Ethyl acetate, 9: Ill., 2; N. J., 2; Md., Mass., N. Y., Pa., W. Va., 1 each.
VIII	322	Ferro-alloys, electric-furnace, 18: N. Y., 5; Ohio, 2; Pa., 2; Tenn., 2; Ala., Iowa, Md., Minn., N. J., Va., W. Va., 1 each.
		Glycerine:
VIII	321	Crude, 30: Ohio, 6; Calif., 5; N. J., 4; N. Y., 3; Ind., 2; Mass., 2; Pa., 2; Conn., Ill., Iowa, Md., Nebr., Wis., 1 each.
VIII	321	Refined, 22: Ill., 3; Mass., 3; N. Y., 3; Calif., 2; Ind., 2; Kans., 2; N. J., 2; Ohio, 2; Md., Mo., Pa., 1 each.
VIII	321	Hydrogen peroxide, 9: N. Y., 4; N. J., 2; Calif., Mo., R. I., 1 each.
VIII	321	Iodine resublimed, 6: N. Y., 3; N. J., 2; Mo., 1.
		Iron:
VIII	322	Alloys. See Ferro-alloys.
VIII	322	Chloride, 9: Mich., 2; N. J., 2; N. Y., 2; Calif., Ill., Mo., 1 each.
VIII	322	Iron-ammonium citrate, 3: Mo., N. J., N. Y., 1 each.
VIII	322	Oxalate, 3: Mo., N. J., N. Y., 1 each.
VIII	322	Sulphate, 23: N. J., 4; Ohio, 4; Pa., 4; Ill., 3; Calif., 2; Ind., 2; Ala., Conn., Mo., N. Y., 1 each.
VIII	322	Sulphide, 4: Mo., N. J., Pa., Va., 1 each.
		Magnesium:
VIII	322	Salicylate, 3: Mich., Mo., N. J., 1 each.
VIII	322	Sulphate (Epsom salt), 8: Calif., Ga., Md., Mich., Mo., N. J., N. Y., Okla., 1 each.
VIII	322	Manganese sulphate, 5: Ga., Ill., Mo., N. J., Tenn., 1 each.
		Mercury:
VIII	322	Ammoniated, 5: N. Y., 3; Mo., N. J., 1 each.
VIII	322	Chloride, mercuric, 4: N. J., 2; Mo., N. Y., 1 each.
VIII	322	Oxide, 4: N. J., 2; Mo., N. Y., 1 each.
VIII	322	Redistilled, 5: N. J., 3; Mo., Pa., 1 each.
VIII	321	Methanol, synthetic, 3: Ill., N. Y., W. Va., 1 each.
VIII	322	Nickel sulphate, 4: Ohio, 2; Mo., Wash., 1 each.
VIII	319	Niter cake (sodium bisulphate), 20: N. J., 3; Ohio, 3; Pa., 3; Conn., 2; Ill., 2; Calif., Colo., Del., Mich., Mass., Tenn., Tex., 1 each.
VIII	322	Nitrocellulose, 6: N. J., 3; Mass., 2; N. Y., 1.
VII	319	Nitrous oxide, 10: Calif., 3; Ohio, 2; Md., Mich., Mo., N. J., N. Y., 1 each.
VII	320	Phenolic resins, 14: N. J., 5; N. Y., 4; Pa., 3; Mich., Mass., 1 each.
		Potassium:
IV	320	Acetate, 3: Mo., N. J., N. Y., 1 each.
IV	320	Bitartrate (cream of tartar), 3: N. Y., 2; Calif., 1.
IV	320	Citrate, 4: N. Y., 2; Mo., N. J., 1 each.
IV	320	Hydroxide, 4: N. Y., 3; Calif., 1.
IV	320	Iodide, 8: N. Y., 3; N. J., 2; Calif., Mo., La., 1 each.
VII	320	Pyroxylin plastics, 12: N. J., 5; Mass., 4; N. Y., 2; Conn., 1.
VIII	322	Silver nitrate, 6: N. J., 3; Mo., N. Y., Pa., 1 each.
		Sodium:
III	319	Benzoate, 6: N. J., 2; Ill., Mich., Mo., N. Y., 1 each.
III	319	Bicarbonate, refined, 5: Mich., Mo., N. Y., Ohio, Va., 1 each.
III	319	Bichromate and chromate, 6: N. J., 3; Md., Mo., Ohio, 1 each.
III	319	Bisulphate. See Niter cake.
III	319	Borate (borax), 7: Calif., 5; Mo., Pa., 1 each.
III	319	Caustic (hydroxide)—lime-soda, 9: Calif., 2; Mich., 2; Ohio, 2; Mo., N. Y., Va., 1 each.
III	319	Caustic (hydroxide)—electrolytic, 21: N. Y., 6; Calif., 2; Mich., 2; Wash., 2; W. Va., 2; Ill., Maine, N. H., N. J., Ohio, R. I., Wis., 1 each.
III	319	Citrate, 4: N. Y., 2; Mo., N. J., 1 each.
III	319	Glauber's salt (sodium sulphate), 19: Calif., 3; N. J., 3; Pa., 3; Mass., 2; Conn., Del., Ill., Ind., Md., Mo., N. Y., Ohio, 1 each.
III	319	Hyposulphite (thiosulphate), 8: N. J., 3; Del., Ind., Mo., N. H., Pa., 1 each.
III	319	Iodide, 5: N. Y., 3; Mo., N. J., 1 each.
III	319	Modified soda, 7: Mich., 2; Ohio, 2; Calif., N. Y., R. I., 1 each.
		Phosphates:
III	319	Dibasic, 14: N. J., 7; Ill., 2; Ala., Del., Md., Mo., S. C., 1 each.
III	319	Monobasic and pyro, 7: N. J., 3; Ill., 2; Ala., Mo., 1 each.
III	319	Tribasic, 11: N. J., 4; Ill., 2; Ala., Del., Ind., Mo., S. C., 1 each.
III	320	Salt cake, 30: N. J., 5; Calif., 4; Ill., 4; Ohio, 3; Pa., 3; Tex., 2; Conn., Del., Ind., La., Md., Mass., Mich., N. Y., Tenn., 1 each.
III	319	Silicate, 28: Ill., 4; N. J., 4; Calif., 3; Ind., 3; N. Y., 2; Ohio, 2; Ga., Kans., La., Md., Mass., Mich., Mo., Nebr., Pa., Wis., 1 each.
III	319	Silicofluoride, 8: Md., 2; Fla., Ill., Mass., Mont., N. J., Tenn., 1 each.
		Soda ash:
III	319	Ammonia-soda, 6: Mich., 2; Ohio, 2; N. Y., Va., 1 each.
III	319	Natural, 3: Calif., 3.
III	320	Sulphide, 11: N. J., 3; Mo., 2; Calif., Del., Mass., Mich., Pa., W. Va., 1 each.
III	320	Sulphite, 7: N. J., 4; Ill., Md., Mo., 1 each.
		Sulphur:
VIII	322	Chloride, 5: N. Y., 3; Mich., W. Va., 1 each.
VIII	322	Refined, 13: Calif., 4; N. Y., 3; Tex., 2; Md., Mass., Mich., N. J., 1 each.

INDEX OF PRODUCTS AND DISTRIBUTION OF NUMBER OF ESTABLISHMENTS, BY STATES—Continued

[See headnote, p. 324]

Group	Page	PRODUCT, NUMBER OF ESTABLISHMENTS AND DISTRIBUTION BY STATES
VIII	322	Sulphur-lime solution, 33: Calif., 4; Fla., 3; N. J., 3; Ohio, 3; Oreg., 3; Ga., 2; Ill., 2; N. Y., 2; Pa., 2; Ind., Iowa, Kans., Md., Mass., Mich., Mo., Nebr., Wash., 1 each.
VIII	322	Tin: Chloride, stannic, 9: N. J., 6; Mo., N. Y., Pa., 1 each.
VIII	322	Chloride, stannous, 5: N. J., 4; Mo., 1.
VIII	322	Oxide, 5: Ohio, 2; Ind., N. J., Pa., 1 each.
VIII	322	Vanillin, 4: N. J., 3; Mo., 1.
VIII	322	Vitreous enamels ("frit"), 9: Ohio, 3; Pa., 2; Ill., Ind., Md., N. J., 1 each.
VIII	322	Zinc: Stearate, 5: N. J., 3; Mo., Pa., 1 each.
VIII	322	Sulphate, 8: Ohio, 2; Kans., Mo., N. J., N. Y., Pa., Va., 1 each.

TABLE 3.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933 ¹				1931			
	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
United States.....	44,154	49,698	62,299	62,412	50,494	48,712	47,531	45,492
<i>States</i>								
Alabama.....	345	466	576	662	533	500	443	377
California.....	2,042	2,318	2,565	2,681	2,001	1,949	2,128	1,962
Colorado.....	26	48	37	52	39	36	29	23
Connecticut.....	451	547	660	605	409	446	404	466
Georgia.....	35	40	53	44	(²)	(²)	(²)	(²)
Illinois.....	2,909	3,198	3,867	3,892	3,744	3,712	3,314	3,325
Indiana.....	731	1,015	1,070	885	798	785	704	759
Iowa.....	214	263	232	256	205	228	216	191
Louisiana.....	114	120	132	145	203	167	120	112
Maryland.....	670	778	982	981	808	782	747	660
Massachusetts.....	2,096	2,165	2,793	2,475	2,331	2,723	2,640	2,475
Michigan.....	4,167	4,610	5,226	5,243	4,280	4,198	4,161	4,011
Minnesota.....	42	74	43	48	57	118	68	82
Missouri.....	837	929	1,064	1,120	786	799	803	744
New Hampshire.....	129	129	160	154	(²)	(²)	(²)	(²)
New Jersey.....	9,211	10,796	14,573	14,439	9,623	9,369	9,339	9,397
New York.....	7,711	8,455	10,288	10,417	9,975	9,380	9,130	8,400
Ohio.....	3,398	4,051	4,988	4,684	3,375	3,841	3,375	3,277
Pennsylvania.....	2,191	2,334	3,046	3,299	2,724	2,684	2,513	2,381
Rhode Island.....	220	226	232	224	290	307	307	269
Tennessee.....	1,802	1,638	2,339	2,592	1,097	1,041	1,030	307
Texas.....	317	330	455	461	331	322	303	307
Virginia.....	1,447	1,657	2,112	2,260	1,991	1,631	1,519	1,502
Washington.....	64	67	86	96	136	133	120	125
West Virginia.....	1,654	1,934	2,664	2,753	2,093	2,043	2,163	1,948
Wisconsin.....	454	528	704	577	518	465	480	426

¹ See secs. 5, p. 4, and 13, p. 8. The 421 establishments canvassed with the standard schedule reported wage earners, by months, as follows:

January.....	43,751	May.....	45,037	September.....	61,078
February.....	44,342	June.....	48,616	October.....	62,208
March.....	43,215	July.....	62,476	November.....	61,333
April.....	43,098	August.....	58,226	December.....	61,225

² Withheld to avoid disclosing data for individual establishments.

COMPRESSED AND LIQUEFIED GASES

[A preliminary report for this industry was issued on Nov. 30, 1934]

Description of the industry.—This industry embraces establishments engaged primarily in the production of gases, such as anhydrous ammonia, carbon dioxide, chlorine, hydrogen, oxygen, etc., which are usually sold in compressed and liquefied forms but some of which, as carbon dioxide for the manufacture of "dry ice" (solid carbon dioxide) and hydrogen for the manufacture of ammonia and other commodities, are delivered through pipes. "Dry ice" also is treated as a product of this industry.

Extent of coverage.—All the establishments in this industry that reported at the census for 1931 were accounted for in the canvass for 1933.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ¹	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>United States</i>								
1933.....	326	1,430	2,763	2,419	3,154	8,586	32,007	23,421
1931.....	349	(4)	2,844	(4)	3,896	10,135	41,806	31,672
1929.....	354	3,056	3,390	5,663	5,378	14,529	52,190	37,661
1927.....	313	2,541	3,212	4,780	4,948	11,749	50,547	38,799
<i>States</i>								
<i>California:</i>								
1933.....	24	94	161	152	184	706	2,258	1,553
1931.....	26	(4)	155	(4)	224	791	2,594	1,803
Colorado: 1933 ³	6	10	32	18	35	105	321	217
<i>Florida:</i>								
1933.....	5	9	22	16	23	56	223	167
1931.....	6	(4)	26	(4)	22	67	264	197
<i>Georgia:</i>								
1933.....	7	28	57	51	53	146	540	394
1931.....	9	(4)	64	(4)	71	183	596	413
<i>Illinois:</i>								
1933.....	16	101	154	140	178	495	2,297	1,802
1931.....	17	(4)	133	(4)	250	626	3,424	2,798
<i>Indiana:</i>								
1933.....	9	29	83	50	99	313	1,154	841
1931.....	9	(4)	74	(4)	89	289	1,255	986
<i>Kansas:</i>								
1933.....	7	11	21	22	23	116	385	260
1931.....	7	(4)	25	(4)	33	127	417	290
<i>Louisiana:</i>								
1933.....	10	34	54	53	53	179	634	455
1931.....	11	(4)	56	(4)	73	256	894	633
<i>Maryland:</i>								
1933.....	5	23	52	43	59	181	586	405
1931.....	5	(4)	51	(4)	60	178	676	498

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ^{1, 2}	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>States—Continued</i>								
Massachusetts:								
1933.....	9	56	101	94	130	338	1,220	882
1931.....	8	(⁴)	87	(⁴)	116	380	1,506	1,126
Michigan:								
1933.....	16	66	161	102	177	494	1,713	1,219
1931.....	17	(⁴)	104	(⁴)	156	433	1,774	1,341
Minnesota:								
1933.....	9	55	64	94	74	222	820	598
1931.....	9	(⁴)	54	(⁴)	74	262	1,026	764
Missouri:								
1933.....	11	73	92	126	110	311	1,155	843
1931.....	12	(⁴)	95	(⁴)	185	303	1,456	1,153
New Jersey:								
1933.....	12	88	187	164	231	713	2,446	1,733
1931.....	13	(⁴)	262	(⁴)	390	1,009	4,004	2,995
New York:								
1933.....	11	72	175	113	210	369	1,969	1,600
1931.....	12	(⁴)	185	(⁴)	262	717	3,621	2,904
Ohio:								
1933.....	33	154	360	266	411	897	3,406	2,509
1931.....	34	(⁴)	310	(⁴)	432	957	4,063	3,106
Oklahoma:								
1933.....	7	24	26	40	28	126	385	259
1931.....	7	(⁴)	30	(⁴)	40	155	493	333
Pennsylvania:								
1933.....	30	147	352	240	422	793	3,809	3,016
1931.....	33	(⁴)	337	(⁴)	479	889	4,384	3,495
Tennessee:								
1933.....	8	11	36	20	43	94	435	341
1931.....	7	(⁴)	33	(⁴)	47	123	525	402
Texas:								
1933.....	22	64	127	133	131	406	1,215	809
1931.....	24	(⁴)	132	(⁴)	158	477	1,570	1,093
Utah:								
1933.....	5	11	23	20	29	60	179	118
1931.....	5	(⁴)	28	(⁴)	42	82	284	202
Virginia:								
1933.....	8	36	68	51	68	209	762	553
1931.....	10	(⁴)	121	(⁴)	164	281	1,265	984
Washington:								
1933.....	10	27	57	46	50	134	442	308
1931.....	10	(⁴)	37	(⁴)	54	165	627	463
West Virginia:								
1933.....	7	41	109	66	122	372	1,054	682
1931.....	7	(⁴)	96	(⁴)	128	378	1,147	768
Wisconsin:								
1933.....	6	28	31	50	36	166	580	414
1931.....	7	(⁴)	63	(⁴)	90	233	966	733
Other States: ⁶								
1933.....	33	138	158	250	175	583	2,017	1,435
1931.....	44	(⁴)	236	(⁴)	305	774	2,975	2,201

¹ Not including proprietors and firm members, as follows: 1933, 2; 1931, no data; 1929, 3; 1927, 3.² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.³ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.⁴ No data.⁵ Figures for 1931 included in those for "Other States" to avoid disclosing approximations of the data for individual establishments.⁶ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Ala., 6, 7; Ariz., 2, 2; Ark., 1, 1; Colo. (1931), 6; Conn., 0, 1; D. C., 0, 1; Idaho, 0, 1; Iowa, 6, 6; Ky., 3, 4; Maine, 1, 1; Mont., 1, 1; Nebr., 3, 3; N. C., 3, 3; Oreg., 4, 4; S. Dak., 1, 1; Wyo., 2, 2.

TABLE 2.—PRODUCTS, BY KIND, QUANTITY, AND VALUE, FOR THE UNITED STATES: 1933, 1931, and 1929

	QUANTITY ¹			VALUE IN THOUSANDS OF DOLLARS ¹		
	1933	1931	1929	1933	1931	1929
1. "Compressed and liquefied gases" industry, all products, total value.....				32,007	41,806	52,190
2. Compressed and liquefied gases.....						
3. Other products (not normally belonging to the industry).....				31,726	41,471	51,623
4. Compressed and liquefied gases made as secondary products in other industries, value.....				281	335	567
Compressed and liquefied gases, aggregate (2 and 4).....				18,055	² 21,013	19,670
				49,781	² 62,484	71,293
	<i>M lb.</i>	<i>M lb.</i>	<i>M lb.</i>			
Ammonia, anhydrous ^{3, 4}	160,269	127,099	173,349	7,525	8,044	10,673
Carbon dioxide (not including "dry ice") ⁵	⁵ 117,332	⁵ 153,575	136,930	4,466	6,226	6,932
"Dry ice" (solid carbon dioxide) ⁵	59,058	84,954	(⁶)	1,970	2,900	(⁶)
Chlorine, total production ⁷	423,178	361,740	398,944			
Made and consumed in same establishments.....						
For sale.....	179,052	106,229	109,089			
Sulphur dioxide ⁸	249,126	255,511	289,855	4,486	5,248	7,113
	19,660	16,105	17,601	968	839	974
	<i>Thous. M cu. ft.</i>	<i>Thous. M cu. ft.</i>	<i>Thous. M cu. ft.</i>			
Hydrogen ⁹	589	494	208	915	957	1,423
Hydrocarbon gases: ⁹						
Acetylene.....	754	743	970	11,039	12,912	16,554
	<i>Million gal.</i>	<i>Million gal.</i>	<i>Million gal.</i>			
Liquefied petroleum gases.....	179	255,140	(⁶)	2,524	5,779	(⁶)
Other hydrocarbon gases.....				1,217	1,627	2,447
	<i>Thous. M cu. ft.</i>	<i>Thous. M cu. ft.</i>	<i>Thous. M cu. ft.</i>			
Oxygen, total production for sale ⁹	1,822	2,050	3,140	12,997	16,411	23,410
Liquefaction process.....	1,757	1,998	2,817	12,420	15,896	(⁶)
Electrolytic process.....	65	53	323	577	515	(⁶)
	<i>Million gal.</i>	<i>Million gal.</i>	<i>Million gal.</i>			
Nitrous oxide ⁹	82	95	110	811	923	1,196
Other gases ¹⁰				863	619	571

¹ See sec. 25, p. 13.

² Revised.

³ Distribution of number of establishments, by States, for 1933:

Ammonia, anhydrous, 13: Calif., 2; Ohio, 2; Pa., 2; Colo., Mich., Mo., N. J., N. Y., Va., W. Va., 1 each; Carbon dioxide (not including "dry ice"), 50: Calif., 7; N. Y., 5; Ill., 4; Mich., 3; Ohio, 3; Pa., 3; Tenn., 3; Tex., 3; Fla., 2; Ga., 2; Mass., 2; N. J., 2; Wash., 2; Ala., Colo., Ind., La., Md., Minn., Mo., N. C., Va., 1 each.

Dry ice (solid carbon dioxide), 26: Calif., 4; Pa., 3; N. Y., 2; Ohio, 2; Tex., 2; Colo., Fla., Ga., Ill., Ind., La., Mass., Mich., Minn., Mo., N. J., Va., Wash., 1 each.

Chlorine, 19: N. Y., 6; Calif., 2; Mich., 2; Wash., 2; W. Va., 2; Ill., N. H., N. J., Ohio, R. I., 1 each.

Sulphur dioxide, 5: N. J., 2; Calif., Va., Wis., 1 each.

Hydrogen, 36: Ohio, 5; Calif., 3; N. Y., 3; Pa., 3; Ill., 2; Mich., 2; Mo., 2; Tex., 2; Va., 2; Wis., 2; Ark., Ga., Ind., Ky., Mass., Minn., N. J., Oreg., Tenn., Wash., 1 each.

Hydrocarbon gases:

Acetylene, 108: Ohio, 9; Pa., 9; Tex., 8; Calif., 7; Mich., 7; Ill., 6; Ind., 5; La., 4; Mass., 4; Iowa, 3; Kans., 3; Minn., 3; Mo., 3; N. J., 3; N. Y., 3; Okla., 3; Va., 3; Wash., 3; Ala., 2; Ga., 2; Md., 2; Nebr., 2; Tenn., 2; W. Va., 2; Wis., 2; Ariz., Ark., Colo., Fla., Ky., Oreg., Utah, Wyo., 1 each.

Petroleum gases (liquefied), 19: Okla., 4; Calif., 3; Kans., 3; Pa., 3; Ind., La., Mich., N. J., Ohio, W. Va., 1 each.

Oxygen, 160: Ohio, 20; Pa., 19; Tex., 12; Calif., 9; Mich., 8; Ill., 7; Mo., 6; N. Y., 6; Ind., 5; La., 5; Minn., 5; N. J., 5; Va., 5; Okla., 4; Tenn., 4; Wash., 4; Wis., 4; Ala., 3; Mass., 3; Colo., 2; Fla., 2; Ga., 2; Iowa, 2; Kans., 2; Ky., 2; Md., 2; Nebr., 2; Oreg., 2; W. Va., 2; Ariz., Ark., Mont., N. C., Utah, Wyo., 1 each.

Nitrous oxide, 10: Calif., 3; Ohio, 2; Md., Mich., Mo., N. J., N. Y., 1 each.

⁴ Not including production in coke and manufactured-gas industries.

⁵ Includes, for 1933, approximately 64,500,000 pounds of carbon dioxide piped to plants making "dry ice"; for 1931, approximately 80,000,000 pounds.

⁶ Withheld to avoid disclosing approximations of production reported by individual establishments.

⁷ Not including chlorine made and consumed in the wood-pulp industry.

⁸ No data.

⁹ Not tabulated separately.

¹⁰ Argon, nitrogen, liquid oxygen, etc.

DRUGGISTS' PREPARATIONS; PATENT OR PROPRIETARY MEDICINES AND COMPOUNDS; PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS

[A preliminary report for these industries was issued on Oct. 26, 1934]

Because of the close relationship existing among these three industries, the statistics are given both separately and in combination in the tables herewith.

Description of the industries.—The "Druggists' preparations" industry embraces those establishments which are engaged primarily in the manufacture of serums, vaccines, tablets, pills, tinctures, medicinal plasters, cough sirups, ointments, and other pharmaceuticals.

The principal products of the "Patent or proprietary medicines and compounds" industry are medicines and compounds sold under the protection of patents, copyrights, or trade-marks, or prepared according to secret formulas, including medicines of a proprietary character, not necessarily patented or sold under a trade-mark, and various compounds or products handled by the pharmaceutical trade, such as insecticides, corn cures, household ammonia, disinfectants, boiler compounds, etc.

The establishments assigned to the "Perfumes, cosmetics, and other toilet preparations" industry are those whose leading products are perfumes of all kinds; toilet waters, creams and rouges, face, talcum, and other toilet powders; tooth pastes and other dentifrices; washes and lotions; skin emollients; etc.

Revision of the schedule.—An extensive revision of the schedule used for these three industries has made necessary the reclassification of some of the establishments. In order to maintain the comparableness of the statistics, the summary figures for 1931 for the several industries have been revised. No revision of the figures for the group as a whole was necessary.

Extent of coverage.—The 1933 coverage of the establishments reporting in these industries for 1931 was practically complete. Eleven of the 449 establishments in the "Druggists' preparations" industry which reported for 1931, 37 of the 1246 establishments in the "Patent or proprietary medicines and compounds" industry, and 48 of the 658 establishments in the "Perfumes, cosmetics, and other toilet preparations" industry failed to supply any information in regard to their status (active, idle, etc.) or their activities in 1933, but these establishments in the first-named industry accounted for only a small fraction of 1 percent of the total number of wage earners and the total value of products reported for 1931, those in the second for only a little more than 1 percent of the wage earners and about one-half of 1 percent of the value of products, and those in the third for about 2 percent of the wage earners and less than 1 percent of the value of products.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ¹ 2	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
THE GROUP AS A WHOLE								
<i>United States</i>								
1933.....	1,866	11,077	30,638	19,184	28,124	114,979	381,970	266,991
1931 ⁵	2,353	(⁶)	33,699	(⁶)	35,883	147,180	522,137	374,957
1929.....	2,766	19,274	40,231	53,085	44,996	196,845	637,126	440,281
1927.....	2,360	18,353	35,672	44,329	39,575	177,906	549,798	371,892
DRUGGISTS' PREPARATIONS								
<i>United States</i>								
1933.....	411	4,264	12,920	7,815	13,154	43,571	146,776	103,205
1931 ⁵	449	(⁶)	14,087	(⁶)	16,984	51,197	173,397	122,701
1929.....	392	(⁶)	9,476	(⁶)	10,552	32,208	109,448	77,240
1927.....	429	3,930	10,688	11,418	12,452	43,776	124,778	81,003
1927.....	373	4,478	10,138	10,373	11,942	40,499	110,309	69,810
<i>States</i>								
California:								
1933.....	18	112	202	190	206	661	1,841	1,180
1931 ⁵	19	(⁶)	197	(⁶)	233	811	2,270	1,459
Georgia:								
1933.....	6	6	24	15	21	111	196	85
1931 ⁵	6	(⁶)	24	(⁶)	16	64	163	99
Illinois:								
1933.....	37	394	810	597	818	3,444	9,052	5,608
1931 ⁵	43	(⁶)	764	(⁶)	951	3,880	11,741	7,861
Iowa:								
1933.....	9	54	198	88	186	529	1,235	706
1931 ⁵	12	(⁶)	190	(⁶)	212	780	1,810	1,030
Kansas:								
1933.....	10	12	70	24	78	178	360	182
1931 ⁵	13	(⁶)	115	(⁶)	157	473	1,019	546
Kentucky:								
1933.....	6	20	43	38	32	113	368	254
1931 ⁵	7	(⁶)	61	(⁶)	53	251	642	392
Maryland:								
1933.....	10	50	195	86	191	574	1,656	1,081
1931 ⁵	9	(⁶)	219	(⁶)	213	655	2,063	1,408
Massachusetts:								
1933.....	21	109	643	171	575	2,613	7,314	4,701
1931 ⁵	21	(⁶)	1,024	(⁶)	1,217	3,458	8,958	5,500
Michigan:								
1933.....	16	671	2,306	1,531	2,717	6,818	25,977	19,159
1931 ⁵	18	(⁶)	2,122	(⁶)	2,900	7,097	29,749	22,652
Minnesota:								
1933.....	4	6	14	16	12	31	111	80
1931 ⁵	9	(⁶)	62	(⁶)	73	232	719	487
Missouri:								
1933.....	26	237	786	356	810	3,544	10,089	6,545
1931 ⁵	32	(⁶)	1,019	(⁶)	1,081	3,969	11,141	7,172
Nebraska:								
1933.....	10	32	112	66	106	380	973	593
1931 ⁵	10	(⁶)	124	(⁶)	140	585	1,461	876
New Jersey:								
1933.....	23	264	861	494	956	2,432	9,679	7,247
1931 ⁵	24	(⁶)	1,025	(⁶)	1,101	3,046	11,794	8,748
New York:								
1933.....	94	856	2,435	1,699	2,379	8,333	33,089	24,257
1931 ⁵	96	(⁶)	2,705	(⁶)	2,888	10,174	36,954	26,781
Ohio:								
1933.....	28	211	508	337	471	1,729	3,853	2,124
1931 ⁵	28	(⁶)	476	(⁶)	495	1,642	4,545	2,902
Pennsylvania:								
1933.....	36	616	1,904	997	1,664	4,725	15,913	11,188
1931 ⁵	41	(⁶)	2,137	(⁶)	2,265	5,799	21,672	15,873
Tennessee:								
1933.....	7	58	175	92	130	1,035	2,295	1,261
1931 ⁵	6	(⁶)	124	(⁶)	93	801	1,928	1,127

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employ-ees ^{1 2}	Number of wage earners (average for the year)	Sal-aries ²	Wages	Cost of materials, contain-ers, fuel, and pur-chased electric energy	Value of products	Value added by manu-facture ²
Thousands of dollars. (See sec. 25, p. 13)								
DRUGGISTS' PREPARATIONS—continued								
<i>States—Continued</i>								
Texas:								
1933	5	15	85	34	69	245	693	448
1931 ⁵	5	(⁴)	70	(⁴)	77	238	608	370
Other States:⁷								
1933	45	541	1,549	971	1,736	5,576	22,081	16,506
1931 ⁵	50	(⁴)	1,629	(⁴)	1,819	7,244	24,662	17,418
PATENT OR PROPRIETARY MEDICINES AND COMPOUNDS								
<i>United States</i>								
1933	965	4,530	8,740	7,503	7,500	38,233	138,145	99,912
1931 ⁵	1,246	(⁴)	9,586	(⁴)	10,226	51,799	194,421	142,622
1931 ⁶	1,298	(⁴)	13,475	(⁴)	14,885	68,416	254,514	186,098
1929	1,522	9,224	16,434	25,560	18,781	94,770	318,907	224,137
1927	1,282	8,463	15,071	21,362	16,667	84,641	278,243	193,602
<i>States</i>								
Alabama:								
1933	5	2	15	(⁶)	7	29	58	30
1931 ⁵	6	(⁴)	15	(⁴)	9	30	77	47
Arkansas:								
1933	4	5	13	9	6	60	136	77
1931	6	(⁴)	8	(⁴)	7	36	107	71
California:								
1933	68	131	311	207	315	1,347	2,911	1,563
1931 ⁵	89	(⁴)	387	(⁴)	498	2,355	6,420	4,065
Colorado:								
1933	9	16	29	22	26	88	169	81
1931	10	(⁴)	33	(⁴)	38	108	288	180
Florida:								
1933	14	30	82	45	52	362	755	393
1931 ⁵	13	(⁴)	81	(⁴)	65	405	1,328	923
Georgia:								
1933	22	104	139	135	84	379	2,222	1,843
1931 ⁵	23	(⁴)	133	(⁴)	108	540	3,095	2,494
Illinois:								
1933	104	746	1,183	1,211	1,100	5,573	19,069	13,495
1931 ⁵	130	(⁴)	1,281	(⁴)	1,397	6,595	28,024	21,429
Indiana:								
1933	25	141	298	292	227	937	3,369	2,432
1931 ⁵	31	(⁴)	310	(⁴)	324	1,009	4,610	3,601
Iowa:								
1933	24	91	108	102	66	368	1,206	838
1931 ⁵	43	(⁴)	149	(⁴)	154	782	2,391	1,609
Kansas:								
1933	6	7	29	10	23	27	81	55
1931	8	(⁴)	18	(⁴)	18	38	153	115
Kentucky:								
1933	4	5	18	18	13	42	128	86
1931 ⁵	7	(⁴)	37	(⁴)	26	65	244	179
Louisiana:								
1933	15	18	85	24	48	219	719	500
1931 ⁵	18	(⁴)	91	(⁴)	61	353	1,015	662
Maine:								
1933	4	10	18	14	15	42	150	108
1931 ⁵	8	(⁴)	31	(⁴)	27	63	231	169
Maryland:								
1933	26	151	317	250	264	1,946	7,497	5,551
1931 ⁵	28	(⁴)	311	(⁴)	286	2,673	9,517	6,844
Massachusetts:								
1933	48	224	407	364	350	1,440	6,422	4,982
1931 ⁵	54	(⁴)	419	(⁴)	526	2,080	8,612	6,522

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ^{1,2}	Number of wage earners (average for the year)	Salaries ²	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars.</i> (See sec. 25, p. 13)								
PATENT OR PROPRIETARY MEDICINES AND COMPOUNDS—continued								
<i>States—Continued</i>								
Michigan:								
1933.....	33	219	398	403	293	1,510	4,722	3,212
1931 ⁴	40	(⁴)	436	(⁴)	410	2,288	7,403	5,116
Minnesota:								
1933.....	24	328	395	475	368	2,077	5,200	3,123
1931 ⁴	33	(⁴)	414	(⁴)	439	1,802	5,090	3,287
Missouri:								
1933.....	53	290	541	501	455	2,368	10,737	8,368
1931 ⁴	70	(⁴)	610	(⁴)	626	3,575	17,122	13,546
Nebraska:								
1933.....	8	28	34	31	33	137	442	305
1931 ⁴	15	(⁴)	52	(⁴)	66	300	994	694
New Jersey:								
1933.....	54	338	746	627	753	4,478	19,140	14,662
1931 ⁴	72	(⁴)	989	(⁴)	1,212	8,699	29,875	21,175
New York:								
1933.....	158	619	1,230	1,253	1,302	5,480	21,828	16,349
1931 ⁴	195	(⁴)	1,557	(⁴)	1,854	7,887	30,434	22,547
North Carolina:								
1933.....	12	50	229	92	162	871	4,404	3,533
1931 ⁴	12	(⁴)	197	(⁴)	139	754	3,967	3,212
Ohio:								
1933.....	58	155	315	274	252	1,228	4,677	3,450
1931 ⁴	78	(⁴)	413	(⁴)	407	2,309	7,994	5,685
Oklahoma:								
1933.....	3		4		3	31	57	26
1931 ⁴	3	(⁴)	4	(⁴)	6	16	41	25
Oregon:								
1933.....	4	7	29	8	18	122	183	61
1931 ⁴	6	(⁴)	12	(⁴)	13	94	199	105
Pennsylvania:								
1933.....	71	246	527	351	457	2,207	7,671	5,464
1931 ⁴	99	(⁴)	553	(⁴)	579	2,403	8,975	6,572
Rhode Island:								
1933.....	5	10	26	14	23	64	209	146
1931 ⁴	6	(⁴)	27	(⁴)	26	72	283	212
South Carolina:								
1933.....	3	3	6	3	6	9	24	15
1931 ⁴	5	(⁴)	9	(⁴)	9	23	60	37
Tennessee:								
1933.....	17	325	708	422	382	2,466	5,467	3,001
1931 ⁴	25	(⁴)	399	(⁴)	310	1,415	4,740	3,326
Texas:								
1933.....	23	39	76	58	63	292	704	413
1931 ⁴	27	(⁴)	81	(⁴)	73	286	956	670
Vermont:								
1933.....	9	37	96	72	77	196	657	460
1931 ⁴	10	(⁴)	100	(⁴)	79	346	973	627
Virginia:								
1933.....	9	13	23	15	17	107	232	125
1931 ⁴	10	(⁴)	30	(⁴)	25	207	404	197
Washington:								
1933.....	7	10	16	17	12	61	148	87
1931 ⁴	11	(⁴)	17	(⁴)	17	133	331	198
West Virginia:								
1933.....	4	11	16	13	10	46	127	81
1931 ⁴	5	(⁴)	15	(⁴)	16	33	158	125
Wisconsin:								
1933.....	12	44	50	60	42	178	465	286
1931 ⁴	21	(⁴)	75	(⁴)	64	275	1,004	729
Other States: ⁵								
1933.....	20	77	226	113	177	1,447	6,157	4,710
1931 ⁴	29	(⁴)	292	(⁴)	311	1,740	7,368	5,627

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employes ^{1 2}	Number of wage earners (average for the year)	Salaries ¹	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ³
<i>Thousands of dollars.</i> (See sec. 25, p. 13)								
PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS								
<i>United States</i>								
1933.....	490	2,283	8,978	3,866	7,470	33,175	97,049	63,874
1931 ⁴	658	(⁴)	10,026	(⁴)	9,674	44,184	155,818	109,634
1931 ⁵	663	(⁴)	10,748	(⁴)	10,446	46,556	158,175	111,618
1929.....	815	6,120	13,109	16,107	13,763	58,299	193,441	135,142
1927.....	705	5,412	10,463	12,594	10,965	52,765	161,246	108,480
<i>States</i>								
Alabama:								
1933 ¹⁰	4	8	10	5	9	47	96	49
California:								
1933.....	37	91	245	173	252	796	2,812	1,616
1931.....	39	(⁴)	175	(⁴)	193	763	2,462	1,699
Georgia:								
1933.....	10	34	78	47	43	244	521	277
1931.....	12	(⁴)	70	(⁴)	39	225	563	337
Illinois:								
1933.....	63	215	960	338	762	4,126	14,277	10,151
1931.....	84	(⁴)	1,022	(⁴)	1,043	4,800	22,435	17,634
Indiana:								
1933.....	9	35	57	35	44	265	484	218
1931.....	13	(⁴)	103	(⁴)	80	286	1,048	762
Iowa:								
1933 ¹⁰	6	73	195	85	222	759	2,246	1,487
Maryland:								
1933.....	5	8	25	10	21	39	121	82
1931.....	12	(⁴)	89	(⁴)	69	371	1,317	945
Massachusetts:								
1933.....	17	23	57	34	48	184	468	284
1931.....	25	(⁴)	102	(⁴)	94	472	1,379	907
Michigan:								
1933.....	7	24	84	45	80	398	1,213	815
1931.....	18	(⁴)	92	(⁴)	106	455	1,729	1,276
Minnesota:								
1933.....	17	51	147	66	113	437	1,091	654
1931.....	21	(⁴)	145	(⁴)	134	504	1,929	1,365
Missouri:								
1933.....	21	108	300	159	273	1,094	3,785	2,690
1931.....	35	(⁴)	372	(⁴)	314	1,391	4,540	3,149
Nebraska:								
1933.....	4	6	11	11	11	30	95	65
1931.....	6	(⁴)	23	(⁴)	19	38	137	99
New Jersey:								
1933.....	23	301	1,047	548	921	5,554	19,979	14,425
1931.....	24	(⁴)	867	(⁴)	1,035	5,476	23,787	18,311
New York:								
1933.....	166	955	4,478	1,822	3,755	14,428	36,611	22,183
1931.....	229	(⁴)	5,290	(⁴)	5,270	21,411	66,404	44,993
Ohio:								
1933.....	21	110	358	153	261	1,472	3,677	2,205
1931.....	22	(⁴)	438	(⁴)	341	1,886	5,601	3,715
Pennsylvania:								
1933.....	19	38	145	58	120	584	1,904	1,320
1931.....	29	(⁴)	174	(⁴)	163	829	2,676	1,848
Tennessee:								
1933.....	12	60	242	68	135	582	1,261	679
1931.....	13	(⁴)	331	(⁴)	172	1,421	3,87	2,449

For footnotes, see end of table.

TABLE 1.—SUMMARY FOR THE UNITED STATES, 1927 TO 1933, AND FOR STATES, 1933 AND 1931—Continued

[See sec. 26, p. 13]

	Number of establishments	Number of salaried employees ^{1, 2}	Number of wage earners (average for the year)	Salaries ³	Wages	Cost of materials, containers, fuel, and purchased electric energy	Value of products	Value added by manufacture ⁴
PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS—continued								
<i>States—Continued</i>								
Texas:								
1933.....	10	28	65	27	46	377	612	235
1931 ⁵	10	(⁶)	55	(⁷)	38	249	598	349
Wisconsin:								
1933.....	3	7	11	10	7	26	69	44
1931.....	3	(⁶)	17	(⁷)	14	64	196	132
Other States: ¹¹								
1933.....	31	108	463	173	346	1,730	6,226	4,496
1931 ⁸	63	(⁹)	661	(¹⁰)	548	3,483	13,146	9,663

¹ Not including proprietors and firm members, as follows: Druggists' preparations—1933, 106; 1931, no data; 1929, 135; 1927, 154. Patent or proprietary medicines and compounds—1933, 283; 1931, no data; 1929, 462; 1927, 633. Perfumes, cosmetics, and other toilet preparations—1933, 154; 1931, no data; 1929, 266; 1927, 375.

² The figures for 1933 do not include data for number and compensation of salaried officers of corporations, and therefore are not strictly comparable with the corresponding figures for 1929 and 1927, in which such data are included. No data for employees of central administrative offices are included in the figures for any year.

³ Value of products less cost of materials, containers, fuel, and purchased electric energy. See sec. 20, p. 11.

⁴ No data.

⁵ Revised (see "Revision of the schedule," p. 330); comparable with 1933.

⁶ As published; comparable with 1929 and prior years.

⁷ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Colorado, 3, 5; Connecticut, 3, 3; District of Columbia, 3, 3; Florida, 1, 1; Indiana, 16, 16; Louisiana, 2, 2; Maine, 1, 2; New Hampshire, 1, 1; Oklahoma, 1, 1; Rhode Island, 2, 3; South Dakota, 1, 2; Vermont, 1, 1; Virginia, 3, 2; Washington, 1, 1; West Virginia, 2, 2; Wisconsin, 4, 5.

⁸ Withheld to avoid disclosing compensation of individual employees; included in figure for "Other States."

⁹ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Arizona, 1, 1; Connecticut, 12, 15; Delaware, 2, 3; District of Columbia, 2, 3; Idaho, 0, 1; Mississippi, 1, 2; New Hampshire, 0, 1; South Dakota, 2, 3.

¹⁰ Figures for 1931 included in those for "Other States" to avoid disclosing data for an individual establishment.

¹¹ States included and numbers of establishments reporting for 1933 and 1931, respectively, are: Alabama (1931), 3; Colorado, 2, 6; Connecticut, 3, 11; District of Columbia, 1, 1; Florida, 2, 3; Iowa (1931), 6; Kansas, 0, 2; Kentucky, 2, 4; Louisiana, 3, 7; Maine, 0, 1; Mississippi, 1, 1; New Hampshire, 0, 1; North Carolina, 0, 1; Oklahoma, 1, 1; Oregon, 1, 2; Rhode Island, 2, 2; Utah, 1, 1; Virginia, 2, 3; Washington, 5, 7.

TABLE 2.—PRODUCTS, BY CLASS, KIND, AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929

	1933 Reported on standard schedule ¹	1931 Comparable with 1933 ²	1931 As published; comparable with 1929	1929
1. The drug industries (except drug grinding), all products, total value.....	\$381,970,001		\$522,137,025	\$637,125,955
2. Products normally belonging to the drug industries.....	349,678,937	\$467,699,665	491,392,001	599,634,025
3. Other products, not normally belonging to these industries.....	17,295,897	29,467,082	30,745,024	37,491,940
4. Products normally belonging to the drug industries and other products, not reported separately (on abbreviated schedule) ²	14,995,167			
5. Products normally belonging to the drug industries, made as secondary products in other industries, value.....	30,890,506	36,054,243	36,054,243	40,797,450
Products normally belonging to the drug industries, aggregate value (2 and 5).....	380,569,443	503,753,909	527,446,244	640,431,475
<i>Druggists' preparations, total value</i>	128,755,024	152,905,543	159,720,243	181,930,109
Made in the "Druggists' preparations" industry.....	117,782,628	(³)	(³)	(³)
Made as secondary products in other industries.....	10,972,396	(³)	(³)	(³)
Alkaloids and derivatives.....	7,591,315	7,636,177	7,676,913	8,029,633
Biological products, total value.....	19,597,019	24,474,135	25,830,033	23,871,596
For human use:				
Antitoxins.....	1,652,769	2,430,274	2,430,274	2,916,918
Bacterins.....	811,290	1,004,173	1,026,220	808,711
Serums.....	915,167	1,103,240	1,103,246	673,055
Vaccines.....	1,118,940	1,142,473	1,146,052	1,091,812
Viruses.....	389,604	193,337	193,337	340,734
For animal use:				
Antitoxins.....	242,697	248,329	255,141	635,070
Bacterins.....	370,244	407,724	542,730	775,785
Serums.....	2,995,862	4,532,113	5,435,630	6,802,688
Vaccines.....	278,592	432,289	515,917	561,874
Viruses.....	494,594	753,789	885,925	908,767
Organo-therapeutics (for human and animal use).....	10,327,260	10,949,744	11,008,890	7,021,428
Undistributed (not reported by kind).....		1,176,644	1,236,671	1,333,754
Medicinal (pharmaceutical) chemicals and their salts.....	8,272,594	14,604,651	15,165,053	12,378,435
Pharmaceutical and galenical preparations, total value.....	93,294,096	106,190,580	111,048,244	137,650,445
(a) Tinctures, fluid extracts, elixirs, sirups, solutions, etc.....	14,728,853	(³)	(³)	(³)
(b) Ointments, cerates, suppositories, etc.....	5,033,176	(³)	(³)	(³)
(c) Pills, tablets, filled capsules, lozenges, etc.....	24,794,742	(³)	(³)	(³)
(d) Pharmaceutical specialties (dispensed on physicians' prescriptions or through physicians).....	32,759,312	(³)	(³)	(³)
(e) Other.....	15,948,013	(³)	(³)	(³)
<i>Patent or proprietary medicines and compounds, total value</i>	143,128,847	192,503,752	201,468,643	256,812,212
Made in the "Patent or proprietary medicines and compounds" industry.....	113,058,092	(³)	(³)	(³)
Made as secondary products in other industries.....	30,070,755	(³)	(³)	(³)

For footnotes, see end of table.

TABLE 2.—PRODUCTS, BY CLASS, KIND, AND VALUE, FOR THE UNITED STATES: 1933, 1931, AND 1929—Continued

	1933 Reported on standard schedule ¹	1931 Comparable with 1933 ²	1931 As published; comparable with 1929	1929
<i>Patent or proprietary medicines and compounds—</i>				
<i>Continued.</i>				
Patent and proprietary packaged medicines (not including pharmaceutical specialties dispensed on physicians' prescriptions or through physicians), total value.....	\$108,870,897	\$140,604,096	\$145,825,147	\$176,698,127
Antiseptics, oral and other ³	13,277,010	(³)	(³)	(³)
Cough syrups and cold tablets.....	9,031,384	(³)	(³)	(³)
Headache remedies.....	6,934,695	(³)	(³)	(³)
Inhalants, liniments, chest rubs, catarrhal jellies, etc., for colds.....	14,759,078	(³)	(³)	(³)
Laxatives.....	20,461,006	(³)	(³)	(³)
Other.....	44,407,724	(³)	(³)	(³)
Patent or proprietary compounds, total value..	34,257,950	(³)	(³)	(³)
Antiseptics ⁴	1,197,982	(³)	(³)	(³)
Deodorants, other than for human use.....	893,847	1,342,718	1,500,541	(³)
Disinfectants.....	3,332,734	5,033,336	5,411,502	7,331,787
Germicides.....	921,394	1,411,634	1,468,896	2,482,798
Household insecticides.....	7,460,618	13,811,097	14,773,046	15,077,107
Agricultural insecticides and fungicides: ⁷				
Lime-sulphur solution.....	360,685			
All other.....	3,074,676	6,390,964	6,964,534	10,330,835
Disinfectants and insecticides not reported by kind.....		941,598	941,598	3,345,314
Household ammonia.....	709,117	1,187,176	1,272,241	1,253,149
Boiler compounds.....	3,170,077	3,006,577	3,386,537	5,083,950
Other industrial compounds.....	13,136,820	18,713,605	19,924,611	* 35,200,145
<i>Perfumes, cosmetics, and other toilet prepara-</i> <i>tions, total value.....</i>	108,685,572	158,344,614	166,257,358	201,689,154
Made in the "Perfumes, cosmetics, and other toilet preparations" industry.....	79,945,040	(³)	(³)	(³)
Made as secondary products in other in-				
dustries.....	28,740,532	(³)	(³)	(³)
Perfumes and toilet waters.....	8,403,496	13,882,865	15,003,715	27,461,970
Creams, other than shaving cream.....	15,635,520	23,709,771	25,124,553	33,347,464
Lip sticks and lip rouges.....	4,055,036	4,938,663	5,100,047	
Other rouges.....	2,925,419	5,418,219	5,629,874	12,308,069
Dentifrices.....	25,956,856	35,477,434	35,699,132	32,463,698
Deodorants for human use.....	1,840,765	2,619,895	2,802,169	(³)
Shampoos.....	2,692,986	3,940,352	4,087,052	5,796,526
Face powders.....	12,023,020	18,289,129	18,871,771	24,037,625
Talcum powders.....	4,380,058	8,203,908	8,417,095	8,343,697
Other toilet powders.....	2,108,652	2,377,608	2,543,202	2,340,008
Hair dyes, tonics, and dressings.....	8,972,328	13,836,197	15,889,143	
Face lotions.....	4,241,281	5,447,474	5,816,761	55,589,191
Other toilet preparations.....	15,450,155	20,203,099	21,271,944	

¹ See sec. 5c, p. 4.

² See sec. 5c, p. 4. The figures given in this column represent the production, in 1931, of those classes of establishments (not in all cases the same individual establishments) which reported on the standard schedule for 1933.

³ No comparable figures available because of changes in classification of products at 1933 census. See "Revision of the schedule," p. 330.

⁴ Includes \$22,432,260 for 1931 and \$21,799,004 for 1929, values of antiseptics reported as "Proprietary compounds." The schedules used for 1931 and 1929 did not provide for reporting antiseptics under the head "Patent and proprietary packaged medicines."

⁵ The total values of antiseptics produced, as reported for 1933, 1931, and 1929, were as follows: 1933, \$14,474,992; 1931, \$22,432,260; 1929, \$21,799,004. See footnote 4.

⁶ No figure comparable with those for 1933 and 1931 can be given. The value published for 1929 (\$5,032,968) included that of deodorants for human use. This is now included in the figure for "Other industrial compounds."

⁷ Not including production in the "Chemicals not elsewhere classified" industry.

⁸ Not strictly comparable with figures for 1933 and 1931. See footnote 6.

⁹ Data incomplete.

TABLE 3.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933				1931			
	March	June	Sept.	Dec.	March	June	Sept.	Dec.
THE GROUP AS A WHOLE								
United States.....	29, 023	29, 254	32, 229	33, 202	34, 965	32, 068	33, 853	32, 795
DRUGGISTS' PREPARATIONS								
United States.....	12, 409	12, 282	13, 465	14, 194	14, 432	13, 805	14, 094	13, 912
<i>States</i>								
California.....	200	192	208	211	189	196	207	203
Colorado.....	26	36	33	22	30	32	30	15
Connecticut.....	352	364	523	556	427	419	411	402
District of Columbia.....	11	14	19	31	22	16	16	16
Georgia.....	26	24	24	23	24	24	21	23
Illinois.....	732	724	929	942	732	750	787	770
Indiana.....	732	779	794	853	892	866	851	853
Iowa.....	176	193	217	216	188	210	201	179
Kansas.....	59	71	87	67	112	109	115	131
Kentucky.....	33	56	30	36	75	65	45	49
Maryland.....	191	188	194	200	237	215	216	217
Massachusetts.....	623	583	594	711	1, 128	873	1, 040	1, 005
Michigan.....	2, 229	2, 212	2, 352	2, 571	2, 149	2, 078	2, 106	2, 155
Minnesota.....	11	15	13	15	73	59	61	54
Missouri.....	740	714	858	885	1, 029	1, 017	1, 031	973
Nebraska.....	97	112	135	122	117	125	122	131
New Jersey.....	887	831	873	910	1, 001	1, 043	994	975
New York.....	2, 386	2, 356	2, 484	2, 610	2, 730	2, 665	2, 697	2, 711
Ohio.....	478	485	550	515	445	471	508	496
Pennsylvania.....	1, 816	1, 809	2, 000	2, 151	2, 241	2, 081	2, 154	2, 077
Tennessee.....	181	180	171	186	121	121	113	129
Texas.....	81	88	97	84	74	68	71	67
Virginia.....	45	41	44	50	(¹)	(²)	(³)	(⁴)
Wisconsin.....	56	48	52	54	58	59	62	58
PATENT OR PROPRIETARY MEDICINES AND COMPOUNDS								
United States.....	8, 299	8, 387	8, 981	9, 347	10, 138	9, 349	9, 576	9, 243
<i>States</i>								
Alabama.....	13	17	14	14	16	14	17	15
Arkansas.....	13	15	15	10	8	9	7	7
California.....	280	329	325	319	446	365	473	456
Colorado.....	28	30	30	31	33	32	34	32
Connecticut.....	165	184	203	175	221	208	302	199
Florida.....	77	75	78	76	89	70	75	83
Georgia.....	124	125	125	157	194	92	107	125
Illinois.....	1, 248	1, 182	1, 200	1, 207	1, 252	1, 334	1, 284	1, 202
Indiana.....	263	263	334	319	300	273	323	375
Iowa.....	98	97	120	116	178	145	135	121
Kansas.....	30	27	29	29	10	18	16	16
Kentucky.....	19	20	16	17	37	37	38	38
Louisiana.....	78	86	88	85	93	89	91	89
Maine.....	17	17	19	18	41	34	24	24
Maryland.....	319	314	302	338	336	321	290	304
Massachusetts.....	425	375	423	416	440	402	410	437
Michigan.....	406	417	410	402	527	388	408	379
Minnesota.....	335	340	402	482	451	426	414	376
Missouri.....	542	540	519	583	627	616	602	599
Nebraska.....	30	33	36	36	54	49	51	51
New Jersey.....	762	729	723	779	1, 055	1, 016	952	912
New York.....	1, 148	1, 192	1, 250	1, 346	1, 635	1, 501	1, 526	1, 534
North Carolina.....	181	156	228	283	149	162	305	203
Ohio.....	285	312	340	324	490	379	377	396
Oklahoma.....	4	4	4	4	3	5	3	5
Oregon.....	28	26	31	33	20	12	9	8
Pennsylvania.....	467	481	567	624	574	526	477	436
Rhode Island.....	26	27	24	25	28	26	27	26
South Carolina.....	5	5	6	6	11	10	8	7
Tennessee.....	557	645	808	762	372	396	406	426
Texas.....	63	72	83	82	87	86	88	67
Vermont.....	94	94	95	109	107	102	97	96
Virginia.....	23	24	21	23	29	32	31	29
Washington.....	36	13	10	10	42	12	13	14
West Virginia.....	16	15	16	15	15	15	15	14
Wisconsin.....	50	59	44	45	76	77	73	72

For footnotes, see end of table.

TABLE 3.—WAGE EARNERS, BY QUARTERS, FOR SELECTED STATES: 1933 AND 1931—Continued

[The average for the year (table 1) differs from the average of the quarterly figures below. (See fourth sentence, sec. 13, p. 8.) See sec. 26, p. 13]

	1933 ¹				1931 ¹			
	March	June	Sept.	Dec.	March	June	Sept.	Dec.
PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS								
United States.....	8,315	8,585	9,783	9,751	10,395	9,814	10,183	9,640
<i>States</i>								
Alabama.....	10	11	11	11	7	7	6	5
California.....	200	241	286	329	175	166	192	153
Connecticut.....	286	277	373	389	328	298	307	338
Georgia.....	78	88	86	69	80	61	68	76
Illinois.....	889	959	1,068	955	1,206	980	949	935
Indiana.....	54	54	60	62	107	108	100	95
Iowa.....	189	184	206	200	161	186	142	164
Louisiana.....	7	7	7	7	22	22	20	20
Maryland.....	25	25	24	25	102	92	77	84
Massachusetts.....	55	58	65	58	107	108	104	90
Michigan.....	73	89	91	91	96	92	90	89
Minnesota.....	137	147	146	162	144	162	144	149
Missouri.....	281	301	326	317	388	391	354	365
Nebraska.....	10	11	11	11	25	25	20	23
New Jersey.....	988	975	1,079	1,164	853	829	891	882
New York.....	4,116	4,145	4,976	4,944	5,453	5,135	5,526	5,005
Ohio.....	365	398	334	319	421	425	468	458
Pennsylvania.....	143	145	143	148	169	172	174	171
Tennessee.....	209	249	257	260	335	334	330	308
Texas.....	48	60	74	76	56	55	54	53
Washington.....	16	8	9	16	17	22	15	18
Wisconsin.....	12	13	10	10	16	17	17	16

¹ See sec. 5, p. 4, and sec. 13, p. 8. The establishments canvassed with the standard schedule reported wage earners, by months, as follows:

Druggists' preparations—Number of establishments reporting, 233.

January.....	11,958	May.....	11,372	September.....	12,673
February.....	11,841	June.....	11,528	October.....	13,170
March.....	11,687	July.....	11,616	November.....	13,299
April.....	11,406	August.....	11,947	December.....	13,423

Patent and proprietary medicines and compounds—Number of establishments reporting, 522.

January.....	7,740	May.....	7,074	September.....	7,827
February.....	7,456	June.....	7,245	October.....	8,489
March.....	7,199	July.....	7,145	November.....	8,418
April.....	7,028	August.....	7,482	December.....	8,226

Perfumes, cosmetics, and other toilet preparations—Number of establishments reporting, 263.

January.....	7,324	May.....	7,278	September.....	8,810
February.....	7,548	June.....	7,645	October.....	9,181
March.....	7,430	July.....	7,794	November.....	9,038
April.....	7,365	August.....	8,130	December.....	8,729

¹ Certain of the 1931 figures for States have been revised to make them comparable with 1933. (See "Revision of the schedule," p. 330.)

² Withheld to avoid disclosing data for individual establishments.