LEATHER AND ITS FINISHED PRODUCTS

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THE LEATHER INDUSTRY.

SUMMARY AND ANALYSIS.

Scope of the report.—This report presents the statistics for the manufacture of leather and for several industries in which leather is the chief material, and comprises the industries classified as (1) Leather, tanned, curried, and finished; (2) Boots and shoes; (3) Boot and shoe cut stock; (4) Boot and shoe findings; (5) Leather gloves and mittens; (6) Saddlery and harness; (7) Leather belting; (8) Trunks and valises; (9) Pocketbooks; and (10) Leather goods, not elsewhere specified.

In addition to the general statistics for these industries, detailed data are presented concerning materials and products for leather, tanned, curried, and finished, and concerning products for boots and shoes and leather gloves and mittens.

Principal statistics for leather and its finished products.—Table 1 gives the number of establishments, average number of wage earners, wages, cost of materials, and value of products for the industry group as a whole, and for the several component industries for 1919, 1914, and 1909. This industry group represents approximately 4.2 per cent of the value of all products for all industries for 1919, as compared with 4.6 per cent for 1914 and 4.8 per cent for 1909. Some establishments in the "leather, tanned, curried, and finished" industry worked on a contract basis, the hides or skins being furnished by other tanners or dealers in the industry, and the value of the product reported was the amount received for the work done, and not the value of the manufactured leather.

TABLE 1.—PRINCIPAL STATISTICS FOR LEATHER AND ITS FINISHED PRODUCTS: 1919, 1914, AND 1909.

	g	Number of	WAGE	EARNERS.		Value of
INDUSTRY,	Census year.	establish- ments.	Average number.	Wages.	Cost of materials.	products.
Total	1919	6, 397	349, 362	\$363, 453, 419	\$1,713,807,336	\$2,610,230,727
	1914	6, 758	307, 060	169, 357, 560	753,135,354	1,104,594,557
	1909	5, 728	309, 766	155, 110, 878	669,874,518	992,713,322
Leather, tanned, curried, and finished	1919	680	72, 476	88, 205, 473	646, 521, 527	928, 591, 701
	1914	741	55, 936	31, 914, 497	284, 245, 420	367, 201, 705
	1909	919	62, 202	32, 102, 845	248, 278, 933	327, 874, 187
Boots and shoes	1919	1, 449	211, 049	210, 734, 610	715, 269, 315	1, 155, 041, 436
	1914	1, 355	191, 555	105, 695, 404	310, 356, 586	601, 760, 458
	1909	1, 343	185, 116	92, 359, 152	277, 467, 743	442, 630, 726
Boot and shoe cut stock	1919	252	9,715	9, 124, 778	133, 887, 276	161, 203, 310
	1914	236	7,819	4, 052, 123	51, 450, 498	59, 964, 523
	1909	232	6,693	3, 156, 460	36, 919, 919	44, 661, 497
Boot and shoe findings	1919	427	8,941	8, 187, 196	40, 428, 347	62, 825, 408
	1914	369	6,714	3, 225, 683	20, 304, 183	28, 303, 186
	1909	343	6,488	2, 947, 083	18, 350, 551	25, 505, 419
Saddlery and harness	1919	1,823	10, 411	10, 849, 066	52, 442, 907	83, 713, 010
	1914	2,551	12, 969	7, 995, 612	33, 086, 442	53, 558, 612
	1909	1,347	14, 632	8, 071, 484	33, 177, 937	54, 224, 602
Trunks and vallses	1914	597 561 524	11, 470 9, 911 11, 122	12, 463, 767 5, 540, 157 5, 537, 329	33, 222, 432 13, 625, 457 14, 629, 065	63, 932, 266 26, 471, 527 2 8, 027, 964
Gloves and mittens, leather	1919	355	10, 685	8, 150, 784	26, 288, 129	46, 940, 511
	1914	352	10, 668	4, 558, 360	12, 170, 694	21, 614, 109
	1909	377	11, 354	4, 763, 830	13, 208, 001	23, 630, 598
Belting, leather	1919	172	2,765	3, 260, 439	28, 156, 711	40, 480, 654
	1914	151	2,951	2, 069, 545	15, 480, 110	23, 035, 951
	1909	139	3,006	1, 860, 880	15, 622, 603	23, 691, 887
Pocketbooks	. 1919	139	2,905	3,061,903	7, 557, 155	14, 549, 650
	1914	64	1,466	702,314	1, 783, 840	3, 350, 555
	1909	79	1,472	688,615	1, 929, 327	3, 628, 160
Leather goods, not elsewhere specified	1919	503	8, 945	9, 415, 403	30, 035, 537	52, 952, 77:
	1914	378	7, 071	3, 603, 865	10, 632, 124	19, 333, 93:
	1909	425	7, 681	3, 623, 200	10, 290, 439	18, 838, 28:

LEATHER, TANNED, CURRIED, AND FINISHED.

GENERAL STATISTICS.

Comparative summary.—Table 2 summarizes the general statistics for the industry for each census from 1879 to 1919 inclusive, with percentages of increase for the census periods.

Principal states, ranked by value of products.— Table 3 presents the statistics for the number of establishments, average number of wage earners, value of products, and value added by manufacture, by states, ranked according to value of products, 1919.

Persons engaged in the industry.—The age classification of the average number of wage earners in Table 4 is estimated by the method described in the "Explanation of terms." Figures for states will be found in Table 23.

Wage earners, by months.—The statistics for wage earners, Table 5, are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the year. Females constituted 8.2 per cent of the wage earners in 1919. The range between the minimum and maximum months was somewhat greater in 1919 than in 1914 and 1909, the number reported for the minimum month, February, being 82.9 per cent of the maximum month, December. The greatest variation was in Delaware, minimum 42.9 per cent of maximum, and the least variation in Wisconsin, minimum 96.1 per cent of maximum.

Prevailing hours of labor.—The statistics presented in Table 6 show a marked movement toward shortening the working day. In 1909, 49.8 per cent of the wage earners were employed in establishments where the prevailing hours of labor per week were 60 and over, in 1914 this proportion was reduced to 34.4 per cent, and in 1919 to 7.3 per cent. On the other hand, in 1909 only 3.5 per cent of the wage earners were employed in establishments where the prevailing hours of labor were fewer than 54 per week, whereas in 1914 this proportion increased to 7.4 per cent, and in 1919 to 75.3 per cent. In 1919, 46.1 per cent of all wage earners were in establishments where the prevailing hours of labor per week were 48 and under, a marked change over the small percentage for this class in prior census years, namely, 1.6 per cent in 1914, and less than 1 per cent in 1909. In Massachusetts and Pennsylvania, which reported practically 40 per cent of the wage earners, the changes are notably marked.

Size of establishments, by average number of wage earners.—In 1919 the average number of wage earners for all establishments was 107 and in 1914, 75. Table 7 shows that the industry includes a number of large units; in 1919, 61 establishments, or 9 per cent of the total number, accounted for 50.6 per cent of all wage earners and in 1914, 39 establishments, or 5.3 per cent of the total number, reported 38.3 per cent of all wage earners.

Size of establishments, by value of products.—The average value of products per establishment was \$357,000 in 1909, \$496,000 in 1914, and \$1,366,000 in 1919. The increase from 1914 to 1919 is essentially due to the increase in prices and this accounts to a large degree for the changes from lower to higher groups, as shown in Table 8. On a wage-earner basis, although there was an increase in average number during this period, the increase was only 29.6 per cent, and on a quantity-production basis, the increase in volume of business, measured by number of hides and skins, was but 22.1 per cent.

Character of ownership.—Table 9 presents statistics concerning the character of ownership, or the legal organization, of the establishments for 1919, 1914, and 1909. Comparative figures are given, by states, for 1919 and 1914. Although the industry includes a relatively large number of plants owned by individuals and by firms or other forms of ownership, not incorporated, the growth has been in the corporations, which represented 89.3 per cent of the value of all products in 1919 as compared with 78.2 per cent in 1914 and 76.3 per cent in 1909.

Number and horsepower of types of prime movers.— Table 10 presents the statistics concerning power. Of the total primary power, 27 per cent was purchased or rented electric power in 1919 compared with 13.1 per cent in 1914 and 5.3 per cent in 1909. Not only has the use of electric rented power increased but a large part of the owned power was transformed into electric power, this proportion representing 53.6 per cent of the total owned power reported in 1919. The horsepower statistics represent the rated power capacity of equipment, whether utilized all or part time.

Fuel consumed.—Table 11 presents the statistics for fuel, by kind and by states, for 1919 and 1914. The figures for gas include both natural and manufactured gas.

TABLE 2.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, 1899, 1889, AND 1879.

									PER	CENT O	INCRE	ASE.1	
	1919	1914	1909	1904	1899	1889	1879	1914- 1919	1909- 1914	1904- 190 9	1899- 1904	1889- 1899	1879- 1889
Number of establishments	680	741	919	1,049	1,306	1,787	5,628	-8. 2	-19, 4	-12, 4	-19.7	-26.9	(2)
Persons engaged. Proprietors and firm members. Salaried employees Wage earners (average number)	398 6.418	4,278	784 4,114	3. 251	1,473	(8)	(3) (8) (3) 40,282	30. 5 -29. 7 50. 0 29. 6	-27.8 4.0	-29. 5 26. 5	-24.5 33.1	22. 9	(1)
Primary horsepower	218, 238 \$671, 341, 553	172,712 \$332,180,085	148, 140 \$332, 726, 952		88, 860 \$173, 977, 421		(³) \$ 73, 383, 911	26. 4 102. 1		26. 1 37. 2	32. 2 39. 4	48.0 77.4	33.7
Salaries and wages	108, 384, 445 20, 178, 972 88, 205, 473	7,376,228	6, 743, 636	4, 451, 906	3, 158, 842	(3)	16, 503, 828 (⁸) (⁸)	175. 9 173. 6 176. 4	9.4	51.5	40.9	7.4	
Paid for contract work. Rent and taxes. Cost of materials. Value of products. Value added by manufacture 5.	2, 337, 011 27, 236, 391 646, 521, 527 928, 591, 701 282, 070, 174	2,206,023 284,245,420 367,201,705	1, 579, 445 248, 278, 933 327, 874, 187	11,029,263 191,179,073 252,620,986	4 864, 300 155, 000, 004 204, 038, 127	(8) 122, 946, 721 172, 136, 092	(a) (8) 156, 384, 117 200, 264, 944 43, 880, 827	152.9	39. 7 14. 5 12. 0	29. 9 29. 8	23. 3 23. 8	26. I	(2)

TABLE 3.—PRINCIPAL STATES, RANKED BY VALUE OF PRODUCTS: 1919.

	ı İ			Ī	1		1	1		=
	Number	WAGE	earners.		VALUE OF	PRODUCTS.			DDED BY ACTURE.	
STATE.	of estab- lish- ments.	Average number,	Per cent distribu- tion.	Rank.	Amount (expressed in thousands).	Per cent distribu- tion.	Rank.	Amount (expressed in thousands).	Per cent distribu- tion.	Rank.
United States	680	72, 476	100.0		\$ 928, 592	100.0		\$282,070	100. 0	
Pennsylvania Massachusetts New York Wisconsin New Jersey.	92 131 94 25 73	13,749 15,180 7,056 6,825 5,499	19. 1 20. 9 9. 7 9. 4 7. 6	2 1 3 4 5	211, 389 129, 595 98, 095 94, 762 78, 012	22, 8 14, 0 10, 6 10, 2 8, 4	1 2 3 4 5	64, 984 47, 578 27, 608 25, 256 25, 426	23. 0 16. 8 9. 8 9. 0 9. 0	1 2 3 5 4
Illinois Delaware. Michigan Ohio. West Virginia.	29 18 28 24 17	4,434 4,251 3,464 1,565 1,520	6. 1 5. 9 4. 8 2. 2 2. 1	6 7 8 10 11	60, 324 50, 138 45, 801 25, 008 23, 827	6. 5 5. 4 4. 9 2. 7 2. 6	6 7 8 9 10	17,671 21,797 13,349 6,190 4,748	6. 3 7. 7 4. 7 2. 2 1. 7	9 12
Virginia California North Carolina Kentucky	21 21 11 10	1,666 1,453 1,385 661	2. 3 2. 0 1. 9 0. 9	9 12 13 15	21, 591 21, 416 17, 849 8, 748	2.3 2.3 1.9 0.9	11 12 13 14	5, 375 4, 945 3, 567 2, 957	1. 9 1. 8 1. 3 1. 0	10 11 13 14
New Hampshire. Tennesseo. Maryland Indiana	7 10 7 9	709 608 517 396	1, 0 0, 8 0, 7 0, 5	14 16 17 18	7, 309 6, 710 6, 263 4, 730	0. 8 0. 7 0. 7 0. 5	15 16 17 18	1,343 1,682 1,907 1,274	0. 5 0. 6 0. 7 0. 5	17 16 15 18
Missouri	7 9 3 34	265 306 301 666	0. 4 0. 4 0. 4 0. 9	21 19 20	3,770 3,359 3,242 6,654	0. 4 0. 4 0. 3 0. 7	19 20 21	824 684 813 2,092	0.3 0.2 0.3 0.7	20 21 10

TABLE 4.—PERSONS ENGAGED IN THE INDUSTRY: 1919, 1914, AND 1909.

	Cen-			Fe-	PER (Cen-	Matal	Wala	Fe-	PER C	
CLASS.	sus year.	Total.	Male.	male.	Male. Fe-male.		CLASS.	sus year.	Total.	Male.	male.	Male.	Fe- male.
All classes	1919 1914 1909	79,292 60,780 67,100	71,995 58,289 64,439	7,297 2,491 2,661	Illane.		Clerks and other subordinate sal- aried employees.	1919 1914 1909	3,560 2,843 2,567	2,267 2,298 2,092	1,293 545 475	63, 7 80, 8 81, 5	36.3 19.2 18.5
Proprietors and officials	1919 1914 1909	3,256 2,001 2,331	3,187 1,945 2,293	69 56 38	97. 9 97. 2 98. 4	2. 1 2. 8 1. 6	Wage earners (average number)	1919 1914 1909	72,476 55,936 62,202	66, 541 54, 046 60, 054	5,935 1,890 2,148	91. 8 96. 6 96. 5	8.2 3.4 3.5
Proprietors and firm members	1919 1914 1909	398 566 784	759	25 38 25	93.7 93.3 96.8	6.3 6.7 3.2	16 years of age and over	1919 1914 1909	72,042 55,774 61,753	II——	5,834 1,848 2,079	91. 9 96. 7 96. 6	8.1 3.3 3.4
Salaried officers of corporations	1919 1914 1909	816 581 629	794 567 618	22 14 11	97. 3 97. 6 98. 2	2.7 2.4 1.8	Under 16 years of age	1919 1914 1909	434 162 449	il	101 42 69	76. 7 74. 1 84. 6	23.3 25.9 15.4
Superintendents and managers	1919 1914 1909	2,042 854 918	2,020 850 916	22 4 2	98. 9 99. 5 99. 8	1, 1 0, 5 0, 2							

A minus sign (—) denotes decrease.
 Figures not strictly comparable.
 Figures not available.

⁴ Exclusive of internal revenue. ⁵ Value of products less cost of materials.

TABLE 5.—WAGE EARNERS, BY MONTHS, FOR SELECTED STATES: 1919.

[Month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures.]

	Average		NUMB	ER EMPLO	YED ON I	5TH DAY	of the 1	ionth oi	R NEARES	T REPRES	ENTATIVE	DAY.		Per cent
STATE.	number em- ployed during year.	Jan- uary.	Feb- ruary.	March.	Aprîl.	May.	June.	July.	August.	Sep- tember.	Octo- ber.	Novem- ber.	December.	mini- mum is of maxi- mum,
United States: 1919	72, 476	65, 519	65,616	65, 979	67, 423	69,655	72, 725	72,902	77, 202	77, 586	77, 855	78, 341	79, 010	82, 9
	66, 541	60, 032	60,324	60, 925	62, 231	64,104	66, 821	66,995	70, 678	71, 008	71, 291	71, 703	72, 380	82, 9
	5, 935	5, 487	5,191	<i>6</i> , 054	5, 192	5,551	5, 904	5,907	6, 524	6, 578	6, 564	6, 638	6, 630	76, 1
	55, 936	58, 250	58,455	58, 743	58, 001	57,009	56, 530	55,216	54, 294	53, 715	<i>53, 491</i>	53, 793	53, 735	91, 1
	62, 202	62, 063	62,373	61, 726	60, 095	60,075	60, 559	61,039	61, 166	62, 049	63, 383	65, 174	66, 694	90, 1
California		1,455	1,423	1,408	1,428	1,401	1, 438	1,503	1,506	1, 483	1, 487	1, 438	1,468	93. 0
Delaware		2,681	2,390	2,526	3,093	3,573	4, 297	5,023	5,328	5, 568	5, 494	5, 540	5,501	42, 9
Himols		4,144	4,189	4,235	4,264	4,241	4, 363	4,578	4,680	4, 573	4, 633	4, 694	4,614	88. 3
Kentucky		636	646	644	659	665	679	690	701	676	652	628	656	89, 6
Maryland		405	457	460	440	504	576	538	574	581	555	547	567	69. 7
Massachusetts		13, 878	13,861	13,598	13,658	14,375	15, 195	18,241	16, 355	16, 736	16, 791	17,093	17,379	76, 2
Michigan		8, 502	3,366	3,303	3,547	3,406	3, 392	3,527	3, 622	3, 511	3, 518	3,525	3,549	91, 2
New Hampshire		601	590	582	619	631	622	744	819	796	731	805	968	60, 1
New Jersey		4, 856	5,001	5,059	5,365	5,563	5, 714	5,607	5, 761	5, 920	5, 802	5,583	5,757	82, 0
New York North Carolina Ohio Pennsylvania		6,307 1,451 1,363 18,287	5,980 1,391 1,419 12,538	6, 252 1, 360 1, 402 12, 648	6,358 1,360 1,424 12,818	6,545 1,405 1,526 13,316	6,933 1,442 1,562 14,026	7,335 1,420 1,610 14,313	7,538 1,412 1,663 14,431	7,664 1,370 1,530 14,520	7,755 1,347 1,791 14,577	7,980 1,328 1,764 14,727	1	74. 5 91. 1 76. 1 83. 1
Tennessee.	608	568	597	610	646	606	625	643	655	620	589	564	578	88.0
Virginia	1,666	1,494	1,498	1,557	1,549	1,647	1,756	1,791	1,819	1,716	1,708	1,729	1,728	82,1
West Virginia.	1,520	1,489	1,511	1,577	1,542	1,512	1,568	1 ,57 9	1,513	1,528	1,519	1,476	1,426	90.3
Wisconsia	6,825	6,780	6,851	6,946	6,862	6,922	6,676	6,810	6,803	6,784	6,812	6,836	6,818	96,1

Table 6.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED STATES: 1919 AND 1914.

	_			·			,			
STATE.	Census year.	Total.	44 and under.	Between 44 and 48.	48.1	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
United States.	1919 1914 1909	72, 476 55, 936 62, 202	2,505 (3) (1)	2,503 (2) (2)	28,393 909 572	21, 153 3, 241 1, 578	7,617 10,355 4,380	5,028 22,205 24,682	4,342 19,209 30,981	935 17 9
Salifornia	1919 1914	1,453 1,361	(2)	(2)	1,436 2		11 1,314	6 45		
Delaware	1919 1914	4, 251 2, 382	1,468	1,779	800	143 1,093	36	61 324	929	
llinois	1919 1914	4,434 2,678			1	3,287 102	246 78	82 2,138	187 360	631
Kentucky	1919 1914	661 600	(2)	(2)	<u>12</u>	228 66	310 254	25 40	98 228	•••••
Maryland a	1919	517	1			278	71	66	101	••••
Massachusetts	1919 1914	15, 180 10, 164	288 (³)	(3)	11, 240 244	2,829 283	298 4,071	462 5,043	523	
Michigan	1919 1914	3, 464 2, 773			674	1,021 11	1,641 972	563	128 1,227	
New Hampshires	1919	709			373	331	5			
New Jersey	1919 1914	5, 499 5, 108	104 (²)	(2)	2,220 110	2, 183 341	253 283	3,592	280 782	· · · · · · · · · · · · · · · · · · ·
New York	1919 1914	7, 056 5, 360	131 (2)	(*) 636	2,403 194	1,837 282	1,553 1,398	421 2,464	75 1,022	
North Carolina	1919 1914	1,385 877			95	242		149 139	595 738	30
Ohio	1919 1914	1,565 1,605				680	322 503	197 290	366 812	
Pennsylvania	1919 1914	13,749 11,988	512 (²)	(2)	7,146 174	3, 142 649	1,434 856	1,253 5,259	262 5,050	
Tennessee ³	1919	608				1		92	515	.,
Virginia	1919 1914	1,666 1,205	(2)	(2) 25	321 20		339	187 94	794 1,089	
West Virginia	1919 1914	1,520 1,072			752	3 80	574 139		191 853	
Wisconsin	1919 1914	6, 825 5, 869	(2)	(2)	591 20	4,564	97 67	985 1,319	588 4,448	

¹ Includes 48 and under for 1914 and 1909.

 $[{]f 2}$ Corresponding figures not available.

Not shown separately in 1914.

TABLE 7.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED STATES: 1919.

	тол	TAL.	-					•	ESTA	BLISHM	ENTS EM	PLOYING							
STATE.	nts.	earners (average number).	No wage earn- ers.	i to wa earn inclu	ge ers,	eari	ige	ear	o 50 age aers, asive.	ear	o 100 age ners, nsivo.	wa	o 250 1ge 1ers, 1sive.	ear	to 500 vago rners, lusive.	ea:	o 1,000 rage rners, lusive.	ear	r 1,000 age ners.
	Establishments	Wage earner numb	Establish- ments.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.
United States: 1919	680 741	72,476 55,936	23 18	75 113	190 289	124 152	1,586 1,982	131 141	4,368 4,677	140 175	9,978 12,229	126 103	19,687 15,346	37 24	13,003 8,655	19 12	12,662 7,708	5 3	11,002 5,050
California	21 18 29 10 7	1,453 4,251 4,434 661 517	i	2 1 2	5 4 2	5 3 1 1	65 25 37 16 7	6 4 5 4	224 139 134 139	6 6 2 3	401 476 421 146 230	3 1 6 2	454 108 945 356	1 3 1	309 377 1,117 278	3	1,347 1,775	1	1,779
Massachusetts Michigan New Hampshire New Jersey	131 28 7 73	15, 180 3, 464 709 5, 499	1 1 1	10 2 8	25 6 26	32 2 15	431 18 164	37 3 22	1,203 95 753	20 8 2 12	1,533 611 142 854	22 12 2 10	3, 354 2, 010 253 1, 534	1	938 730 308 972	 2	2,560 1,196	2	5,136
New York North Carolina Ohio Pennsylvania	94 11 24 92	7,056 1,385 1,565 13,749	2 1 1 4	20 1 3 3	51 2 10 8	18 7 14	227 102 189	17 5 11	541 149 425	18 4 4 19	1,112 343 289 1,323	1	2, 336 736 291 3, 860	3 1 2 12	1, 041 304 724 4, 247	5	3,697	1	1,748
Tennessee	10 21 17 25	608 1,666 1,520 6,825	1 3 2	1 3 2 2	1 3 5 2	2 1 1 2	21 11 12 28	2 2 2 3	58 95 91	4 4 4 7	308 282 230 496	2 8 5 4	278 1,312 761 541	1 3	417 1,241	3	2,087	i	2,339

TABLE 8.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

		MBER (GE NUMBI E EARNE		VAY	UE OF PRODUC	ets.	VALUE ADD	ED BY MANUI	ACTURE.
VALUE OF PRODUCT.	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	680	741	919	72,476	55,936	62, 202	\$928,591,701	\$367,201,705	\$327,874,187	\$282,070,174	\$82,956,285	\$79,595,254
Less than \$5,000 \$5,000 to \$20,000 \$20,000 to \$100,000 \$100,000 to \$500,000 \$500,000 to \$1,000,000 \$1,000,000 and over	33 42 105 175 103 222	69 63 161 257 88 103	121 117 193 } 410 78	11 137 1,408 6,886 6,997 57,037	98 355 2,997 } 22,031 30,455	132 573 3,652 28,682 29,163	73,939 460,397 5,700,209 46,759,832 73,571,900 801,926,424	180, 367 640, 153 8, 238, 478 75, 079, 776 63, 803, 250 219, 259, 672	270, 306 1, 242, 071 9, 875, 058 } 158, 569, 294 157, 911, 458	44,854 296,420 3,076,169 18,559,062 21,311,457 238,782,212	89,269 330,471 3,288,078 32,427,786 46,820,681	135,748 560,276 3,806,722 37,676,527 37,415,981
		1	!'	<u> </u>			PER CENT	distribution.				
Ali classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$500,000 to \$1,000,000. \$1,000,000 and over.	4. 9 6. 2 15. 4 25. 7 15. 1 32. 6	9.3 8.5 21.7 34.7 11.9 13.9	13.2 12.7 21.0 } 44.6 8.5	(1) 0. 2 1. 9 9. 5 9. 7 78. 7	0. 2 0. 6 5. 4 39. 4 54. 4	0.2 0.9 5.9 40.1 46.9	(1) 0. 1 0. 6 5. 0 7. 9 86. 4	(1) 0, 2 2, 2 20, 4 17, 4 59, 7	0.1 0.4 3.0 48.4 48.2	(1) 0. 1 1, 1 0. 6 7, 6 84. 7	0, 1 0, 4 4, 0 39, 1 56, 4	0, 2 0, 7 4, 8 47, 3 47, 0

¹ Less than one-tenth of I per cent.

MANUFACTURES.

TABLE 9.—CHARACTER OF OWNERSHIP, BY STATES: 1919 AND 1914.

		NITTO	BER	OF	AV	ERAGE 1	TUMBER	OF WA	DE EAR	ners.			V.	LUE OF PROD	oucts.			
STATE.	Cen-	MEN	rablis rs ow by	IE-			tablishm vned by-		Per ce	ent of	total.		Of establ	ishments owr	ed by-	Per c	ent of	total.
	year.			All oth- ers,	Total.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Cor- pora- tions.	All oth- ers.	Total.	Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions.	All oth-
United States	1919 1914 1909	114 162 259	453 414 454	113 165 208	72, 476 55, 936 62, 202	2,353 3,821 4,326	81,624 43,349 46,391	5,499 8,766 11,482	3.2 6.8 7.0	89. 2 77. 5 74. 6	7. 6 15. 7 18. 5	\$928, 591,701 367, 201,705 327,874,187	\$22,513,461 16,369,359 16,745,360	\$828, 803, 606 287, 158, 754 250, 296, 374	\$77, 274, 434 63, 673, 592 60, 832, 453	2 4 4.5 5.1	89.3 79.2 76.3	8.3 17.3 18.6
California	1919 1914	2	16 21	5 6	1,453 1,361		1,299 1,192	164 1 169		88. 7 87. 6	11.3	21,416,302 10,020,739		18, 783, 500 8, 610, 506	2,632,802 11,410,233		87. 7 85. 9	12.3 14.1
Delaware	1919 1914	3	16 13	2 4	4, 251 2, 382	201	4,251 1,570	611	8.4	100. 0 65. 9	25, 7	50, 138, 251 9, 183, 205	502,798	* 50, 139, 251 5, 835, 910	2,844,497	5.5	100.0 63.5	81,0
Illinois	1919 1914	14	19 15	9	4,434 2,678	283	3,941 2,064	1 493 331	10.8	88. 9 77. 1	11.1 12.3	60, 323, 659 17, 509, 256	2,285,422	53,013,152 13,142,836	17,310,507 2,080,998	13.0	87.9 75.1	12,1 11,9
Kentucky	1019 1914	1 2	9		661 600		1 661 1 600			100. 0 100. 0		8,747,872 4,198,575		1 8,747,872 1 4,198,575			100.0 100.0	
Maryland 4	1919	1	4	2	517		a 517			100.0		6, 263, 468		6, 263, 468			100.0	
Massachusetts	1919 1914	30 39	75 61	26 26	15, 180 10, 164	1,028 1,228	13,098 7,742	1,054 1,194	6.8 12.1	86.3 76.2	6.9 11.7	129, 594, 962 45, 265, 434	8,500,691 2,428,279	114,746,529 38,741,662	6,347,752 4,095,493	6.6 5.4	88, 5 85, 6	4.9 9.0
Michigan	1919 1914	1	27 21	2	3, 464 2, 773		1 3,464 1 2,773			100.0 100.0		45,800,786 25,503,573		1 45, 800, 786 2 25, 503, 573			100.0 100.0	
New Hampshire 4	1919		. 7		709		709			100.0	 	7,309,472		7,309,472			100.0	
New Jersey	1919 1914	16 23	51 48	6 13	5,499 5,108	316 470	4,829 3,784	354 854	5.8 9.2	87. 8 74. 1	6. 4 16. 7	78,012,101 31,651,831	3,914,744 2,489,572	68,789,265 23,120,483	5,308,092 6,041,776	5.0 7.9	88. 2 73. 0	6, 8 19, 1
New York	1919 1914	26 30	47 32	21 36	7,056 5,360	476 816	5,647 2,604	933 1,940	6. 8 15. 2	80. 0 48. 6	13. 2 36. 2	98,094,503 36,018,342	4,329,537 8,234,642	82,798,776 17,003,237	10,966,190 15,780,463	4, 4 9, 0	84.4 47.2	11.2 43.8
North Carolina	. 1919 1914	2 5	7 6	8	1,385 877		1,032 813	1 303 1 264		78, 1 69, 9	21.9 30.1	17,848,526 7,182,400		12,281,314 4,241,239	1 5, 567, 212 1 2, 941, 161	ļ	68.8 59.1	31.2 40.9
Ohio	. 1919 1914		17 19	5 5	1,585 1,605	25	1,488 1,504	1 77 76	1.6	95.1 93.7	4.9 4.7	25,008,070 11,627,916	189,889	24,052,918 10,840,933	1 955, 152 597, 094	1,6	96.2 93.2	3.8 5,1
Pennsylvania	. 1919 1914			19 29	13,749 11,988	366 191	11,559 9,706	1,824 2,091	2.7 1.6	84.0 81.0	13.3 17.4	211,389,349 85,252,532	3,771,932 802,688	173,044,274 65,781,277	34, 573, 143 18, 668, 567	1.8 0.9	81.8 77.2	16. 4 21. 9
Tennessee 4	. 1919	2	6	2	608		586	1 22		98.4	3.6	6,709,970		6,546,070	1 163,900		97.6	2,4
Virginia	- 1919 1914		15 13	4	1,068 1,205	3 4	1,663 1,060	141	0.2 0.3	99. 8 88, 0	11.7	21,590,902 9,834,439	9,390 5,378	21,581,512 8,472,385	1,356,676	(5) 0,1	100. 0 86. 1	13,8
West Virginia	. 1919 1914		13 12	2 3			1,515 985	1 5 1 87		99. 7 91. 9	0.3 8.1	23, 827, 131 11, 014, 540		23,784,788 10,093,088	1 92, 348 1 921, 452		99. 6 91. 6	
Wisconsin	1918 1914		21 16	3 9	6,825 5,869		6,796 5,087	1 29 1 782		99. 6 86. 7	0. 4 13. 3	94, 762, 230 42, 204, 202		94,560,612 37,214,155	1 201,618 1 4,990,047		99. 8 88. 2	0, 2 11, 8

Table 10.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

	NUMBER O	F ENGINES O	R MOTORS.			Horsepowe	R.		
POWER.	1919	1014	7000		Amount.		Per ce	ent distribu	tion.
	1910	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total	5,663	2,908	2,065	218, 238	172,712	148, 140	100.0	100.0	100.0
Owned Steam Engines Turbines Internal-combustion engines Water wheels, turbines, and motors	1,239 1,116	1,332 1,210 (2) (2) (2) 91 31	104	159, 267 159, 800 124, 891 25, 909 6, 438	150, 164 140, 299 (2) (2) (2) 7, 997	140, 238 131, 451 (2) (2) (2) 7, 231	73. 0 69. 1 57. 2 11. 9 3. 0	86.9 81.2	94.7 88.7
Rented. Electric Other	4,329 4,329	1,570 1,578	46 475 475	2,029 58,971 58,494 477	1,868 22,548 21,570 978	1,556 7,902 6,487 1,415	27. 0 26. 8 0. 2	1.1 13.1 12.5 0.6	5.: 4. 0.
Electric		4,838 1.570 3,202	2,340 475 1,865	143, 935 58, 494 85, 441	73, 424 21, 570 51, 854	35,919 6,487 29,432	100. 0 40. 6 50. 4	100. 0 29. 4 70. 8	100.0 18.1 81.1

¹ Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.

¹ Includes the group "Individuals."
2 Includes the group "All others."
3 Includes the groups "Individuals" and "All others."

Not shown separately in 1914.
Less than one-tenth of 1 per cent.

² Not reported separately in 1914 and 1909.

TABLE 11.—FUEL CONSUMED, BY STATES: 1919 AND 1914.

		co	AL.			Gaso- line	,			çc	AL.			Gaso- line	
STATE.	Cen- sus- year.	Anthra- cite ¹ (tons, 2,240 pounds).	Bitumi- nous (tons, 2,000 pounds).	Coke (tons, 2,000 pounds).	Fuel oils (bar- rels).	and other vola- tile oils (bar- rels).	Gas (1,000 cubic feet).	STATE.	Cen- sus- year.	Anthra- cite 1 (tons, 2,240 pounds).	Bitumi- nous (tons, 2,000 pounds).	Coke (tons, 2,000 pounds).	Fuel olls (bar- rels).	and other vola- tile oils (bar- rels).	Gas (1,000 cubic feet).
United States	1919 1914	89,722	1,448,166 1,124,444	3,740 2,489	78, 415 67, 252	10, 817	211,404 527,657	New Hampshire	1919	1,289	5, 258				
California	1919		864	2, 400	69, 273		521,051	New Jersey	1919 1914	15,033 25,966	76, 704 63, 329	2,302 71	49 1,394	(1)	130 558
Connecticut	1914		1,209 2,112		65,088	(2)		New York	1919 1914	5, 733 14, 331	149, 319 96, 782	5 369	38 8	1,883 (²)	18, 155 18, 032
Delaware	1919 1914	291	26, 939 25, 373		5,131 10	(2)	337 933	North Carolina	1919		41, 413 17, 504	510	i	(2)	
Georgia	1919		3,832			7		Ohio	J		42,087	1,228 271	10	216	11,176
Illinois	1919 1914	351	0.7 - 10 1		10 10	(2)	70	Pennsylvania	1919	31,366	45,001 366,324	 	284		9,091 134,614
Indiana	1919		12,477					Tennessee	1914	23, 153	333,819 14,382	111	284	(2) 443	405,411
Kentucky	1919 1914							Texas	1919		55		50	*****	
Maine	1919	392	2, 107					Virginia	1919 1914		37,964 25,419		211	(2)	133
Maryland		2	13, 577			ļ		West Virginia	1919	10	64.716			(-)	7,215
Mussachusetts	1919 1914	35,421 24,178	145,060 106,311	152 682	25 154	8,188	723 355		1914		40,016		ì	(*)	5,174
Michigan	1919 1914	63	128, 837 84, 275		31 41	(2)	23,518	Wisconsin	1919 1914	113 42	164,233 129,946	47 7	7	(1)	958 825
Missouri			7, 499	6	1,644	,,,	.,	All other states	1919 1914	1,118	10,744 64,305	468	2,164 38	(2)	155

¹ Includes some semianthracite.

SPECIAL STATISTICS.

Number of hides and skins treated.—The statistics for number of hides and skins treated during the census years 1919, 1914, and 1909 are given in Table 12.

TABLE 12.—HIDES AND SKINS TREATED: 1919, 1914, AND 1909.

MATERIAL AND		BY ESTABLIS INDUSTRY RIED AND	By estab- lish- ments		
CENSUS YEAR.	Aggregate.	Total.	Purchased.	Treated under con- tract for others.	as- signed to other indus- tries.
Hides and skins: 1919 ¹ 1914. 1909.	169, 166, 788 138, 547, 692 146, 328, 586	169, 052, 169 137, 839, 363 145, 881, 151	123, 326, 726 113, 841, 035 116, 040, 986	45,725,443 23,998,328 29,840,165	114,619 708,329 447,435
Hides: 1919 1914 1909.	31, 808, 641 20, 867, 820 20, 516, 332	31,787,526 20,484,344 20,263,693	24, 478, 825 18, 598, 637 18, 360, 415	7,308,701 1,835,707 1,903,278	21,115 433,476 252,639
Skins: 1919 1914 1909	137, 358, 147 117, 679, 872 125, 812, 254	137, 264, 643 117, 405, 019 125, 617, 458	98,847,901 95,242,398 97,680,571	38, 416, 742 22, 162, 621 27, 936, 887	93,504 274,853 194,796

¹The number of hides and skins treated in 1919 contains duplications to the extent that the hides and skins treated under contract were those treated by "tanners" for other "tanners."

Materials.—Table 13 shows for 1919, 1914, and 1909 the number of establishments represented, the number and cost of hides and skins treated, by kinds, and the cost of other materials used. The figures cover all establishments for which information is avail-

able, including establishments assigned to other industries, but which do some tanning, currying, or finishing. The total cost of all materials used can not be given, as the cost of hides and skins treated under contract for others who were not tanners, curriers, or finishers, was not reported. The total cost of materials used in 1919, so far as reported, was \$647,339,238, or 123 per cent more than in 1914, the figures for 1914 showing an increase of 14.3 per cent with respect to 1909.

The number of cattle hides treated in 1919 increased by 4,414,874 hides, or 24.8 per cent, as compared with 1914, while their value increased \$153,478,390, or 101.2 per cent. The number of horsehides tanned increased by 1,044,063, or 83.5 per cent, while the cost increased \$8,917,640, or 220.9 per cent. The number of calf and kip skins tanned in 1919 was 3,173,519, or 19.8 per cent, less than in 1914, and 6,841,275, or 34.7 per cent, less than in 1909. The cost of the skins, however, more than doubled during the period from 1914 to 1919. Purchased rough leather used and all other materials both show a large increase over previous censuses. "All other skins" include cabretta, kangaroo, wallaby, deer, elk, pig, hog, colt, ass, and mule skins. "All other raw stock" includes buffalo hides, skivers, fleshers, etc.

² Included in figures for fuel oils.

TABLE 13.—MATERIALS: 1919, 1914, AND 1909.

	1919	1914	1909
Number of establishments	689	768	953
Classified as "Leather, tanned, cur-	_		-
Assigned to other industries, but pro- ducing leather for use in further	680	741	919
manufacture in the same establish- ment	9	27	34
Materials, total cost	\$647, 339, 238 \$046, 521, 527	\$289, 807, 774 \$284, 245, 420	\$253, 457, 030 \$248, 278, 933
Establishments assigned to other industries	\$817,711	\$5, 562, 354	\$5,178,097
Hides and skins, aggregate number	1 169, 166, 788 1 31, 808, 641	138, 547, 602 20, 867, 820	146, 328, 586 20, 516, 332
Cattle— Number Cost	22, 191, 432 \$305, 087, 931	17,776,558 \$151,609,541	18,613,054 \$121,266,814
Horse— Number Cost	2, 294, 308 \$12, 954, 273	1, 250, 245 \$4, 036, 633	(2) (2)
Treated for others, number	17,322,901	1,841,017	1,903,278
Skins, total number	1 137, 358, 147	117, 679, 872	125, 812, 254
Number Cost	12,894,274 \$74,334,355	16,067,793 \$33,117,713	19,735,549 831,798,265
Goat and kid Number	55, 428, 830	37,755,807	48, 193, 848
Cost	\$82,500,845	\$23, 916, 965	\$27,928,019
Number	22,859,751 \$29,541,846	40,364,926 \$19,339,258	26, 148, 336 \$12, 268, 487
Number	7,758,550 \$9,370,633	1,328 540 \$1,385,701	3,797,634 \$3,802,49
Treated for others, number All other raw stock, cost	. 138,416,742	22, 162, 746 \$2, 991, 795	\$3,802,49 27,936,88
Purchased rough leather used, cost Tanning materials:	. \$16,626,430	\$8,651,051	\$12,329,84
Vegetable, cost	. \$20,985,008		
Fats, oils, and other greases, cost		\$44,759,117	\$44,063,11
All other materials, cost	\$29,673,785	ľ	

¹ This contains duplications to the extent that the hides or skins treated for others were those treated by "tanners" on contract for other "tanners." ² Not reported separately.

Hides and skins, by states.—Table 14 presents, by states, the statistics for hides and skins. Figures for quantity and cost are given for 1919, with the quantity for 1914 and 1909. Materials in this table do not include the hides and skins treated by tanners, curriers, or finishers for those who were not tanners, curriers, or finishers, nor the hides and skins treated by establishments assigned to other industries.

Table 14.—Materials—Hides and Skins, by States: 1919, 1914, and 1909.

MATERIAL AND STATE.	1919	1914	1909	Cost, 1919.
Cattle hides, total	22, 184, 517	17, 457, 591	18, 360, 415	\$ 304, 994, 752
California Illinofs. Indiana Kentucky Maryland Massuchusetts Michigan Missonri Now Hampshire Now Hampshire Now York North Carolina Ohio. Pennsylvania Tennessee	194, 532 240, 044 186, 714 1, 634, 538 1, 269, 741 160, 732 375, 882 1, 289, 141 2, 679, 977 604, 986 594, 193 5, 056, 843	541, 049 892, 256 246, 008 230, 694 207, 128 764, 636 1, 708, 952 176, 382 111, 831 609, 054 2, 050, 403 435, 527 400, 521 4, 657, 229	611, 421 663, 928 180, 485 285, 938 184, 648 1, 251, 036 1, 430, 885 100, 318 (1) 771, 193 1, 639, 467 364, 706 514, 226 5, 448, 826	11, 189, 410 22, 769, 561 2, 408, 539 4, 425, 632 3, 440, 849 18, 958, 933 17, 295, 185 2, 193, 868 3, 652, 916 20, 326, 491 120, 588, 884 10, 579, 192 11, 096, 500 73, 196, 302

¹ Included in "All other states."

Table 14.—Materials—Hides and Skins, by States: 1919, 1914, and 1909—Continued.

•		NUMBER.		
MATERIAL AND STATE.	1919	1914	1909	Cost, 1919.
Cattle hides—Continued. West Virginia. Wisconsin. All other states.	969, 7 62 2, 664, 982 598, 983	816, 240 2, 185, 178 449, 797	1,038,368 2,471,848 580,186	\$15, 146, 103 34, 671, 873 7, 831, 716
Calfand kip skins, total	12, 894, 274	16, 067, 793	19,732,638	74, 334, 355
Illinols. Massachusetts. New York Wisconsin All other states.	1, 136, 318 4, 112, 790 2, 032, 919 3, 718, 508 1, 893, 739	1,885,276 5,630,003 2,060,623 4,650,863 1,841,028	3,008,616 5,439,226 2,107,584 6,986,673 2,190,539	5, 959, 289 22, 021, 470 11, 573, 365 24, 016, 327 10, 763, 904
Goat and kid skins, total	55, 428, 830	37, 755, 867	48, 077, 664	82, 500, 845
Delaware Massachusetts New Jersey Pennsylvania All other states	5, 739, 256 6, 152, 040	6, 778, 452 5, 137, 413 4, 910, 279 20, 019, 153 910, 570	11, 121, 120 6, 299, 952 6, 373, 704 23, 117, 712 1, 165, 176	22, 087, 787 10, 260, 356 8, 650, 880 38, 298, 645 3, 203, 177
Sheep and lamb skins, total	22, 766, 247	40,090,198	26, 082, 060	29, 415, 744
California Illinois. Massachusetts. New Jersey New York. Pennsylvania. All other states.	1,005,368 9,006,655 1,110,901 5,951,181	1,577,740 1,069,914 16,912,063 5,353,064 8,309,020 3,756,551 3,111,846	1, 328, 712 1, 562, 628 8, 730, 684 2, 645, 040 6, 491, 352 2, 445, 024 2, 878, 620	1,472,823 1,365,670 0,237,327 1,647,820 8,451,390 5,507,480 1,833,216

Tanning materials, cost, by states.—The expense for tanning materials used, distributed by states, is given in Table 15. The figures are segregated to show the cost of vegetable tanning materials; chemicals, including acids, alkalies, chromates, dyes and dyestuffs, etc.; and fats, oils, and greases.

TABLE 15.—TANNING MATERIALS—COST, BY STATES: 1 1919.

	VEGETABLE TANNING MATERIALS.					
STATE.	Total	Woods, Tanning extracts.		Chem- icals. ²	Fats, oils, and greases.	
•	cost.	barks, etc.	Liquid.	Solid.		
United States.	\$46,564,536	\$12.043,633	\$23,134,710	\$11,386,193	\$20,985,006	\$11,342,269
Pennsylvania Michigan New York Massachusetts West \ Irginia	13,503,928 5,051,696 3,898,366 3,542,646 2,800,600	2,969,238 1,618,141 549,340 751,913	6, 204, 640 2, 395, 736 1, 978, 556 1, 721, 217	4,330,050 1,037,819 1,371,470 1,069,516	3, \$53,505 902,948 2,746,565 4,171,832 217,831	932,097 1,516,445 1,740,008
New Jersey Virginia Wisconsin Ohio Kentucky	2,444, 53	1,222,4°0 527,502 177,428	1,168,727 733,529 1,235,244	53,625 1,091,347 103,111	268,732 2,069,426 505,637	170,767 1,060,924 423,805
California Tennessee Illinois Maryland Missouri	848,726 744,294	132,000 195,246	385,382 370,819 121,188	119,387 241,469 248,778	26, 393	20,543 724,434 75,835
Maine	325,536 260,634 263,933	55,005 201,066 26,095	246,624 55,637 165,161	23, 907 12, 931 72, 677	43,203 15,309 255,100	141,123 49,867 121,433

¹ Not including materials used by establishments assigned to other industries. ² Comprise: Acids, \$1,835,955; alkalies, \$3,460,302; chromates, \$3,082,915; dyes and dyestuffs, \$5,249,361; and other chemicals, \$7,356,473.

Tanning materials, by kinds.—Tables 16 and 17 present detailed statistics for 1919 in regard to quantities and cost of tanning materials by kinds of woods, barks, extracts, etc.

TABLE 16.—TANNING MATERIALS—Woods, BARKS, ETC., BY KINDS: 1919.

	Quantity.	Cost.
Woods: Chestnut Spruce.	Cords. 32, 526 156	\$306,68 1,59
Barks: Homlock Logwood Mangrove Oak Quebracho	Tons. 284,323 955 2,078 227,602 2,342	4, 389, 863 110, 020 125, 750 4, 427, 348 252, 668
Miscellancous: Blended (chestnut-oak). Divi-divi Gambier Myrobalans. Sumac Valonia. Sulphite cellulose. Other, including not specified.	4,985 189 8,354 2,328 303 60	656, 48; 381, 69; 51, 03; 483, 98; 203, 45; 22, 30; 2, 400; 623, 35;

TABLE 17.—TANNING MATERIALS—EXTRACTS, BY KINDS: 1919.

	Total	LīQ	JID.	SOL	SOLID.	
KIND.	cost.	Pounds.	Cost.	Pounds.	Cost.	
Total	\$34,520,903	619, 510, 490	\$23, 134, 710	173,466,585	\$ 11, 386, 193	
Chestnut. Oak Blonded(chestnut-oak). Divi-divi Gambier Hemlock Larch Logwood Mangrove Myrobalanis Quebracho Spruce Siumac. Valonia Sulphite cellulose. All other	1, 092, 870 1, 210, 644 511, 794 646, 847 874, 142; 221, 544 285, 397 266, 437 96, 000 10, 718, 399 756, 049 386, 923 10, 021	29, 641, 087 1, 458, 381 654, 562 14, 076, 694 5, 677, 251 526, 925 3, 060, 316 716, 857 78, 858, 533 46, 962, 837 2, 203, 477	1, 053, 426 1, 140, 165 62, 006 75, 663 781, 635 199, 298 59, 493 171, 688 44, 444 4, 719, 881 683, 204 115, 013	4,798,102 1,998,922 11,314,412 3,467,954 12,958,221 1,952,866 1,908,124 2,256,449 80,109,705 1,098,450 4,466,165 174,504 75,549	39, 444 70, 479 449, 128 571, 184 142, 507 22, 246 225, 904 94, 749 51, 556 5, 998, 51.8 72, 845 271, 910 10, 021 3, 611	

Work done under contract.—Table 18 gives the number of hides and skins, sides and splits, treated under contract in 1919, 1914, and 1909 by establishments in the industry. The table carries the estimated value of the products after being tanned, curried, or finished, as the case may be. The quantity and cost of the raw stock were reported in each case by the owners, and the amount received for the contract work was reported by the tanners and included in the general statistics for products.

Table 18.—Work Done Under Contract—Kind, Quantity, and Value: 1919, 1914, and 1909.

CLASS OF WORK.	Number.	Estimated value.
Hides tanned:		
1919	3,172,719	\$56, 154, 763
1914	1,958,407 2,203,068	19, 165, 887 19, 365, 901
1909	2,203,068	19, 365, 901
Skins tanned:		, .
1919	18, 122, 453	37, 047, 942
1914		12, 069, 273
1909	12, 323, 117	8, 909, 512
Sides curried or finished:	,,	-,,
1919	8, 271, 963	77, 643, 146
1914	3, 804, 792	15, 619, 184
1909	2,971,000	15, 619, 184 11, 777, 440
Splits curried or finished:	, 5, 500	
1919	3,343,872	5, 544, 177
1914	2,005,471	2, 174, 692
1909	1,907,659	1, 880, 537
Olema arrested on Antahada	1 2,001,000	
1919	20, 294, 289	47, 633, 938
		14, 933, 416
1914	22, 939, 052	18, 197, 438
1909	22,000,002	10, 201, 200

Products.—Table 19 presents for 1919, 1914, and 1909 comparative statistics for products in detail, inclusive of production reported by establishments assigned to other industries but producing leather for use in further manufacture in the same establishment. The increase in total value of products in 1919, with respect to 1914, was 148.3 per cent and in the value of the leather, which amounted to \$849,356,028 in 1919, 143.4 per cent, the abnormal increase being due to the higher price of hides and skins, materials, and labor expense.

TABLE 19.—PRODUCTS: 1919, 1914, AND 1909.

	1919	1914	1909
Products, total value	\$929,785,619	1 \$ 374, 512, 936	\$334, 105, 561
The classified industry, value of all products Establishments assigned to	\$928, 591, 701	\$ 367, 201, 7 05	\$327, 874, 187
other industries, value of leather products	\$ 1, 193, 918	\$7,311,231	\$6,231,374
Leather, value	\$849, 356, 028	1\$348,956,872	\$ 312,571,826
Sides Valuo Hemlock—	19, 715, 821 \$218, 829, 831	18,097,665 \$116,347,196	17,857,708 \$88,481,147
SidesValue	1,731,545 \$16,179,564	5,626,696 \$31,007,435	7,970,200 \$32,283,692
SidesValueUnion—	10,086,228 \$117,522,076	5,275,936 \$38,432,618	3,850,595 \$26,178,886
SidesValueChromo—	7, 314, 834 \$79, 917, 866	6,588,799 \$42,457,755	5,756,227 \$28,375,815
SidesValue	583, 214 \$5, 210, 325	606, 234 \$4, 449, 388	280,686 \$1,642,754
Belting— Butts Value	1,503,467 \$33,348,522	973, 591 \$12, 876, 554	\$17,838 \$10,647,078
Harness— Sides Value	1,720,764 \$24,217,646	2,943,720 \$21,745,808	3, 968, 703 \$24, 930, 284
Case, bag, and strap— Sides Value. Upholstery leather (automobile, furniture, and carriage)— Whole hide grains—	1,225,577 \$11,880,766	1,004,581 \$5,383,255	(2)
Value Whole hide splits	934,943 \$18,277,694	654,053 \$8,172,698	1, 398, 842 \$14, 266, 742
Number Value. Upper leather (other than patent)— Cattle—	1,511,128 \$13,996,142	1,104,561 \$6,155,660	
Sides Value Horse—	16,693,073 \$120,897,283	8, 257, 645 \$33, 003, 690	8,053,357 \$24,661,614
Sides Value Skins—	1,720,507 \$10,561,999	490, 068 \$1, 615, 084	8
Number Value	79,663,981 \$266,547,194	66, 268, 840 \$83, 009, 160	(2)
Sides. Value Skins. Value	2,716,980 \$23,447,147 828,870 \$3,179,650	2,827,031 \$9,564,110 4,871,588 \$5,512,449	(2) (2) (3) (2)
Glove— Skins Value Sides. Value Finished splits (not elsewhere speci-	5,896,398 \$11,537,821 5,369,969 \$8,893,024	4,277,636 \$3,031,683 614,447 \$1,582,578	(2) (x) (x) (x) (x)
Finished splits (not elsewhere speci- fled), value Sold in the rough, value All other, value ³	\$16, 461, 933 \$3, 712, 687 \$63, 566, 689		1
All other products, value Amount received for tanning, currying, or finishing for others, value	\$28,629,954 \$51,799,637	1	1

¹ Excluding estimated value of hides and skins tanned, curried, or finished for others, not tanners, curriers, or finishers, included in figures published at prior censuses.

2 Figures not available.

ensuses.

* Figures not available.

* Includes the value of kinds shown separately, where quantities were not reported.

Under an act of Congress, approved June 5, 1920, a monthly census of leather production is taken, but 1921 is the first calendar year covered by this census,

and the following tabular statement, which has been compiled from the monthly reports for 1921, is given as a matter of interest. The figures in some respects are not strictly comparable with the data furnished by the census of manufactures, 1919. Consideration should be given to the difference in business conditions as they existed in 1919 compared with 1921.

	PRODUCTION IN 19	
	Unit.	Quantity.
iole and belting leather: Sole	Backs, bends,	18,063,096
Bolting	and sides. Butts	1, 195, 116 100, 103, 807
Offial Harness leather Asso, bag, and strap leather Skirting and collar leather Astigo leather Actigo leather Actigo leather	Pounds Sides	100, 103, 807 811, 424
Case, bag, and strap leather	Sides	820, 855
Latigo leather	Sides	410, 474 24, 900
		150, 591
Cattle sides. Pigskin strips Jpholstery leather	Number Pounds	76, 498 1, 573, 760 1, 089, 837
Jpholstery leather	Hides	
Cattle (including foreign tanned)	Sides	12, 595, 98 12, 667, 60 2, 159, 51; 34, 355, 96; 2, 899, 85; 13, 358, 88; 555, 36; 962, 95;
Calf. Kip (exclusive of foreign tanned). Goat and kid (including foreign tanned).	Sides Skins	12,667,60 2,159,51
Goat and kid (including foreign tanned) Cabretta	Skins	34, 355, 966 2, 800, 856
Sheep and lamb (including foreign tanned)	Skins	13, 358, 88
Deer and elk. Kangaroo and wallaby. Horse (including colt, ass, and mule)—	Skins	555,35 962,95
Horse (including colt, ass, and mule)—	Number	56,26
Half fronts	Number	2501.51
Butts.	Number	40, 36 469, 70 187, 44
Hides. Half fronts. Whole fronts. Butts. Shanks. Other upper leather.	Number Pieces	187, 44 16, 53
Cattle (including foreign tanned) Calf and kip (exclusive of foreign tanned) Goat and kid Sheep and lamb	Sides	2,277,60 37,40
Sheep and lamb.	Skins	2,277,60 37,40 488,64 117,19
Horse and colt— Half fronts	i I	
Wholefronts	Number	182,02 6,58
Glove leather: Cattle (including foreign tanned kips)—		
GrainsSplits	Sides	16,50 2,689,51 4,86
Calf and kip (exclusive of foreign tanned) Horse—	Skins	4, 86
Hides	Number	32, 22 226, 55 36, 17 575, 63 101, 71 47, 38 559, 96 3, 812, 62 360, 6-
Whole fronts Butts Shanks Pig and hog. Goat and kid Cabretta Sheep and lamb Deer and alk Other glove leather. Shils, not slewhere specified:	Number	226, 58 36, 17
Shanks	Number	575, 68
Goat and kid	Skins	47,89
Sheep and lamb.	Skins	559,96
Deer and elk	Skins	369, 6
	Pieces	1,3
Cattle and kip— Sides. Whole hides.	Number	7 457 41
Whole hides Horse—	Number	7,457,41 319,78
Butts	Number	36, 36 97, 66
Fronts. Fancy and bookbinders' leather:	Number	
Cowhide Buffings.	Sides	79, 8 73, 6
Buffings Goat and kid. Cabretta	Skins	165, 1
Sheep and lamb	Skins	1,989,8
Pig and hog	Skins	119,0
Seal Alligator	Skins	147, 6
Ali Older	- Pieces	82, 5 7, 9
CDMINOIS	Citation or	2,932,0
Shearlings. Roller leather Hat swaats	Skins	511, 2
Hat sweats. Skivers.	Skins	1,144,5 2,478 n
Rough leather, equivalent	Pieces	370, 3
Fleshers. Rough leather, equivalent. Rough grains (splits), equivalent Rough splits:	Sides	165, 1 4, 0; 3 1, 989, 3 119, 0 147, 6 82, 5 7, 9 2, 132, 0 1, 242, 8 2, 478, 0 370, 3 60, 6 44, 0
Rough spites. Sides. Whole splits. Butt splits. All other leather.	Number	
whole splits	Number	. 174.3
Butt sputs	Butts	

¹ Taken under the act approved June 5, 1920.

Principal products, by states.—Table 20 presents, by states, the quantity statistics for the principal

kinds of leather, with values for 1919. The state figures are confined to states where the number of establishments involved is sufficient to permit of the figures being published. With respect to the kinds of leather for which quantity figures are not given, for example, upholstery leather, patent leather, and glove leather, etc., values are given for all three census years. The products shown in this table do not include the value of the leather made on contract by tanners, curriers, or finishers for those who were not tanners, curriers or finishers, or the leather made in establishments assigned to other industries.

Table 20.—Principal Products, by States: 1919, 1914, and 1909.

	VND TANA	•		
	191	.9	1914	1909
PRODUCT AND STATE.	Value.	Quantity.	Quantity,	Quantity.
Sole leather, total		Sides. 19,715,821	Sides. 18,075,482	Sides. 17, 805, 252
California Michigan New York Pennsylvania Virginia West Virginia Wisconsin All other states.	8,702,490 11,646,441 22,353,884 101,041,783 8,687,212 20,429,088 13,247,813 32,721,114	683, 420 1, 149, 381 2, 605, 045 9, 130, 971 586, 464 1, 791, 796 1, 187, 545 2, 572, 199	402,780 1,871,940 1,358,240 8,475,596 936,781 1,426,584 1,122,044 2,481,517	472, 236 1, 603, 512 1, 138, 461 9, 207, 352 073, 757 1, 033, 037 839, 371 1, 937, 528
Hemlock, total	16, 179, 564	1,731,545	5, 626, 696	7, 963, 728
Michigan	7, 685, 320 6, 714, 229 1, 780, 015	821, 899 718, 761 190, 885	1,520,296 3,524,274 582,126	1,372,968 4,752,308 1,838,452
Oak, total	117, 522, 076	10,086,228	5, 267, 936	3,805,861
California New York Pennsylvania Virginia West Virginia All other states.	8, 102, 849 16, 461, 366 47, 334, 599 8, 687, 212 6, 504, 352 30, 371, 698	625,070 1,919,614 4,093,311 586,464 544,523 2,317,246	391, 502 (1) 899, 753 845, 073 276, 524 2, 855, 084	429, 716 (1) 730, 222 673, 757 153, 495 1, 818, 671
Union, total		7, 314, 834	6, 588, 799	5, 756, 227
Michigan Pennsylvania West Virginia Wisconsin All other states.	1, 403, 525 46, 992, 955 13, 864, 736 12, 435, 812 5, 220, 838	134,663 4,327,899 1,247,273 1,100,446 504,553	(1) 3,945,085 1,150,060 694,474 799,180	(1) 3,675,802 1,066,360 (1) 1,014,065
Chrome, total	5, 210, 325	583, 214	592, 051	279, 436
Upper leather (other than patent): Cattle, total. California. Hilmois. Massachusetts. Michigan. Now Jersey. New York. Wisconsin. All other states.	30, 274, 697 11, 936, 255 5, 753, 845 5, 297, 045 21, 775, 075 31, 165, 645 11, 667, 669	16, 693, 073 400, 230 3, 647, 664 1, 637, 765 854, 772 597, 239 3, 346, 478 4, 457, 524 1, 745, 401	8, 245, 964 290, 866 1, 196, 277 989, 809 (1) 2, 256, 504 2, 292, 882 1, 220, 626	7, 946, 769 24, 268 932, 482 1, 509, 748 (1) 1, 509, 259 2, 741, 257 1, 229, 755
Horse, total	. 4.928_863	1,720,507 756,653 963,854	406, 741 249, 123 157, 618	(2) (2) (2)
Skins, total Delaware. Illinois. Massachusetts. New Jersey. New York. Pennsylvania Wisconsin All other states.	7,317,262 55,931,646 22,537,327 26,192,652 67,530,756 32,362,215	Skins. 79, 663, 981 13, 019, 389 1, 170, 849 17, 999, 231 8, 210, 554 6, 537, 243 26, 009, 463 4, 130, 599 2, 586, 662	Skins. 66, 280, 290 7, 262, 766 2, 195, 944 17, 567, 553 6, 539, 632 6, 256, 521 19, 225, 129 5, 309, 662 1, 923, 083	Skins. (2) (2) (2) (2) (2) (2) (3) (4) (2) (4) (5) (5) (5) (6)
Belting leather, total North Carolina Virginia All other states.	32, 775, 994 8 772, 755	Butts, 1, 483, 070 424, 710 350, 995 698, 365	Butts. 647, 224 203, 812 167, 046 276, 368	Butts, 521, 035 123, 478 178, 358 221, 201
Harness leather, total California Michigan New York Ohio Wisconsin All other states	3,473,741 3,285,618 1,526,979 3,157,361 3,854,044 8,873,304	Sides. 1,717,154 253,268 239,588 100,811 219,455 308,103 595,929	Sides. 2,777, 312 269,728 403,346 252,133 335,127 631,787 886,191	Sides. 3, 946, 235 363, 264 214, 879 237, 198 363, 981 1, 331, 928 1, 414, 988

Included in "All other states" to avoid disclosure.

Figures not available.

^{*} Includes upper leather to the value of \$1,228,685, for which the number of

TABLE 20.—PRINCIPAL PRODUCTS, BY STATES: 1919, 1914, AND 1909—Continued.

		VALUE.	
FRODUCT AND STATE.	1919	1914	1909
Upholstery leather, total. New Jersey Ohlo. All other states.	\$32, 224, 644 18, 873, 843 7, 820, 189 5, 530, 612	\$14, 328, 358 8, 341, 416 3, 404, 590 2, 579, 352	\$14, 266, 742 8, 836, 740 3, 734, 827 1, 695, 175
Patent leather (other than upholstery), total Delaware Massachusetts New Jersey Pennsylvania Wisconsin All other states	26, 827, 083 1, 625, 375 11, 320, 708 4, 641, 869 4, 933, 817 3, 266, 236 1, 039, 078	15,590,812 (2) 6,302,820 2,897,178 4,188,935 1,175,508 1,026,371	555533
Glove leather, total Illinois. Michigan. New York Pennsylvania. Wisconsin All other states.	21, 022, 964 6, 275, 666 805, 623 9, 290, 870 488, 359 2, 947, 660 1, 154, 786	4,284,655 37.1,404 (2) 1,667,474 (2) 776,707 1,467,070	4,913,543 586,823 2,074,701 (2) 1,358,618 893,401
Bookbinders' leather, total	3, 463, 841 1, 717, 465 1, 746, 376	1,362,673 740,661 622,012	2,450,155 1,502,657 947,498
Rough leather sold, total	3, 712, 687 603, 266 758, 899 617, 351 184, 871 1, 488, 300	4,494,985 1,423,908 143,458 750,656 75,808 2,101,155	6, 335, 599 1, 234, 065 (*) 1, 182, 142 226, 950 3, 692, 442
All other leather, including offal, total. California. Connecticut. Delaware. Illinois. Indiana. Maine. Maryland. Massachusetts. Michigan. Missouri. New Hampshire. New Jersay. New York North Carolina. Ohio. Pennsylvania. Virginia. Wisconsin. All other states.	11,974,770 3,361,164 448,148 1,167,460 10,266,504 9,678,892 2,180,198 2,437,469 19,955,794	38, 843, 690 1, 406, 471 392, 272 394, 875 2, 911, 080 1, 138, 061 426, 901 (28, 090, 754 292, 852 295, 220 6, 262, 331 4, 285, 800 6, 947, 241 290, 517 2, 674, 812 2, 595, 145	124, 866, 677 1, 427, 497 388, 169 10, 966, 291, 8, 705, 791 523, 258 339, 123 (2) 24, 317, 598 3, 562, 715 178, 348 (2) 12, 236, 087 9, 349, 484 (2) 1, 677, 432 27, 971, 698 687, 592 19, 938, 885 2, 586, 701

¹ Figures not available.
2 Included in "All other states" to avoid disclosure.

Detailed statistics of materials and products, 1919.— Table 21 is a detailed statement of the special statistics for the leather industry, materials and products, for the census of 1919. It includes the information as reported by the establishments that constitute the classified industry and also by the establishments in other industries that manufactured leather for their own use in further manufacture.

TABLE 21.—DETAILED STATEMENT OF MATERIALS AND PRODUCTS: 1919.

	Unit of measure.	Quantity.	Cost.
MATERIALS.			
Total cost			\$646,521,527
Tanning (raw stock used during year)			521, 789, 592
Catrle hides (all kinds)— Dry (12 pounds and over)	Number	4,041,999	36, 539, 083
Dry (12 pounds and over) Green or green salted (25	Number	18, 142, 518	268, 455, 669
pounds and over) Horsehides—			
OryGreen or nickled	Number	370,378 376,582	1, 248, 953 3, 947, 094
Green or pickled	Number	376,552 890,295 657,083	3, 947, 094 2, 903, 793 4, 849, 433
Fronts, equivalent hides Calf and kip skins—	Number	057,083	4, 548, 455
Dry (under 12 pounds)	Number	2,914,997	13,666,577
patinas)	Number	9,979,277	60,667,778
Goat and kid skins— Dry	Number	51, 102, 706	75, 474, 563
Green or pickled	Number	3,027,923	4,886,705
ranned, but unlinished (imported)	Number	1, 298, 201	2, 139, 577
Sheep and lamb skins—	Number	4 200 257	
Organ or pickled	Number	4, 200, 257 18, 535, 990	6,315,200 23,100,544 6,263,905
Cabretta skins. Kangaroo and wallaby skins. Deer and elk skins.	Number	5, 404, 613 900, 445 853, 809 544, 409 2, 709, 864 1, 807, 948	
Deer and elk skins	Number	853,809	1,131,147 689,939 3,086,100 873,257 4,522,015
Pig and hog skins	Number Number	544, 409	689, 939
Skivers, pieces	Number	2,709,864	3,080,100
Pig and hog skins. Skivers, pieces. Fleshers, pieces. Other raw stock.	Trainbor	1,001,040	4,522,015
Currying (purchased rough leather used during the year).			l.
Rough leather	Sides	487,676	10,166,339 4,030,093
Rough grains (split leather)	Sides	582, 191	4,030,003 2,321,140 1,838,757
Rough leather Rough grains (split leather) Rough splits, whole sides	Sides	487,676 582,191 1,015,983 112,058	1,858,757
Butt splitsAll other rough leather	Butts	112,005	454,504 7,491,935
Vegetable materials used for tanning or finishing, total. Chemicals, total. Acids. Alkalies. Chromates Dyes and dyestuffs. Other chemicals.			46,564,536
Chemicals, total			20.985.006
Acids			1,835,955 8,460,302
Chromates			3, 460, 302 3, 082, 915 5, 249, 361 7, 356, 473
Dyes and dyestuffs			5, 249, 361
Fats, oils, and greases			11, 342, 269
			,
All other materials, including fuel and rent of power			29, 673, 785
•			
PRODUCTS.	ł		Value.
Total value]- 		928, 591, 701
Rough leather, for sale in the rough	Equivalent sides.	206, 379	1,592,145
Rough grains (split leather), for sale in	Equivalent	95, 528	499,098
Rough splits, for sale in the rough:	sides.	1	· ·
the rough. Rough solits, for sale in the rough; Whole side splits. Butt splits	Sides	1,050,908 172,385	1,370,595 250,849
Butt splits	Butis	1	1
Hemlock	Equivalent sides.	1,731,545	16, 179, 564
Union	Equivalent sides.	7, 314, 834	79, 917, 866
Oak	Equivalent sides.	10,086,228	117,522,076
Chrome	. Equivalent	583,214	5, 210, 325
Offal	sides. Pounds	24,996,770	8,979,905

Table 21.—Detailed Statement of Materials and Products: 1919—Continued.

Unit of Quantity. Value. measure. PRODUCTS-continued. Belting leather:
Oak.
Chrome.
Offal.
Saddlery leather. Butts..... Butts..... 1,431,010 52,060 14,734,854 \$31,615,932 1,161,062 4,498,674 Equivalent sides. Equivalent sides. 102, 594 986,012 Skirting and collar leather..... 581, 410 5,998,656 Harness leather: 423, 389 378, 051 915, 714 20, 631 1,225, 577 491, 077 206, 699 5,448,733 5,160,140 13,562,174 219,757 11,880,766 Sides..... Hemlock.... Union ¹ Sides..... Union 1
Oak.
Latigo leather
Case, bag, and strap leather
Lace leather
Welting leather
Upholstery leather (auto, furniture, and carriage):
Whole-hido grains
Whole-hido splits
Upper leather (other than patent):
Cattle—
Chrome Sides..... Sides.... Sides..... Sides..... 2,532,074 1,929,846 Sides..... Hides..... 18, 262, 372 13, 962, 272 Sides..... 14,675,166 106, 152, 033 8,017,702 6,727,548 10,561,999 92,600,678 143,509,082 16,499,703 10,584,907 1,069,152 948,755 1,720,507 11,697,427 51,508,673 10,039,005 5,107,446 Sides..... Sides.... Sides.... Skins.... Horse. Calf and kip. Goat and kid. Calf and kip.
Goat and kid.
Sheep and lamb
Cabretta
Other upper leather, not elsewhere specified
Patent leather (other than upholstery):
Cattle.
Horse.
Calf and kip.
Goat and kid.
All other. Skins..... Skins..... Skins..... 4, 580, 900 2,563,603 152,873 44,951 729,963 21, 379, 305 2, 062, 802 568, 919 2, 286, 858 529, 199 Sides..... Sides..... Skins..... Skins..... All other.....Glove leather: 312, 298 3, 566, 702 5, 014, 024 27, 323 334, 137 297, 003 9, 179, 619 1, 027, 511 Sides..... Sides.... 43,169 4,357,984 968,816 Horse. Calf and kip. Skins..... 5,530 217,122 123,397 4,972,351 Pig and hog.
Goat and kid.
Sheep and lamb. Skins..... Sheep and lamb.

Deer and olk.
Other glove leather, not elsewhere specified.

Fancy and bookbinders' leather:
Whole hide.
Calf and kip.
Geat and kid.
Sheep and lamb.
Seal, alligator, pig and hog.
Other fancy leather, not elsewhere specified.

Finished splits, not elsewhere specified:
Cattle— Skins..... Skins..... 324, 273 1, 264, 347 327, 390 276, 935 336, 937 1, 754, 751 125, 968 2, 467, 486 1, 888, 245 985, 949 3, 141, 227 668, 070 Hides..... Skins..... Skins..... Skins.... 287, 157 Cattle— Whole sides 9,923,150 875,208 Sides..... 12,671,088 1,028,410 Butts..... Butts..... Horse-Butts.
Fronts.
Skivers. 485, 274 599, 319 6, 847, 119 5, 968, 230 2, 092, 904 544, 440 2,509,036 251,131 9,374,475 2,160,873 3,012,344 Butts..... Fronts.... Pieces..... Fleshers Roller and chamois leather Skins.... Shearlings..... Skins..... 1 Includes "chrome" to avoid disclosure of individual operations.

TABLE 21.—DETAILED STATEMENT OF MATERIALS AND PRODUCTS: 1919—Continued.

	Unit of measure.	Quantity.	Value,
PRODUCTS—continued.			
	Sides	263,060	\$666,769
Toxtile leather Pig and hog leather, not elsewhere specified. Hat sweats. All other leather.	Skins Skins	333, 763 1, 351, 528	781, 521 2, 712, 512 6, 438, 340
All other leather Miscellanoous by-products: Wool Fair (equivalent washed and dried) Gluo stock Fertilizer materials All other products and by-products.	Pounds	7, 392, 440 86, 452, 155 806, 798, 412 31, 209, 841	3, 318, 57, 2, 753, 18, 7, 228, 10, 295, 38, 15, 024, 65,
Amount charged for tanning, currying, or finishing for others			51, 762, 23
Establishments assigned to other indus- tries but producing leather for use in further manufacture.			
MATERIALS.			Cost.
Total cost			817,71
Tanning (raw stock used during year): Cattle hides (all kinds)—	Number	0.089	91.00
Dry (12 pounds and over) Green or green salted (25 pounds and over)	Number	'	31, 25 61, 9
Sheep and famb skins			54,5
Dry Green or pickled Skivers, pieces Other raw stock. Currying (purchased rough leather		57, 504 14, 500	71, 60 20, 80 65, 81
used during the year): Rough splits, whole sides. All other rough leather. Vegetable materials used for tanning or finishing, total		758	3,24 450,8 51,6
PRODUCTS.			
Total value			Value. 1, 193, 9
Solo leather, offal Belting leather, oak Saddlery leather	Pounds Butts Equivalent	20,397	132,9 571,5 15,8
Skirting and collar leather	sides. Equivalen		12,0
Harness leather, union Latigo leather Lace leather Upholstery leather (auto, furniture,	sides. Sides. Sides. Sides.	2.560	40, 5 20, 4 35, 8
and carriago): Whole-hide grains Whole-hide splits Patent leather (other than upholstery),	Hides	1,022 3,387	15,3 33,8
Glove leather, sheep and lamb	Skring	504 3,504	5,0 2,7
entilsned spitts, not elsewhere specified, cattle, whole side. Hat sweats. Miscellaneous by-products:	Sides Skins	1	2, 2 252, (
Hair. Glue stock	Pounds	39,050 623,274	9,
Amount charged for tanning, currying, and finishing for others			87,

GENERAL TABLES.

Comparative summary, by states.—Table 22 gives comparative statistics for the principal items: Number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and

value of products for the census years 1919, 1914, and 1909.

Detailed statement, by states.—Table 23 is a detailed statement, by states, for the census of 1919.

LEATHER, TANNED, CURRIED, AND FINISHED.

TABLE 22.—COMPARATIVE SUMMARY, BY STATES: 1919, 1914, AND 1909.

STATE.	Cen-	Num- ber of estab-	(4101-	Primary horse	Wages.	Cost of mate- rials,	Value of prod- ucts.	State.	Cen-	estab-	Wage earners (aver- age	Primary horse	Wages.	Cost of mate- rials.	Value of prod- nets.
	year.	lish- ments.	num- ber).	power.	Expres	sed in the	usands.		year.	lish- ments.	num- ber).	power.	Express	ed in t h o	usands.
United States	1919 1914 1909	680 741 919	72,476 55,936 62,202	218, 238 172, 712 148, 140	\$88, 205 31, 914 32, 103	\$646,522 284,245 248,279	\$928,592 367,202 327,874	New Hampshire	1919 1914 1909	7 8 4	709 452 264	4,750 3,174 890	\$754 263 114	\$5,966 2,251 1,169	\$7,309 2,864 1,581
California	1919 1914 1909	21 29 40	1,453 1,361 1,398	5,714 3,676 3,534	1,897 1,007 988	16,472 7,858 7,039	21,416 10,021 9,367	New Jersey	1919 1914 1909	73 84 86	5,499 5,108 5,560	13, 239 12, 306 9, 243	7,297 3,260 3,473	52,587 22,081 20,198	78,012 31,652 28,431
Connecticut	1919 1914 1909	7 7 8	168 185 150	510 340 356	189 100 95	1,060 636 805	1,569 906 1,047	New York	1919 1914 1909	94 98 109	7,056 5,360 5,688	20,134 20,039 14,205	8,420 2,955 2,912	70,487 27,912 20,941	98,095 36,018 27,642
Delaware	1919 1914 1909	18 20 16	4, 251 2, 382 3, 045	7,977 5,163 4,417	5,812 1,187 1,367	28,341 6,474 8,147	50, 138 9, 183 12, 079	North Carolina	1919 1914 1909	11 17 39	1,385 877 832	6,916 2,806 2,672	1,096 355 290	14,281 5,545 4,156	17,849 7,185 5,418
Illinois	1919 1914 1909	29 28 29	4,434 2,678 3,001	14,626 7,920 6,769	5,247 1,538 1,582	42,652 13,917 12,131	60,324 17,509 14,912	Ohio	1919 1914 1909	24 28 36	1,565 1,605 1,884	5,063 4,450 4,244	2,172 1,054 1,083	18,818 8,506 7,720	25,008 11,628 10,128
Indiana	1919 1914 1909	9 10 10	396 434 398	1,206 1,127 1,028	343 226 205	3,455 2,326 1,718	4,730 2,928 2,311	Oregon	1919 1914 1909	5 5 8	39 34 49	203 163 224	49 20 34	236 148 181	31 18 24
Kentucky	1919 1914 1909	10 11 18	661 600 630	2,478 2,276 2,669	670 329 308	5,791 3,242 3,224	8,748 4,199 4,241	Pennsylvania	1919 1914 1909	92 120 163	13,749 11,988 14,008	42,961 39,964 37,440	17, 252 6, 492 6, 801	146, 405 68, 309 59, 113	211, 38 85, 25 77, 92
Maine	1919 1914 1909	9 10 17	306 358 436	1,746 1,995 1,467	299 182 208	2,675 2,061 1,452	3,359 2,419 1,905	Virginia	1919 1914 1909	21 21 39	1,666 1,205 1,500	5,341 3,648 4,223	1,573 525 589	16,216 8,218 6,445	21,59 9,83 8,26
Maryland	1919 1914 1909	7 10 13	517 440 466	1,630 1,458 1,321	479 229 211		6,263 3,485 2,661	West Virginia	1919 1914 1909		1,520 1,072 1,571	4,887	615	19,079 8,695 10,383	23,82 11,01 12,45
Massachusetts	1919 1914 1909	131 126 132	15, 180 10, 164 10, 252	34,159 26,534 19,231	19, 211 5, 918 5, 444	82,017 33,194 28,766	129,595 45,265 40,002	Wisconsin	1919 1914 1909	27	6,825 5,869 7,548	20,142	3,404	69, 506 33, 053 34, 829	42,20
Michigan	1	28 23	3, 464 2, 773	12,243 6,787 6,719	4,168 1,739 1,133	32,452 20,982 12,121	25,504	All other states	1919 1914 1909	31	1,368 764 921	. 3,157	360		5,37
Missouri	1919 1914 1909	7	265 227	948 700 519	296 156 146	2,042	3,770 2,573 2,035								

MANUFACTURES.

TABLE 23.—DETAILED STATEMENT, BY STATES: 1919.

			1	ERSON	is end	BAGED II	THE I	NDUST	RY.				GE EARNE EST REPRI							EXPENS	ES.
				Sala-	Clerk	rs, etc.		Wago	oarne	rs.			16 and	over.	Und	er 16.			Sala	riesand	i wages.
STATE.	Num- ber of estab-		Pro- prie-	ried offi- cers,				Num	ber, 15	th d	ay of—						Cap	ital.			
	lish- ments.	Total.	fors and firm mem- bors.	super- in- tend- ents, and man- agers.	Male	Fe- male.	Aver- age num- ber,	Maxi mor	mum ath.		nimum onth.	Total.	Male.	Fe- male.	Male	Fe- male			Om	cials.	Clerks, etc.
United States.	680	79, 292	898	2,858	2,267	1,293	72,476	De 7	9,010	Fe	65, 515	79, 205	72, 257	6, 507	330	111	\$ 671,3	341,553	\$14,3	382,409	\$5,796,563
California Connecticut Delaware Georgia Illinois	21 7 18 3 29	1,630 198 4,458 321 4,801	5 2	76 19 78 13 150	55 6 69 5 137	55	1,453 168 4,251 301 4,434	De Se Au	1,506 229 5,566 327 4,694	My Fe Fe Do Ja	2,390	1,509 224 5,521 290 4,617	3,914 268	13 1,533 22 536	2 4 42 	32 22	34,	904, 030 106, 864 982, 894 774, 793 069, 464	66	1,557 7,390 1,007 9,912 2,667	201,539 9,248 198,861 9,793 419,945
Indiana Kentucky Maine Maryland Massachusetts	9 10 9 7 131	442 727 337 574 16,877	1 2 5	28 39 21 31 634	18 3 15 530	6	396 661 306 517 15,180	Jy Au De Se De 1	414 701 374 581 17,379	Ap No My Ja Jy	628 7 270 405 18,241	388 654 376 566 17,378	652 363 563 15,759	2 2 13 3 1,440	147	32	2,5	786, 639 011, 821 507, 111 547, 285 548, 853	18	0, 402 7, 195 5, 833 7, 700 9, 770	26,587 42,538 6,379 32,650 1,117,085
Michigan Missouri New Hampshire New Jersey New York	94	3,748 333 830 0,013 7,723	2 31 3 80	158 17 46 277 258	81 41 35 132 210	6 40 73 119	3,464 265 709 5,499 7,056	De De Sc De	3,622 303 968 5,920 8,025	Ja Ja Mh Ja Fe	4,856 5,980	3, 528 303 968 5, 907 8, 033	300 906 5,279 7,687	172 3 61 624 330	1		4,4 4,5 55,6 67,8	886, 376 498, 610 188, 458 771, 911 523, 416	1,68 1,68 1,54	6,698 8,440 0,755 1,744 .0,610	302, 105 38, 897 89, 371 424, 921 578, 658
North Carolina Ohio Oregon Pennsylvania Tennessee	11 24 5 92 10	1,474 1,738 44 14,748	57 6	45 80 3 452 18	25 44 334 12	153 12	1,385 1,565 39 13,749 608	Oc Ja De 1 Au	1,451 1,791 40 14,787 655	Ja	1,363 37 12,287 563	1,340 1,733 38 14,772 578	1,702 38 13,646 564	31 1,040 14	63	23	11 26 9	301, 050 995, 409 242, 998 280, 214 891, 775	2,42	6, 729 2, 072 5, 400 3, 118 4, 221	64,852 139,647 756,998 41,070
Toxas. Virginia. West Virginia. Wisconsin. All other states 1	3 21 17 25 19	1,87 1,61 7,60 49	5 6 7 8 9 14	5 57 39 291 23	1114 33 352 6	17 127	18 1,666 1,520 6,825 441	Jу	1, 819 1, 579 6, 946	Fe Ja De Je	1,494 1,426	1,729 1,433 6,814 468	1,718 1,431 6,212	7 10 2 565 38	37	i	19,9 18,6 69,	92, 226 971, 296 947, 995 779, 705 730, 360	12 1,29	8, 940 19, 902 21, 284 17, 005 12, 058	1,425 275,647 90,170 902,357 22,820
				EXPE	ISES-	continue	ed.										P	ower.			
		laries		Re	nt and	1 taxes.	F	or mat	erials.	_						Prima	ry hor	sepow	 зг.		
STATE.	WE	and iges— tinued.					-				Value	of a	Value ided by		1		Own	ied.			Elec- tric horse-
		Vage rners.	For contract work.	Ren	t of	Taxes, Federal, state, county, and local.	Prin	cipal erials.	Fuel: rent pow	of	produc	ets. m	ture.	Total.	eng (no	tines:	Steam tur- bines.	Inter- nal- com- bus- tion en- gines.	Water pow- er. ²	Rent-ed.8	power gener- ated in estab- lish- ments report- ing.
United State	<u> </u>		\$2,337,01	\$738,	408 \$	26,497,98	3 \$636,6	98,271	\$9,823	,256	\$928,591	,701 \$28	32,070,174	218, 238	124,	891 2	25,909	6, 438	2,029	58, 971	85,441
California Connecticut Delaware Georgia Illinois	b,	896,537 189,386 811,722 235,805 246,980	2, 052 6, 425 411, 113		600 587 248	411, 556 13, 85 4, 491, 84 42, 96 1, 233, 87	5 16,28 1,08 8 28,16 3 2,38 5 42,18	50,563 39,740 05,589 96,483 39,911	221, 20, 235, 32, 512,	404 222	21, 416, 1, 568, 50, 138, 3, 242, 60, 323,	302 4 963 251 21 494 659 17	4,944,607 508,819 1,797,440 813,084 7,671,426	5,714 510 7,977 1,077 14,626	4,	828 300 528 275 494	50 150 2,890	30	30	3, 836 150 3, 299 202 3, 242	492
Indiana Kentucky. Maine. Maryland Massachusetts	19,	-	1, 142, 63	1, 3 816,		102, 36 160, 29 22, 39 112, 11 3, 692, 22	7 3,41 5,68 2 2,5 6 4,28 9 80,0	10,089 36,435 76,482 32,995 33,207	45, 104, 98, 73, 1,934,	281 137 446	4, 729, 8, 747, 3, 358, 6, 263, 129, 594,	538 1 872 2 638 468 1 962 47	1,274,240 2,957,156 684,019 1,907,027 7,577,707	1,206 2,478 1,746 1,630 34,159	1 1 1	425 057 540 024 165	30 5,404	85 200	60	781 1,306 146 606 13,028	814 175
Michigan Missouri New Hampshire New Jersey New York	7.	162,546 206,198 754,295 296,535 419,516	308 449, 744 158, 434	1, 2, 1, 1, 166, 4, 81,	605 300 436	1,916,15 144,88 89,36 1,333,73 3,001,26	6 31,68 8 2,88 1 5,8 0 51,8 3 60,5	85,075 90,087 49,472 35,463 73,640	766, 55, 116, 751, 913,	880 953 058	.45, 800, 3, 769, 7, 309, 78, 012, 98, 094	,786 13 ,580 ,472 1 ,101 25 ,503 23	3,348,988 823,613 1,343,047 5,425,580 7,607,514	12,243 948 4,750 13,239 20,134	6	278 420 835 235 426	520 283 3,465	1,110 752	200 404	2, 335 528 3, 715 6, 721 6, 087	
North Carolina Ohio Oregon Pennsylvania Tennessee	17.	096,246 171,888 49,177 252,410 489,952	41, 19		733 300	130, 01 550, 84 1, 00 4, 328, 93 182, 20	0 [2 4 [144,4	43,567 24,763 31,861 33,316 45,012	237, 193, 4, 1,972, 82,	028 451	17,848 25,008 314 211,389 6,709	,567 ,349 6	3,567,602 5,190,279 78,255 4,983,972 1,682,355	6,916 5,063 203 42,961 2,877	34	, 920 , 612 16 , 681 , 860	75 667 550	3,578	425 435 100	2,488 1,014 187 3,717 917	1,972
Texas	1, 1, 8,	18,464 573,237 741,717 011,138 489,683	73, 814 49, 331 1, 959	9	240 ,000 ,676 ,478	360, 37 288, 43 3, 794, 71 92, 47	$egin{array}{c c} 1 & 16,03 \\ 0 & 18,8 \end{array}$	57,608 30,069 09,116 89,370 28,358	185, 269, 916.	947	90 21,590 23,827 94,762 4,680	, 297 , 902 , 131 , 230 , 070	31,669 5,374,868 4,748,068 5,256,202 1,472,637	127 5,341 5,510 24,808 1,995	4 1 11	,104 ,970 ,762 ,136	135 11,650 40	490	10	119 1,092 50 1,396 809	1,883 1,839 18,149

¹ All other states embrace: Alabama, 1 establishment; Colorado, 1; Louisiana, 1; Minnesota, 6; North Dakota, 2; Rhode Island, 2; South Dakota, 1; Vermont, 2; Washington, 2; and Wyoming, 1.

1 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

1 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

BOOTS AND SHOES.

GENERAL STATISTICS.

General character of the industry.—This industry includes the manufacture of boots, shoes, sandals, slippers, moccasins, leggings, overgaiters, and allied footwear, chiefly of leather, though it is inclusive of canvas and other textile fabrics. It includes establishments doing such special work as crimping, stitching, buttonhole making, and also those doing contract work on materials furnished by the boot and shoe trade. Establishments making rubber boots, shoes, and sandals are not included.

In 1919 there were 1,449 establishments in the industry, and the value of products amounted to \$1,155,041,436, and in addition there were 9 establishments engaged primarily in other lines of manufacture which reported products within the scope of the industry to the value of \$894,201.

Comparison with earlier censuses.—Table 24 shows the principal statistics for the industry for 1919 and for each census year since 1879. A comparison of the figures for 1919 with those for 1914, though showing large increases in financial items, due to industrial conditions since the World War, show small gains in quantity production and in number of wage earners employed. The decrease in number of proprietors and firm members, the only item showing a decrease, was probably due to the incorporation of small establishments.

Specialization in the industry.—Table 25 presents the principal statistics for establishments grouped according to class of work. The regular factories formed 92.3 per cent of the total number, employed 99 per cent of the wage earners, and the value of their products constituted 99.2 per cent of the aggregate value. The number of establishments doing contract work or special kinds of work is greatly decreasing. The establishments doing contract work only were in Massachusetts, New York, New Jersey, and Ohio and those doing special kinds of work were in Massachusetts, New Hampshire, New York, and Pennsylvania. Establishments in the class "overgaiters, moccasins, and leggings," also reported sandals, lumbermen's and miners' boots, and other footwear not entirely of leather.

Principal states, ranked by value of products.—Table 26 presents the statistics relating to number of establishments, wage earners, value of products, and value added by manufacture, by states, ranked according to value of products. The 11 states having highest rank held respectively the same rank in 1914. Though the proportion of the total value of products reported by

Massachusetts was less in 1919 than formerly, the actual increase over 1914 amounted to 120.6 per cent. The increase for New York was 183.1 per cent, and for Missouri 170.9 per cent.

The combined products of three New England states—Maine, Massachusetts, and New Hampshire—represented 48.9 per cent of the total for the United States. These states, and New York and Pennsylvania, the important Middle Atlantic boot-and-shoe states, together represented 71 per cent of the total. Ohio, Illinois, Wisconsin, and Missouri, the leading boot-and-shoe states in the Middle West, reported 22.9 per cent of the total value of products.

Summary for leading cities.—Table 27 gives the statistics for 1919, 1914, and 1909 for the 14 ranking cities, according to value of products in 1919. New York advanced from fifth place in 1909 to fourth in 1914 and to second place in 1919. Brockton, Lynn, Haverhill, and Boston represented in 1919, as in 1914, one-fifth of the total value of products for all establishments in the industry.

Persons engaged in the industry.—The age classification of the average number of wage earners, as presented in Table 28, is an estimate obtained by the method described in the "Explanation of terms." Statistics for states will be found in Table 45.

Wage earners, by months.—Table 29 gives the total number of wage earners by months and the number of females so employed for states having an average of 500 wage earners or more. These figures reflect the steadiness of employment, or the reverse, during the year. The fluctuation in employment during 1919 did not differ materially from 1914. For the six leading states in the industry, each employing more than 10,000 wage earners, the variation ranged from 90.2 per cent, minimum of maximum, in Pennsylvania, to 81.6 per cent in New Hampshire. The greatest difference in number employed in any state during the year was in Indiana, the minimum number being 50.9 per cent of the maximum number. The proportion of females employed in the six leading states ranged from 30.9 per cent of the state total in New York to 42.9 per cent in Missouri. Kentucky showed the largest percentage for females, 55.6 per cent.

Prevailing hours of labor.—Table 30 shows that only three-tenths of 1 per cent of the wage earners in 1909 were employed in establishments where the prevailing hours of labor were 48 per week or less. In 1914 this percentage was 2.6 but in 1919 it was 62.8 per cent. On the other hand, 15.6 per cent of all wage earners

in 1909 were in establishments where the prevailing hours of labor per week were 60 or more. This dropped to 3 per cent in 1914, and in 1919 only four-tenths of 1 per cent were in this group. For Massachusetts and New York, the leading states in the industry, the wage earners in establishments having working hours of 48 or less per week formed 85.8 per cent and 84.3 per cent of the respective totals in 1919, compared with 1.4 per cent and 1.2 per cent, respectively, in 1914. In Missouri, the next state in importance, 55.9 per cent of the wage earners worked these hours in 1919 compared with eight-tenths of 1 per cent in 1914. In Ohio 87.3 per cent of the wage earners were in establishments reporting working hours per week "Between 48 and 54."

Size of establishments, by average number of wage earners.—The industry contains a considerable number of large establishments, and, as a whole, averaged 146 wage earners per establishment in 1919 compared with 141 in 1914 and 138 in 1909. In 1919 there were 87 establishments that employed over 500 wage earners, these establishments constituting 6 per cent of the total number with 39.1 per cent of all wage earners. In 1914 the establishments of this class, those with over 500 wage earners, represented 6.3 per cent of the establishments and 39.7 per cent of the wage earners, and in 1909, 5.8 per cent of the establishments and 36.3 per cent of the wage earners. The statistics therefore, as presented in Table 31, do not show a marked change in size, based upon number of wage earners.

Size of establishments, by value of products.—In Table 32 the grouping by value of products reflects general increases in values. The average value of products per establishment increased from \$330,000 in 1909 to \$370,000 in 1914 and to \$797,000 in 1919, the increase from 1914 to 1919 being essentially due to high prices, for on a quantity-production basis and

on an employee basis the growth was relatively small. This condition accounts for the changes from lower to higher groups when classified according to value of products.

Character of ownership.—Table 33 shows a classification of the establishments according to ownership. In 1919 and 1914 a majority of the establishments were incorporated, 62 per cent and 50.6 per cent, respectively, in 1909 but 45.4 per cent. The average value of products per establishment in 1919 was \$1,134,000 for the "Corporations" group, \$174,000 for "Individuals" and \$359,000 for "All others," most of the latter being firms. In 1914 the figures were \$575,000, \$73,000, and \$280,000, respectively. The average number of wage earners per establishment in 1919 was 205 for corporations, 35 for individuals, and 69 for the "All others" group.

In Massachusetts, 57.6 per cent of the establishments were corporations; and in New York 50 per cent. Maine, another important Eastern state, reported 33 of the 39 establishments, or 84.6 per cent, as incorporated. In Missouri practically all were corporations. Ohio reported 83.3 per cent corporations, Wisconsin, 79 per cent, and Illinois, 72.5 per cent.

Power used.—Table 34 shows that primary power reported by the establishments increased 20.4 per cent in horsepower rating between 1914 and 1919. Owned power decreased 7.5 per cent, but rented power increased 71.8 per cent, mostly electric power. A large proportion of the power is utilized as electric, either current purchased or generated by the establishment. In 1909 electric power in the aggregate was equal to 34 per cent of the total primary power; in 1914, 54 per cent; and in 1919, 69.5 per cent.

Fuel used.—Table 35 shows the consumption of fuel, by kinds and states. Figures for gas include both natural and manufactured gas.

TABLE 24.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, 1899, 1889, AND 1879.

								,	PER CI	NT OF	INCRE	ASE.1	
	1919	1914	1909	1904	1890	1889	1879	1914- 1919		1904- 1909	1899- 1904	1889- 1899	
Number of establishments	1,449	1,355	1,343	1,816	1,599	2,082	1,959	6.9	0.9	2.1	-17.7	-23. 2	6.3
Persons engaged. Proprietors and firm members. Salaried employees. Wage earners (average number).	237,107 883 25,175 211,049	1,090 17,703	1,218 14,513	1,424 8,811	(1) 7,779	(2) (2) (2) 133,690	(2) (2) (2) 111,152	42.2	22.0	-14.5 64.7	13.3		(8)
Primary horsepower Capital	120,632 \$580,625,075		85,896 \$197,090,344	56,220 \$122,526,093	49,444 \$99,819,233	30,686 \$95,282,311	11,574 \$42,994,028		16.7 29.2	52.8 60.9	13.7 22.7	61.1 4.8	
Salaries and wages. Salaries Wages.	\$58,124,966	\$22,928,071	\$109,646,165 \$17,287,013 \$92,359,152	\$8,706,682	\$7,669,949	(2)	\$43,001,438 (2) (2)	109. 0 153. 5 99. 4	32.6	98.5	13.5		
Paid for contract work Rent and taxes. Cost of materials. Value of products Value added by manufacture 5 Number of pairs of boots and shoes, all kinds.	\$1,930,544 \$25,160,589 \$715,269,315 \$1,155,041,436 \$439,772,121 331,224,628	\$191,403,872	\$165,162,983	\$122,743,963	\$90,336,926	\$101,863,527	(1) (2) \$102,442,442 \$166,050,354 \$63,607,912 125,478,511	129.8	11.9 13.4 15.9	40.6 38.3 34.6	23.6 35.9	42.0 17.4 11.3	16.0 32.9 60.1

¹ A minus sign (-) denotes decrease.
2 Figures not available.

Figures not strictly comparable. Exclusive of internal revenue.

^{*}Value of products less cost of materials.

TABLE 25.—PRINCIPAL STATISTICS FOR THE INDUSTRY, BY CLASSES OF ESTABLISHMENTS: 1919, 1914, AND 1909.

	Census year.	Num- ber of estab- lish- ments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
Total	1919	1,449	211,049	\$580,625,075	\$210,734,610	\$715, 269, 315	\$1,155,041,436	\$439, 772, 121
	1914	1,355	191,555	254,590,832	105,695,404	310, 356, 586	501,760,458	191, 403, 872
	1909	1,343	185,116	197,090,344	92,359,152	277, 467, 743	442,630,726	165, 162, 983
Regular factory production	1919	1,337	208,854	575,994,289	208, 787, 565	710,607,817	1,146,137,272	435, 529, 455
	1914	1,248	189,774	253,116,682	104, 856, 829	309,240,548	499,144,745	189, 904, 197
	1909	1,228	182,642	195,034,177	91, 284, 239	275,298,510	438,443,370	163, 144, 860
Contract work	1919	17	266	125,981	266,094	43,985	392,215	348, 230
	1914	18	364	52,711	209,128	64,538	354,945	290, 407
	1909	23	382	239,337	231,211	391,519	778,922	387, 403
Stitching	1919	19	351	121,839	273,082	83, 100	457,807	374,707
	1914	24	571	92,608	262,826	48, 405	382,209	333,804
	1909	30	866	107,682	363,692	59, 988	530,164	470,176
Crimping	1919	3	3	4,563	3,560	188	10,658	10,470
	1914	4	6	9,218	3,732	203	9,732	9,529
	1909	5	10	8,272	6,495	716	17,384	16,668
Making buttonholes.	1919	3	7	2,150	6,998	3,681	14,896	11, 215
	1914	8	50	16,229	24,460	5,616	50,540	44, 924
	1909	4	34	5,547	15,943	4,921	30,456	25, 535
Making overgatters, moccasins, and leggings	1919	70	1,568	4,376,253	1,397,311	4,530,544	8,028,588	3,498,044
	1914	53	790	1,303,384	338,429	997,276	1,818,287	821,011
	1909	53	1,182	1,695,329	457,872	1,712,089	2,830,430	1,118,341
	l.		1]	Į.			1.

TABLE 26.—PRINCIPAL STATES, RANKED BY VALUE OF PRODUCTS: 1919.

		WAGE	EARNERS.		VALUE (F PRODUCTS	•	VALUE ADDED	BY MANUFAC	CTURE.
STATE.	Number of estab- lishments.	Average number.	Per cent distribu- tion.	Rauk.	Amount (expressed in thousands).	Por cent distribu- tion.	Rank.	Amount (expressed in thousands).	Per cent distribu- tion.	Rank.
United States	1,449	211,049	100.0		\$ 1, 155, 041	100, 0		\$439,772	100.0	
Massachusetts New York Missouri New Humpshire. Ohio	493 340 54 52 60	80, 166 34, 710 17, 458 12, 336 14, 092	38.0 16.4 8.3 5.9 6.7	1 2 3 6 4	442,466 190,470 109,193 73,871 71,355	38. 3 16. 5 9. 5 6. 4 6. 2	1 2 3 4 5	173, 115 82, 312 32, 268 22, 815 30, 552	39. 4 18. 7 7. 3 5. 2 6. 9	1 2 3 6 4
Ponnsylvania	89 62 51	13,317 9,919 7,598 7,684 2,835	6.3 4.7 3.6 3.6 1.3	5 7 9 8 10	65, 412 48, 059 44, 374 39, 402 12, 864	5.7 4.2 3.8 3.4 1.1	6 7 8 9 10	24,440 17,840 16,672 14,184 5,053	5.6 4.1 3.8 3.2 1.1	5 7 8 9 10
Minnesota Michigan Maryland Connocticut	16 15 13 8	2,158 1,120 986 995	1, 0 0, 5 0, 5 0, 5	11 13 15 14	12,645 6,046 4,662 3,765	1. 1 0. 5 0. 4 0. 3	11 13 14 15	4,002 1,862 1,555 1,585	1.1 0.4 0.4 0.4	11 13 15 14
Kentucky California Iowa Indiana	1	630 616 653 620	0.3 0.3 0.3 0.3	17 19 16 18	3,574 3,247 3,047 2,854	0. 3 0. 3 0. 3 0. 2	16 17 18 19	1,475 1,278 777 948	0.3 0.3 0.2 0.2	16 17 19 18
Louisiana	4 9 11 28	300 146 88 2,627	(¹) 0.1 1.2	20 21 22	1,136 846 361 15,386	(1) (1) 1.3	20 21 22	403 402 212 5, 122	(1) 0.1 1.2	20 21 22

1 Less than one-tenth of 1 per cent.

TABLE 27.—STATISTICS FOR PRINCIPAL CITIES: 1919, 1914, AND 1909.

			1919			1914		1909	
CITY.	Number of estab- lish- ments.		Cost of materials.	Value of products.	Rank.	Value of products.	Rank.	Value of products.	Rank.
Brockton, Mass. New York, N. Y. Lynn, Mass. 8f. Louis, Mo. Haverhill, Mass.	39 248 105 27 137	12,878 12,880 12,123 9,779 11,529	\$52,594,784 30,789,296 37,899,415 39,553,648 33,245,787	\$81, 543, 541 66, 478, 600 06, 457, 349 59, 857, 853 59, 690, 812	1 2 3 4 5	\$35, 032, 665 23, 859, 062 30, 066, 815 (1) 25, 319, 953	1 5	\$32, 464, 288 16, 695, 108 34, 620, 870 20, 977, 540 11, 990, 187	3
Rochester, N. Y. Manchester, N. H. Cincinnati, Ohio. Milwaukee, Wis. Boston, Mass	48 13 22 26 14	6,934 4,986 6,569 4,917 6,146	20, 565, 641 23, 070, 294 16, 963, 535 18, 433, 989 16, 154, 468	35, 912, 227 33, 313, 317 31, 223, 081 30, 007, 285 27, 526, 886	6 7 8 9 10	13,519,755 (1) 14,525,078 11,665,824 13,253,410		(1) 14,080,755 7,431,884 8,819,284	7 6 12 10
Philadelphis, Pa. Auburn, Me. Chicago, Ill. Columbus, Ohio.		3,823 4,671 3,344 1,872	12,230,101 11,360,283 10,479,803 6,151,564	20, 534, 339 20, 379, 476 17, 595, 506 10, 198, 135	11 12 13 14	8, 761, 494 10, 238, 020 10, 247, 250 5, 224, 348	12 11	6,282,520 8,212,087 (*)	13 11

MANUFACTURES.

TABLE 28.—PERSONS ENGAGED IN THE INDUSTRY: 1919, 1914, AND 1909.

	Cen-	m 4.3	Male.	Fe-	PER C	CENT OTAL.	CLASS.	Cen-	Total.	Male.	Fe-	PER O	
CLASS.	sus year.	Total.	Maio.	male.	Male.	Fe- male.	ULASS.	year.	10081.	Maio.	male.	Male.	Fe- male,
All classes	1919 1914 1909	237,107 210,348 200,847	147,065 136,388 130,398	90,042 73,960 70,449	62.0 64.8 64.9	38. 0 35. 2 35. 1	Clerks and other subordinate sal- aried employees.	1919 1914 1909	17,558 13,620 11,053	8,494 7,780 6,428	9,064 5,840 4,625	48. 4 57. 1 58. 2	51.6 42.9 41.8
Proprietors and officials	1919 1914 1909	8,500 5,173 4,678	7,961 4,928 4,467	539 245 211	93. 7 95. 3 95. 5	6.3 4.7 4.5	Wage earners (average number)	1919 1914 1900	211,049 191,555 185,116	130,610 123,680 119,503	80, 439 67, 875 65, 613	61.9 64.6 64.6	38,1 35,4 35,4
Proprietors and firm members	1919 1914 1909	883 1,090 1,218	836 1,051 1,165	47 39 53	94. 7 96. 4 95. 6	5.3 3,6 4,4	16 years of age and over	1919 1914 1909	204,346 187,976 177,500	126,561 121,738 115,119	77, 785 66, 238 62, 381	61.9 64.8 64.9	38.1 35.2 35.1
Salarled officers of corporations	1919 1914 1909	1,747 1,020 890	1,704 1,000 875	43 20 15	97. 5 98. 0 98. 3	2.5 2.0 1.7	Under 16 years of age	1919 1914 1909	6,703 3,579 7,616	4,049 1,942 4,384	2,654 1,637 3,232	60.4 54.3 57.6	39.6 45.7 42.4
Superintendents and managers	1919 1914 1909	5,870 3,063 2,570	5,421 2,877 2,427	449 186 143	92. 4 93. 9 94. 4	7. 6 6, 1 5. 6							

TABLE 29.—WAGE EARNERS, BY MONTHS, FOR STATES: 1919.

[Month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures.]

	Average		NUMBI	er emplo	yed on 1	5TH DAY	OF THE A	ionth or	NEARES	r represi	ENTATIVE	DAY.		Per cent
STATE.	number em- ployed during year.	January.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.	mini- mum is of maxi- mum.
United States: 1919. Males. Females. 1914.	80 430	202, 905 124, 853 78, 052 200, 739	204, 440 126, 228 78, 212 203, 135	201, 295 124, 255 77, 040 198, 772	199,025 123,468 75,557 189,856	201, 710 125, 348 76, 362 188, 934	206, 562 128, 569 77, 993 191, 110	211, 811 131, 605 80, 200 193, 354	215, 596 133, 174 82, 422 191, 036	217, 031 134, 061 82, 970 186, 740	219, 604 135, 824 83, 780 183, 653	224, 197 138, 549 85, 648 183, 212	228, 412 141, 386 87, 026 188, 119	87.1 87.3 80.8 90.2
California Connecticut Illinois. Indiana Lowa	00%	586 798 7,563 710 628	552 806 7,761 743 648	568 874 7,806 737 653	595 916 5,609 686 674	593 1,004 6,163 540 668	605 1,041 7,431 878 701	608 1,094 7,933 537 683	632 1,105 7,976 561 659	639 1,110 8,200 580 633	677 1,043 8,453 649 621	680 1,056 8,576 662 610	707 1,098 8,737 657 658	75.8 71.4 64.2 50.9 87.0
Kentucky. Louisiana Malne. Maryland Massachusetts.	9, 919	449 287 9,845 853 77,871	473 289 9, 854 885 78, 498	462 295 9, 459 901 78, 698	454 293 8,730 911 77,018	460 297 8,526 913 77,523	654 308 8, 728 948 77, 620	688 308 8,997 959 79,047	724 297 0, 904 1, 030 80, 737	758 307 10, 593 1, 093 81, 388	775 310 11,018 1,121 82,235	821 307 11,509 1,101 84,653	842 302 11,865 1,117 86,704	58.3 92.6 71.9 76.1 88.8
Michigan Minnesota Missouri New Hampshire New Jersey	2 153	1,061 2,026 16,315 12,403 2,676	1,090 2,078 16,290 12,196 2,778	1,088 2,062 16,452 11,636 2,813	1,104 2,069 16,964 11,459 2,825	1,090 2,086 17,259 11,300 2,842	1,087 2,102 17,721 12,173 2,886	1,120 2,057 17,859 12,468 2,849	1, 155 2, 204 17, 945 12, 166 2, 812	1, 121 2, 231 17, 829 12, 517 2, 806	1, 151 2, 248 18, 055 12, 639 2, 765	1, 181 2, 340 18, 340 13, 226 2, 952	1,192 2,333 18,467 13,849 8,017	89.0 86.6 88.2 81.6 88.7
New York Ohio Pennsylvania Wisconsin	. 13.317	32,691 13,654 12,508 7,169	33, 324 13, 846 12, 617 7, 172	80,758 13,568 12,787 7,105	32,065 15,478 13,027 7,193	33, 558 13, 805 13, 193 7, 345	34,657 14,061 13,344 7,527	35,987 14,292 13,598 7,697	36, 627 14, 449 13, 669 7, 843	36, 747 14, 279 13, 613 7, 798	36, 671 14, 236 13, 768 8, 048	36,631 14,478 13,811 8,146	36, 804 14, 963 13, 871 8, 133	83.6 90.0 90.2 87.2 Per ct.
States showing large proportion of females. California Connecticut Illinois Indiana Iowa	3,499 293	203 595 3,479 329 315	207 400 8,505 343 320	210 463 3,512 345 325	221 483 8,675 313 333	217 557 2,775 260 317	224 553 3,329 176 331	234 611 3,605 259 325	250 601 3,686 272 318	251 636 3, 768 278 311	266 582 3,843 317 313	258 575 3,906 316 \$08	267 594 3,905 309 336	av.is of state. 38.0 54.1 45.5 47.3 49.2
Kentucky Maine. Maryland Massachuseits. Michigan.	.1 29.977	268 3,047 327 29,309 455	288 3, 887 336 29, 429 481	277 3,649 338 29,505 472	276 3,460 335 28,616 473	279 8, 303 338 28, 740 470	361 3,465 358 28,508 464	378 3,529 358 29,205 483	394 3, 825 386 30, 247 505	4, 212 406 30, 434	399 4,325 418 30,917 503	437 4, 461 410 32, 044 510	447 4,533 418 32,770 512	55, 6 39, 1 37, 4 37, 4 43, 3
Minnesota Missouri New Hampshire New Jersey	7 491	901 7,002 4,837 1,080	904 6,95 2 4,747 1,119	860 6,994 4,535 1,116	870 7,224 4,489 1,136	893 7,375 4,445 1,148	908 7,591 4,622 1,149	871 7,675 4,716 1,153	941 7,755 4,727 1,162	946 7,687 4,871 1,168	957 7,668 4,925 1,179	975 7,904 5,162 1,213	980 7,945 5,356 1,201	42,6 42,9 38.8 40.5
New York. Ohio Pennsylvania Wisconsin	10,740 5,865 5,330 3,085	10, 173 5, 843 5, 102 2, 962	10, 844 5, 907 5, 116 2, 906	9,682 5,699 5,149 2,890	9, 874 5, 508 5, 193 2, 933	10, 291 5, 708 5, 259 2, 988	10, 676 5, 846 5, 350 3, 060	11,078 6,005 5,436 3,103	11, 473 6, 077 5, 446 3, 143	11, 532 5, 950 5, 380 3, 113	11,375 5,785 5,501 3,270	11, 167 5, 927 5, 519 3, 315	11,215 6,127 5,581 3,337	30.9 41.6 40.1 40.6

TABLE 30.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED STATES: 1919 AND 1914.

			in est	ABLISHMENT	S WHERE TE	IE PREVAILI	O HOURS OF	LABOR PER	WEEK WER	Е—
STATE.	Census year.	Total.	44 and under.	Between 44 and 48.	48.1	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
United States	1919 1914 1909	211,049 191,555 185,116	18, 511 (2) (2)	25, 580 (2) (2)	88, 406 4, 966 543	47, 431 23, 263 6, 094	20, 898 79, 699 44, 109	9,466 77,854 105,554	755 5,773 28,583	233
California	1919 1914	616 617	(2)	(2) 62	512 7	228	36 374		6 8	
Connecticut	1919 1914	995 567	120		668	202	5 188	377	2	
Illinois	1919 1914	7,684 6,071	573 (2)	(³) 148	3,117 18	2,075 195	821 1,175	950 4,503	180	
Indiana ⁸	1919 1919 1919	620 653 630	29		56	564 146 73	265 423	242 105		
Maine	1919 1914	9,919 8,815			628	2,153 73	7,138 461	8,029	252	
Maryland	1919 1914	986 595	67			736 68		183 270	257	
Massachusetts	1919 1914	80, 168 76, 944	4,326 (2)	23, 955 (²)	40, 506 1, 089	8,086 12,224	3,137 42,064	156 21, 292	275	
Mlchigan	1919 1914	1,120 2,035	(2)	(2) 101	14 115	304 20	556 1,402	145 232	266	
Minnesota	1919 1914	2, 153 2, 012	(2) 5	(2)	400 39	1,299	432	449 779	762	
Missouri	1919 1914	17,458 13,169	3,274 (2)	(2) 34	6, 443 110	4, 216 819	3, 195 5, 783	296 6,063	394	
New Hampshire	1919 1914	12,336 12,937	(2) 231	(2) 31	7, 239 346	4, 223 310	441 318	171 11,902	61	
Now Jersey	1919 1914	2,835 3,834	600 (²)	(2) 85	471 245	1, 149 262	4	530 3,310	13	
New York	1919 1914	34,710 26,193	8,924 (2)	(2)	19,659 318	4,795 7,396	486 14,361	109 4,098	1 20	
Ohio	1919 1914	14,092 14,461	(²)	(3)	17 810	12,309 103	257 6,089	1,470 7,201	24 258	
Pennsylvania	1919 1914	13,317 13,184	²⁰⁵	(2) 66	2,675 1,312	3, 515 1, 413	3, 638 5, 929	2,876 4,473	342 57	
Wisconsin	1919 1914	7,598 5,772	(²) 15	(²) 364	4,187 308	1, 282 16	243 528	1, 261 2, 412	246 2,508	

¹ Includes 48 and under for 1914 and 1909.

TABLE 31.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED STATES: 1919.

	то	TAL							EST	ABLISHA	(ENTS E	IPLOYIN	7G—						
STATE.	ments.	earners (average number).	No wage earn- ers.	1 to wa earn inclu	ge ers,	6 to wa earn inclu	ge ers,	wa eart	o 50 igo iers, isive.	WE	o 100 ige iers, istve.	eart	o 250 age aers, asive.	ear	o 500 age aers, asive.	w ear	o 1,000 age ners, usive.	W	1,000 age aers.
	Establishments.	Wage earner numb	Establish- ments.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage carners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.	Establish- ments.	Wage earners.
United States. 1919. 1914. 1909.		211,049 191,555 185,116	24 32 26	195 214 206	519 579 508	228 231 230	2,765 2,887 2,839	244 198 208	8, 485 6, 890 7, 045	233 203 199	17,374 14,919 14,673	285 252 239	46,398 41,220 38,796	153 140 151	53,010 48,947 54,003	66 67 62	45, 787 45, 964 43, 248	21 18 16	36,711 30,149 23,914
California. Connecticut. Illinoia. Inclana Iowa.	. 51	616 995 7,684 620 653	1	2 2 8	6 9 21	4 1 8 1 1	37 18 96 10	2 4 1	73 155 43	4 7 2 1	281 537 115 60	10 10 1 2	219 685 1,666 237 274	1 10 1 1	283 3,335 258 265	3	1,874		
Kentucky	. 39 . 13 . 403	9, 919 986 80, 166 1, 120	8 1	2 48 1	3 136 1	1 4 3 62 4	11 32 34 783 54	2 1 3 93 2	75 22 87 3,205 53	1 7 5 89 2	73 573 367 6,715 139	16 1 103 4	2,894 124 17,074 483	4 1 57 1	1,454 374 20,097 390	2 26	1,281 17,292	3 9	3,600 14,86
Minnesota	54 52	2, 153 17, 458 12, 336 2, 835	3	2 2 2 1	6 4 2 1	2 4 5 5	31 61 64 48	1 5 4 9	43 175 152 319	3 1 8 7	225 97 624 550	5 14 16 6	718 2,532 2,684 981	19 11 3	542 6,946 4,057 936	1 6 5	588 4,044 3,644	3 1	3,599 1,109
New York. Ohio Pennsylvania Wisconsin	128	34,710 14,092 13,317 7,598	10 2	85 4 12 11	227 10 28 32	76 6 20 6	888 72 271 72	65 3 33 10	2,149 79 1,269 400	42 8 25 13	2,898 681 1,809 1,046	23 23 23 13	5,152 3,819 3,485 1,811	16 8 12 3	5, 278 2, 860 3, 958 \$80	10 7 2 3	7, 289 5, 012 2, 497 2, 266	1 1	10,829 1,559

² Corresponding figures not available.

⁸ Not shown separately in 1914.

TABLE 32.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.		TUMBER BLISHME			AGE NUMI GE EARNI		VA	LUE OF PRODU	CTS.	VALUE AD	DED BY MANU	FACTURE.
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	1,440	1,355	1,343	211,049	191,555	185, 116	\$1,155,041,436	\$501,760,458	\$442,630,726	\$439,772,121	\$191,403,872	\$165, 162, 983
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,009. \$100,000 to \$500,000. \$500,000 to \$1,000,000. \$1,000,000 and over.	279	138 210 303 429 138 137	127 228 303 563 122	58 612 4,388 26,955 26,208 152,828	250 1,556 8,460 85,018 96,271	279 1,932 8,416 89,277 85,212	150,171 1,821,963 15,218,314 { 120,513,378 134,020,114 883,317,496	361, 978 2, 226, 096 16, 506, 114 112, 963, 739 101, 131, 585 268, 570, 946	368,716 2,636,777 15,111,482 } 204,736,816 219,776,835	$ \begin{cases} 83,051\\ 999,357\\ 7,211,631\\ 49,949,546\\ 53,707,744\\ 327,820,792 \end{cases} $	226,086 1,233,593 7,313,294 81,835,420 100,795,479	220, 569 1, 486, 348 6, 816, 447 78, 024, 182 78, 015, 437
							PER CENT	distribution.				
All classes	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Loss than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$500,000 to \$1,000,000. \$1,000,000 and over	11.0 19.3 30.4 12.8	10. 2 15. 5 22. 4 31. 7 10. 1 10. 1	9.5 17.0 22.6 41.9 9.1	$ \begin{cases} 0.3 \\ 2.1 \\ 12.8 \\ 12.4 \\ 72.4 \end{cases} $	0.1 0.8 4.4 44.4 50.3	0.2 1.0 4.5 48.2 46.0	(1) 0.2 1.3 10.4 11.6 76.5	0.1 0.4 3.3 22.5 20.2 53.5	0.1 0.6 3.4 46.3 49.6	(1) 0.2 1.6 11.4 12.2 74.5	0.1 0.6 3.8 42.8 52.7	0.1 0.9 4.1 47.2 47.6

¹ Less than one-tenth of 1 per cent.

TABLE 33.—CHARACTER OF OWNERSHIP, BY STATES: 1919 AND 1914.

1, 1			MBER TABLE		ΑV	ERAGE	NUMBER	AW TO	GR EAI	iners.			V.	LUE OF PROD	ucrs,			
STATE.	Cen- sus vear.	MEN	TS OW BY—				tablishn vned by		Per c	ent of	total.		Of estab	lishments owr	ed by—	Per	ent of	total.
	Journ	Indi- vid- uals.	pora-	All oth- ers.	Total.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All others.	Total.	Individ- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tlons.	All oth- ers.
United States	1919 1914 1909	328 387 435	898 686 610	223 282 298	191,555	12, 469	184, 167 148, 887 135, 336	15,302 30,199 35,581	5.5 6.5 7.7	87. 3 77. 7 73. 1	7. 2 15. 8 19. 2	\$1,155,041,436 501,760,458 442,630,726	\$56, 983, 920 28, 188, 732 30, 649, 970	\$1,017,908,259 394,709,381 329,375,572	\$80, 149, 257 78, 862, 345 82, 605, 184	4. 9 5. 6 6. 9	88. 1 78. 7 74. 4	7.0 15.7 18.7
California	1919 1914	5 2	8 9	1 5	616 617	1 36	580 592	2 25	5.8	94. 2 95. 9	4.1	3, 247, 177 1, 891, 356	1 108, 844	3, 138, 333 1, 824, 921	² 66, 435	3.4	96. 6 96. 5	3, 5
Illinois	1919 1914	9 16	37 23	5 8	7,684 6,071	70 343	7,363 5,299	251 429	0.9 5.6	95. 8 87. 3	3.3 7.1	39, 402, 383 16, 891, 626	369,094 1,108,785	37,111,942 14,727,840	1,921,347 1,055,001	0.9 6.6	94. 2 87. 2	4.9 6.2
Maine	1919 1914	3 6	33 38	3 6	9,919 8,815	133 36	9, 354 8, 257	432 522	1.3 0.4	94. 3 93. 7	4. 4 5. 9	48, 059, 388 22, 836, 073	467, 295 143, 356	45,311,436 20,912,085	2,280,657 1,780,632	1.0 0.6	94. 8 91. 6	4.7 7.8
Maryland 8	1919		10	3	986		854	132		86.6	13.4	4, 662, 351	•••••	3, 968, 903	693, 448	 	85.1	14.9
Massachusetts	1919 1914	127 147	284 188	82 129	80,166 76,944	7, 185 6, 562	65, 294 56, 682	7,687 13,700	9.0 8.5	81, 4 73, 7	9.6 17.8	442, 466, 236 200, 529, 858	35, 885, 805 15, 762, 303	365, 672, 087 149, 231, 773	40,908,344 35,535,782	8.1 7.9	82.6 74.4	9. 2 17. 7
Michigan	1919 1914	3 4	11 18	1 2	1,120 2,035	1 24	1,098 2,016	2 19	2,1	97. 9 99. 1	0.9	6,046,310 5,357,151	1 69, 804	5, 976, 506 5, 328, 416	28, 735	1. 2	98. 8 99. 5	0,5
Minnesota	1919 1914	1 2	14 12	1	2, 153 2, 012		4 2, 153 3 2, 012			100. 0 100. 0		12, 644, 659 5, 918, 031		112,644,659 25,918,031			100. 0 100. 0	
Missouri	1919 1914	2 3	52 46		17,458 13,160		² 17, 458 ² 13, 169		 	100. 0 100. 0		109, 193, 423 40, 311, 210		² 109, 193, 423 ² 40, 311, 210			100. 0 100. 0	
New Hampshire	1919 1914	4 9	39 36	9 10	12,336 12,937	293 573	11, 140 11, 293	903 1,071	2.4 4.4	90. 3 87. 3	7.3 8.3	73, 870, 588 37, 664, 039	1,681,112 1,289,025	68, 177, 649 34, 046, 642	4,011,827 2,328,372	2, 3 3, 4	92.3 90.4	5, 4 6, 2
New Jersey	1919 1914	6	22 21	6 12	2,835 3,834	217 168	2,400 2,769	218 897	7.7 4.4	84. 7 72. 2	7.7 23.4	12, 864, 068 8, 238, 710	1,376,647 292,513	10,600,137 6,140,774	887, 284 1, 805, 423	10. 7 3. 6	82, 4 74, 5	6, 9 21, 9
New York	1919 1914	112 103	170 87	58 45	34,710 26,193	2,469 2,388	20,920 14,517	2,312 9,288	7.1 9.1	86. 2 55. 4	6.7 35.5	190, 475, 939 67, 288, 809	12,631,933 4,943,834	165, 976, 739 35, 428, 906	11,867,267 26,916,069	6.6	87. 1 52. 7	6, 2 40, 0
Obio	1919 1914	7 6	50 52	3 4	14,092 14,461	400 371	13,448 13,910	244 180	2.8 2.6	95, 4 96, 2	1.7	71, 354, 850 32, 773, 992	1,613,538 594,945	68, 477, 612 31, 658, 520	1, 263, 700 520, 457	2.3	96. O	1.8
Pennsylvania	1919 1914	23 37	73 61	32 33	13,317 13,184	490 1,464	10,755 9,010	2,072 2,710	3.7 11.1	80.8	15.6	65, 411, 673 27, 844, 752	1,837,353 2,785,283	52,317,685 19,299,273	11, 256, 635 5, 760, 196	2, 8 10, 0	80. 0 69. 3	17. 2 20. 7
Wisconsin	1919 1914	10 11	49 45	3 5	7,598 5,772	114 117	7,381 5,535	103 120	1, 5 2, 0	97. 1 95. 9	1. 4 2. 1	44, 373, 938 17, 643, 350	478, 195 277, 103	43, 337, 892 16, 952, 052	557, 851 414, 195	1.1	97. 7 95. 1	1. 3 2. 3

¹ Includes the group "All others."
¹ Includes the group "Individuals."

Not shown separately in 1914.
 Includes the groups "Individuals" and "All others."

TABLE 34.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

	NUMBER O	P ENGINES C	R MOTORS.			HORSEPOWE	R.		
POWER.	1010	1011	7000		Amount.		Per cent distribution.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total	127119	5,960	2,624	120,632	100, 232	85, 896	100. 0	100.0	100, 0
Owned Steam Engines Turbines Internal-combustion engines Water wheels, turbines, and motors	371 354 17	595 480 (1) (1) 91 24	(1) (1) (1) 122 26	60, 196 57, 267 46, 655 10, 612 908 2, 021	65,057 60,085 (1) (1) 3,421 1,551	61, 974 56, 680 (1) 3, 235 2, 059	49. 9 47. 5 38. 7 8. 8 0. 8 1. 7	64, 9 59, 9	72. 2 66. 0 3. 8 2. 4
Rented Electric Other	11,698	5, 365 5, 365	1, 952 1, 952	60, 436 55, 690 4, 746	35, 175 30, 909 4, 266	23,922 14,553 9,369	50. 1 46. 2 3. 9	35. 1 30. 8 4. 3	27. 8 16. 9 10. 9
Electric. Rented. Generated by establishments reporting	16, 279 11, 698 4, 581	8, 514 5, 365 3, 149	3, 474 1, 952 1, 522	83, 792 55, 690 28, 102	54, 159 30, 909 23, 250	29, 169 14, 553 14, 616	100. 0 66. 5 33. 5	100. 0 57. 1 42. 9	100.0 49.9 50.1

1 Not reported separately.

TABLE 35 .- FUEL CONSUMED, BY STATES: 1919 AND 1914.

And a Company of the		gc	AL.	0.1		Carolina	
STATE.	Census year.	Anthracite ¹ (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).	Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
United States	1919 1914	46, 066 78, 076	394, 926 277, 921	2, 602 2, 943	24,092 3,608	2,901 (²)	170, 430 181, 667
California	1919 191 4	36	1 155		3,488 1,785	(2)	548 1,403
Connecticut	1919 1914	24 17	781 588				6
Illinois.	1919 1914	12 2,411	36,072 13,123	822	110	(2)	4,073 1,483
Indiana 3	1919		1,398				•••••••
Iowa ⁸	1919		1,952				. 18
Kentucky 3	1919		936				58
Maine	1919 1914	1,350 976	10, 922 10, 674	380	11 214	(2)	175 348
Msryland	1919 1914	26	1,643 708		2	(2)	780 843
Massachusetts	1919 1914	12,432 19,220	76, 949 81, 067	362 167	20, 148 200	(2) 131	9,598 7,169
Michigan	1919 1914	4 169	2,530 6,697				224 559
Minnesota	1919 1914	71 915	2,105 3,380		<u>a</u> -	(2)	2,891 585
Missouri	1919 1914	343 6,550	41, 133 39, 779	1,172	10 18	(²)	9,572 4,162
New Hampshire	1919 1914	3,028 1,642	20, 497 21, 949		250 76	(²)	138 2,215
New Jersey	1919 1914	4,578 2,985	6, 656 5, 338	7	29	. (2)	3,038 3,322
New York	1919 1914	11,761 27,513	74, 381 27, 749	285	23 21	(2) 2,021	24,620 31,815
Ohio	1919 1914	8 100	77, 346 31, 966	1,963	6 431	(2)	58,620 101,855
Pennsylvania	1919 1914	12,072 12,406	15,902 12,151	656	· 155 465	(2)	46,350 4,385
Wisconsin	1919 1914	314 3,126	17, 484 10, 833	81 115	1 151	(2)	2,060 2,709
All other states	191 9 1914	7 46	6,238 11,674	35	103	(²)	7,655 18,864

¹ Includes some semianthracite.

Included with figures for fuel oils.

Included with "All other states" in 1914.

SPECIAL STATISTICS.

Comparative statistics, by classes.—Table 36 gives the number and value of the different classes of products for 1919, 1914, and 1904. As value by classes was not reported in 1909, no figures for that year are given in this table, but quantity-production figures will be found in Table 37.

TABLE 36.—BOOTS AND SHOES, BY CLASSES: 1 1919, 1914,

	1919	1914	1904
Total value2	\$1,155,041,436	\$501,760,458	\$320, 107, 458
Boots, shoes, slippers, etc.: Number of pairs Value Boots and shoes—	331, 224, 628	292,666,468	242, 110, 035
	\$1, 128, 286, 743	\$489,053,124	\$315, 987, 387
Number of pairs	286, 592, 960	252, 516, 603	216,039,401
Value	\$1, 070, 322, 232	\$455, 398, 112	\$298,658,865
Number of pairs	95,017,356	98,031,144	83, 434, 322
	\$429,740,457	\$219,994,422	\$142, 038, 632
Boys' and youths'— Number of pairs Value.	26, 503, 432 \$72, 883, 299	22,895,719 \$32,852,560	21,717,236 \$24,301,298
Women's— Number of pairs Value. Misses' and children's—	104, 812, 505	80,916,239	69, 470, 876
	\$447, 289, 044	\$148,433,738	\$98, 262, 016
Number of pairs	48, 538, 203	48,322,395	41, 416, 967
Value	\$102, 001, 213	\$51,870,908	\$34, 058, 919
Fiber— Number of pairs Value Athletic and sporting	79,391 \$168,392	2,351,106 \$2,246,481	(3)
shoes— Number of pairs Value. Canvas and other textile	585,710	(3)	(8)
	\$2,083,402	(3)	(8)
fabrics— Number of pairs Value	11,056,363 \$16,068,425	(3)	(8)
Slippers— Number of pairs. Value. Men's, boys', and youths'—	21, 815, 048	24,673,102	17,518,291
	\$33, 409, 101	\$26,082,238	\$13,996,832
Number of pairs	3, 230, 086	3,666,972	4,403,097
	\$5, 308, 089	\$3,450,362	\$3,464,561
Women's, misses', and children's— Number of pairs. Value Felt or other fiber—	5, 264, 235 \$12, 860, 767	14,066,717 \$18,573,921	13,115,194 \$10,532,271
Number of pairs Value Infants' shoes and slippers—	13,320,725 \$15,240,245	6,939,413 \$ 4,057,955	(8)
Number of pairs	16,668,912	15,476,763	(s)
	\$18,249,791	\$7,572,774	(s)
Number of pairs	5,125,962	(8)	(8)
Value	\$5,128,462		(2)
Moccasins— Number of pairs Value	1,021,748	(8)	(S)
	\$1,177,157	(8)	(3)
All other kinds— Number of pairs Value			8, 552, 343 \$3, 331, 690
All other products, including amount received for work done for others, value	\$26,754,693	\$12,707,334	\$4,120,071

At the census of 1909 the value was not reported by classes. See Table 37 for quantity of production.

2 Exclusive of the boot and shoe, etc., products of establishments engaged primarily in other lines of manufacture: 1919, 9 establishments, value \$894,201; 1914, \$855,582; and 1904, \$89,000. 1 At the census of 1909 the value was not reported by classes. See Table 37 for

Although there was an increase of only 13.2 per cent in the total number of pairs of boots and shoes, slippers, etc., reported in 1919 as compared with 1914, the value increased 130.7 per cent. The increase in values is perhaps best shown by average unit values for the respective years. The average value per pair of men's shoes in 1919 was \$4.52 as compared with \$2.24 in 1914; women's shoes \$4.27 in 1919 and \$1.83 in 1914; and infants' shoes and slippers, \$1.09 in 1919 and 49 cents in 1914.

"Fiber boots and shoes" should be considered in conjunction with shoes of "canvas or other textile fabrics," as the establishments which manufactured a large majority of the shoes reported as "fiber" in 1914 returned their output as "canvas or other textile fabrics" in 1919. The large decrease in women's, misses', and children's slippers is due to the fact that in many cases production reported in 1914 as "slippers" was shown on the schedules for 1919 as low cut shoes.

Under "All other products" for 1919 is included the value of the products of establishments classified in the boot and shoe industry but making footwear which was not strictly boots and shoes. It also includes the value of such products made by establishments in connection with the manufacture of boots and shoes. Such footwear was in part reported by quantity and value without distinction as to class or type but for the most part the value only was reported. The following tabular statement gives the details for this item:

KIND.	Value.
All other products (Table 36)	\$26,754,693
Overgaiters. Canvas leggings. Leather leggings. Bathing shoes. Ballet slippers. Wooden-soled boots. Cowboy boots, wooden shoes, clogs, lumberman's pacs, aluminum, rubber and steel soled boots, Alaskas, puttees, legonettes, etc. Army equipment. Cut stock. Boot and shoe findings. Received for erimping, stitching, and buttonhole making, and contract work only. Other income, custom work and repairing, contract work, leather scraps, rags, remnants, waste offal, etc.	240, 257 201, 749 199, 580 380, 385 2, 556, 502 1, 427, 033 7, 913, 997 462, 820

Products, by states.—Table 37 shows quantity production, 1919, 1914, and 1909, by classes, for the United States and the 10 leading states, ranked according to aggregate products in 1919. The unclassified group "All other footwear" for 1919 and 1914 includes boots, shoes and slippers not segregated as to men's, women's, and children's. For 1909 it was largely composed of infants' shoes and slippers, but also included carpet slippers, sandals, athletic and sporting shoes, etc., reported without classification.

Massachusetts shows no material change in aggregate production for the three census years though the state's proportion of the United States total decreased from 41.4 per cent in 1909 to 39.4 per cent in 1914 and to 35.3 per cent in 1919. New York increased from 10 per cent of the total for the United States in 1909 to 13.3 per cent in 1914 and to 19 per cent in 1919. Missouri, which in 1919 ranked third in production, superseded New Hampshire and Pennsylvania. Maine, Wisconsin, and Illinois show substantial increases in quantity of production, 22.1 per cent, 32.9 per cent, and 28.3 per cent, respectively, for the census period 1914-1919.

TABLE 37.-PRODUCTS, BY STATES: 1919, 1914, AND 1909.

		Num-		P	OOTS AND ST	OES (NUMBE	R OF PAIRS).		SLIPPERS ((NUMBER OF	PAIRS).	All other
STATE.	Cen- sus year,	ber of estab- lish- ments.	Aggregate number of pairs.	Total.	Men's.	Boys' and youths'.	Women's.	Misses' and children's.	Total.	Men's, boys', and youths'.	Women's, misses', and children's.	footwear (number of pairs).
United States	1919 1914 1909	1,449 1,355 1,343	331, 224, 628 292, 666, 468 285, 017, 181	1 274, 871, 496 1 250, 165, 497 247, 643, 197	95,017,356 98,031,144 93,888,892	26, 503, 432 22, 895, 719 23, 838, 626	104,812,505 80,916,239 86,595,314	48, 538, 203 48, 322, 395 43, 320, 365	1 8,494,321 1 17,733,689 17,507,834	3,230,086 3,666,972 4,802,841	14,066,717 12,704,993	2 47, 858, 811 3 24, 767, 282 19, 866, 150
Massachusetts	1919 1914 1909	493 464 469	116, 902, 912 115, 224, 383 118, 009, 926	102, 389, 856 98, 009, 176 102, 826, 648	39, 610, 259 44, 750, 716 45, 155, 939	5,517,399 8,318,252 9,019,124	45, 251, 383 32, 295, 781 36, 778, 432	12,010,815 12,644,427 11,873,153	5,620,573 11,799,532 10,155,324	2,364,668 3,061,796 3,369,808	3,255,905 8,737,736 6,785,516	8, 982, 483 5, 415, 675 5, 027, 954
New York	1919 191 4 1909	340 235 219	62,773,081 38,798,158 28,538,451	42,740,998 29,108,742 20,105,346	14,266,093 9,923,488 3,853,855	6,571,423 2,590,175 745,527	14,272,275 12,021,725 10,141,133	7,631,207 4,573,354 5,364,831	957,024 1,301,509 2,518,469	263,408 108,531 701,356	693,616 1,192,978 1,817,113	19,075,059 8,387,907 5,914,636
Missouri	1919 1914 1909	54 49 52	26,362,397 20,868,352 25,931,107	25,457,052 20,444,240 24,657,160	8,399,403 8,840,878 9,303,028	2,294,733 748,018 2,087,258	10,256,064 6,758,611 8,642,965	4,506,852 4,096,733 4,623,909	(4) 102, 422 616, 229	(4) (4) 27,551	(1) (1) 588,678	(9) (6) (7)
Pennsylvania	1919 1914 1909	128 131 124	23,617,362 22,184,502 17,588,474	17,909,498 17,717,591 11,631,329	2,117,680 1,697,909 942,959	1,192,017 1,230,664 1,105,348	3,869,766 3,672,662 3,285,815	10,730,035 11,116,356 6,297,207	817, 240 312, 334 1, 165, 117	128,000 (4) 127,944	689,240 (4) 1,037,173	4,890,624 4,154,577 4,792,028
New Hampshire	1919 1914 1909	52 55 52	22,700,694 24,659,886 25,534,114	21,873,826 22,708,546 25,069,572	10,586,597 11,048,926 11,698,985	3,651,685 4,010,136 4,176,479	4,491,754 3,773,648 4,587,874	3,143,790 3,875,830 4,606,234	1,674,374 282,124	159,872	352,498 1,514,502 282,124	(') 276,966 182,418
Maine	1919 1914 1909	39 50 47	19,175,387 15,709,277 9,275,102	10,444,825 12,704,966 9,066,454	3,319,890 4,476,245 4,786,134	1,235,043 572,980 665,270	5,343,009 4,256,166 2,886,923	546, 883 3, 899, 575 728, 127	(1) (2) (3)	(t) (t)	667, 239 (4)	8, 689, 943 (1)
Ohio	1919 1914 1909	60 62 63	17,870,148 17,973,441 18,908,915	17,571,593 17,161,199 17,693,316	898,507 1,419,925 1,702,194	1,804,699 1,734,957 1,372,330	12,157,284 10,966,825 11,154,083	2,711,103 3,039,492 3,464,709	662,456 1,147,239	(4) 180, 507	(4) 966,732	298,555 149,786 68,360
Wisconsin	1919 1914 1909	62 61 59	11,142,456 8,382,882 7,296,629	10,490,408 8,017,963 6,777,363	6,340,008 5,000,827 4,055,496	1, 894, 948 865, 138 652, 109	1,578,289 1,336,525 1,442,341	677, 163 815, 473 627, 417	(4) 135,999 204,872	(4) 21,515 39,018	(4) 114,484 165,854	600,782 228,920 314,394
Illinois	1919 1914 1909	47	10, 638, 609 8, 292, 659 8, 295, 805	9,241,420 7,370,553 6,893,731	3,576,329 3,934,629 4,018,016	1,058,239 1,270,520	3,013,743 1,625,866 1,034,470	2,651,348 751,819 570,725	(4) 246, 835 274, 697	(4) 49, 140 112, 900	(4) 197, 695 161, 797	469,156 675,271 1,127,377
New Jersey	1919 1914 1909	42	4,280,660 6,112,974 6,154,954	2,678,474 3,738,459 4,943,451	580,137 596,830 602,075	(4) 4,438 137,612	1	1,662,137 2,525,211	(4) 196, 842 663, 476	(*) 17, 882 125, 181	(4) 178, 960 538, 295	2,177,678 548,027
All other states	1919 1914 1909	159	15,670,922 14,459,954 19,483,704	14,073,546 13,184,062	5,322,453 6,340,771 7,770,211	2,341,485 1,762,722 2,607,049	4,142,738 3,596,450 5,885,792	2,266,870 1,484,119 1,715,775	1,099,484 1,301,386 480,287	474,010 248,236 118,576	272,976 1,463,123 361,711	4,852,209 3,300,507 1,890,956

¹ For total number of boots and shoes or slippers, see Table 36. The kinds not reported by class are here included with "All other footwear." includes athletic and sporting, canvas or other textile fabric, and fiber shoes; infants' shoes and slippers; felt or other fiber slippers; sandals; and moccasins.

² Includes fiber shoes, felt or other fiber slippers, and infants' shoes and slippers. See Table 36 for details.

⁴ Included in "All other states" to avoid disclosure of individual operations.

Infants' shoes and slippers.—The statistics for infants' shoes and slippers are shown in Table 38 for the 12 leading states for 1919, 1914, and 1909.

Table 38.—Infants' Shoes and Slippers: 1919, 1914, and 1909.

		1919		1914		1909
STATE,	Rank.	Number of pairs.	Rank.	Number of pairs.	Rank.	Number of pairs.
United States		16,668,912		15,476,763	<u></u>	15,000,721
New York Pennsylvania Massachusetts. New Jersey Missouri.		5,008,510 4,324,866 2,559,373 1,388,478 861,417	1 2 3 4 6	4,306,631 4,117,042 3,109,511 2,093,534 318,002	2 1 3 6 5	3,797,675 4,563,505 3,610,676 312,398 657,368
Maine. Illinois. Ohio. Indiana.	6 7 8 9	705, 157 330, 986 234, 864 168, 000	5 10	(1) 545, 169 149, 786 (1)	4	1,002,277
Michigan. Wisconsin. New Hampshire. All other states.		132,037 58,968 2,772 233,484	8 9 7	213,960 170,332 276,966 175,830	8 7	(1) 145, 315 182, 415 729, 18

¹ Included in "All other states."

Miscellaneous kinds of footwear .- Table 39 shows the production of felt or other fiber slippers, sandals,

moccasins, athletic and sporting shoes for 1919, by states.

TABLE 39.—MISCELLANEOUS CLASSES OF FOOTWEAR, BY STATES:

CLASS.	United States.	Massa- chusetts.	New York,	Penn- sylva- nia.	Other states.
Felt or other fiber slippers: Number of establishments Quantity produced, num- ber of pairs. Value of product. Sandals: Number of establishments Quantity produced, num- ber of pairs. Value of product. Moccasins: Number of establishments Quantity produced, num- ber of pairs. Value of product. Athletic and sporting shoes: Number of establishments Quantity produced, num- ber of pairs. Value of product. Athletic and sporting shoes: Number of establishments Quantity produced, num- ber of pairs. Value of product.	13,320,725 \$15,240,245 27 5,125,962 \$5,128,462 20 1,021,748 \$1,177,157	\$27,820 \$533,425 7 335,729 \$360,570 4 83,992	3,383,733 \$3,340,225 9 629,187 \$605,405	4 429,842 \$431,862	\$47,092 \$958,235 \$3 \$984,567 \$322,950 \$4 \$56,832 \$211,086 \$10 \$501,718 \$1,805,273

¹ Includes establishments in Illinois, Iowa, Minnesota, New Jersey, and Wis-

consin.

2 Includes establishments in Connecticut, Minnesota, and Wisconsin.

3 Includes establishments in Maine, Illinois, and Pennsylvania.

4 Includes establishments in California, Illinois, Michigan, Minnesota, New York, Pennsylvania, and Wisconsin.

Method of manufacture.—Table 40 groups the various classes of products by method of manufacture—"Welted," "Turned," "McKay," etc.

The "Stitchdown" type was first reported at the census of 1919. This was used for footwear of all classes, but value was not reported for each class. Of the "Stitchdown" class, 76.9 per cent were boots and shoes for misses and children, and sandals largely for children's wear.

The "Welted" class constituted 32.3 per cent of th total production in 1909, 36.5 per cent in 1914, and 38 per cent in 1919. The "Wood or metal fastened" type is the only group showing a decrease. This decrease, compared with 1914, was 48 per cent, and there was a decrease in the percentage of the total from 9.8 per cent in 1909 to 8.6 per cent in 1914 and to 4 per cent in 1919.

TABLE 40.—BOOTS AND SHOES, ETC., BY METHOD OF MANUFACTURE: 1919 AND 1914.

				NUMBER OF	PAIRS.		
CLASS.	Census year.	Total.	Welted.	Turned.	McKay.	Wood or metal fastened.	Stitchdown.
Total	1919 1914	331, 224, 628 292, 666, 468	125, 722, 127 106, 714, 700	61, 748, 202 55, 378, 961	120, 056, 877 105, 309, 744	13, 143, 915 25, 263, 063	10, 553, 507 (1)
Boots and shoes	1919 1914	286, 592, 960 252, 516, 603	124, 022, 554 104, 466, 823	38, 583, 581 29, 609, 882	104, 314, 881 93, 448, 378	13, 143; 915 24, 991, 520	6, 528, 029
Men's	1919 1914	95, 017, 356 98, 031, 144	70, 951, 187 63, 975, 763	43, 997 582, 802	13, 997, 182 14, 951, 419	9, 336, 042 18, 521, 160	688, 948
Boys' and youths'	1919 1914	26, 503, 432 22, 895, 719	² 8, 354, 305 4, 229, 490	⁽³⁾ 41, 210	14, 574, 282 13, 451, 259	8, 209, 346 5, 173, 760	365, 499
Women's.	1919 1914	104, 812, 505 80, 916, 239	35, 496, 943 28, 319, 295	21, 547, 923 15, 086, 037	46, 607, 780 36, 738, 465	270, 860 792, 442	888,969
Misses' and children's	1919 1914	48, 538, 203 48, 322, 395	7,984,950 7,803,807	14, 621, 897 11, 837, 713	21, 314, 657 28, 178, 753	182, 116 502, 122	4, 434, 583
Flber	1919 1914	79, 391 2, 351, 106	⁽³⁾ 138, 468	21, 146 2, 082, 120	4 58, 245 128, 482	2,036	
Athletic and sporting 6	1919	585,710	194, 588	87,879	162, 467	140,776	
Canvas and other textile fabrics 5	1919	11,056,363	1, 040, 581	2, 260, 739	7, 600, 268	. 4,775	150,000
Slippers	1919 1914	21, 815, 046 24, 673, 102	745, 613 1, 383, 862	8, 154, 488 12, 542, 955	* 12, 689, 945 10, 550, 342	(⁸) 195, 943	225,000
Men's, boys', and youths'	1919 1914	3, 230, 086 3, 666, 972	230, 558 296, 078	1, 434, 413 1, 563, 428	61,442,115 1,753,623	(8) 53, 843	123,000
Women's, misses', and children's	1919 1914	5, 264, 235 14, 066, 717	426, 255 1, 066, 209	2, 605, 118 7, 528, 903	2, 130, 862 5, 468, 505	8, 100	102,000
Felt or other fiber	1919 1914	13, 320, 725 6, 939, 413	88, 800 21, 575	4, 114, 957 3, 455, 624	9, 116, 968 3, 328, 214	134,000	
Infants' shoes and slippers	1919 1914	16, 668, 912 15, 476, 763	220, 380 864, 015	14, 068, 685 13, 226, 124	2, 257, 120 1, 311, 024	75,600	122,727
Sandals 5	1919	5, 125, 962	546, 000	388,715	513, 496		3,677,751
Moccasins 5	1919	1,021,748	187, 580	552,733	281,435		

Method of manufacture, by states.—The information given in Table 40, by classes, is shown in Table 41 for the most important states for 1919 and 1914. The "McKay" type in New York increased from 18.9 per cent of the state total in 1914 to 44.9 per cent in 1919; and in New Hampshire the proportion decreased

from 55.8 per cent to 40.3 per cent. Maine and Wisconsin were the only states reporting "Wood and metal fastened" shoes which reported more than a negligible increase in number. The increase for Maine amounted to 129 per cent and for Wisconsin to 40 per cent.

Not reported in 1914.
 Includes "Turned" to avoid disclosure of individual operations.
 Included in another classification to avoid disclosure of individual operations.

<sup>Includes "Welted" to avoid disclosure of individual operations.
Not shown separately in 1914.
Includes "Wood or metal fastened" to avoid disclosure of individual operations.</sup>

TABLE 41.—PRODUCTION, BY METHOD OF MANUFACTURE, BY STATES: 1919 AND 1914.

	Census			NUMBER OF	F PAIRS.		
CLASS.	year.	Total.	Welted.	Turned.	McKay.	Wood or metal fastened.	Stitchdown,
United States	1919 1914	331, 224, 628 292, 666, 468	125,722,127 106,714,700	61, 748, 202 55, 378, 961	120, 056, 877 105, 309, 744	13, 143, 915 25, 263, 063	10, 558, 507
Massachusetts	1919	116, 992, 912	52, 279, 293	24, 244, 356	35, 255, 696	4,384,333	829, 234
	1914	115, 224, 383	48, 245, 803	21, 084, 585	38, 000, 118	7,884,877	(¹)
New York	1919	62, 773, 081	14, 694, 222	14, 612, 979	28, 158, 761	36,834	5, 270, 285
	1914	38, 798, 158	12, 531, 062	10, 996, 094	7, 315, 343	7,955,659	(1)
Missouri	1919	26, 362, 397	10, 352, 661	1, 980, 861	10, 588, 512	2, 130, 249	1,310,114
	1914	20, 868, 352	7, 779, 541	930, 719	9, 423, 161	2, 734, 931	(1)
P ennsylvania	1919	23,617,362	7, 165, 740	10, 523, 847	4, 898, 129	259, 162	770,484
	1914	22,184,502	4, 943, 311	11, 107, 454	5, 605, 405	528, 332	(1) ·
New Hampshire	1919	22, 700, 694	10, 494, 583	1, 015, 310	9, 153, 088	2, 022, 549	15,164
	1914	24, 659, 886	8, 767, 505	(²)	13, 750, 567	(²)	(¹)
Maine	1919	19, 175, 387	5, 971, 546	2, 144, 195	10, 520, 261	539, 385	}
	1914	15, 709, 277	5, 925, 381	3, 330, 532	6, 217, 774	235, 590	••••••••
Ohio	1919 1914	17, 870, 148 17, 973, 441	5, 295, 248 6, 075, 029	1,710,762 (³)	10, 845, 138 10, 384, 742	19,000	
Wisconsin	1919	11, 142, 456	5, 982, 448	681,278	1, 688, 267	2, 591, 757	198,706
	1914	8, 382, 882	2, 500, 424	727,324	3, 304, 325	1, 850, 809	(¹)
Illinois	1919 1914	10, 638, 609 8, 292, 659	5, 025, 338 3, 988, 692	1, 064, 411 (²)	4,321,509 3,780,123	227, 351 (²)	
New Jersey	1919 1914	4, 280, 660 6, 112, 974	986,693 1,074,736	2, 389, 899 3, 495, 465	902, 068 1, 542, 773	2,000	
All other states	1919 1914	15, 670, 922 14, 459, 954	7, 474, 355 4, 883, 216	1,380,304 859,497	3,725,448 5,976,413	931,295 2,740,828	2, 159, 520

¹ Not reported.

Stitchdown footwear.—Table 42 gives in detail the number of pairs of "Stitchdown," by kinds and by states.

TABLE 42.—STITCHDOWN FOOTWEAR: 1919.

CLASS AND STATE.	Number of pairs,	CLASS AND STATE.	Number of pairs.
Total	10,553,507	Boots and shoes—Con.	
		Misses -Continued.	J
Connecticut	767,500	New York	113,945
Kentucky	52,267	Pennsylvania	112,536
Maryland	1,339,753	Wisconsin	59,314
Massachusetts	829, 234	Children's-	00 405
Missouri	1,310,114	Kentucky	26,137
Now Hampshire	15, 164	Maryland	278, 350
New York	5,270,285	Massachusetts Missouri	391,897
Pennsylvania	770,484		352,558
Wisconsin	198,706	New Hampshire	11,420
Boots and shoes:		Pennsylvania,	1,993,958 225,060
Men's-		Wisconsin	107, 304
Maryland	265,351	Canvas and other textile	101,004
Missouri	00,601	fabrics—	
New York	90,641 307,000	New York	150,000
Pennsylvania	25, 956	Slippers:	200,000
Boys' and youths'-	20,000	Men's	
Maryland	265,350	Massachusetts	76,000
Missouri	63,547	New York	47,000
New York	36,602	Women's and chil-	
Women's-	,	dren's	1
Kentucky	5,226	New York	102,000
Maryland	265, 351	Sandals:	
Missouri	443.239	Connecticut	767, 500
New York	161,505	Massachusetts	149, 544
Wisconsin	13,678	New York	2,353,775
Misses'—		Pennsylvania	406, 932
Kentucky	20,904	Infants' shoes and slippers:	1
Maryland	265,351	Massachusetts	8,541
Massachusetts	203, 252	Missouri	91,276
Missouri	268, 853	New York	4,500
New Hampshire	3,744	Wisconsin	18,410

Shoes of canvas and other textile fabrics.—Shoes of canvas and other textile fabrics were first reported separately in 1919, and the number formed 3.3 per cent of the total for all kinds and classes. Table 43 shows this class of products distributed by method of manufacture and by states.

Table 43.—Shoes of Canvas and Other Textile Fabrics: 1919.

STATE.	Num- ber of estab-		JANTITY P TUMBER O	RODUCED F PAIRS).		Value.
	lish- ments.	Total.	Welted.	МсКау.	Turned.	
United States Maine Massachusetts New Hampshire New York Pennsylvania All other states ¹ .	54 23 5 9 4	7, 945, 154 2, 266, 251 311, 793 266, 162 80, 147 1 186, 856	851, 213 62, 215 228, 393	6, 848, 433 425, 524 194, 990	245,508 1,778,512 116,803 37,769 80,147	10, 038, 571 4, 384, 145 656, 648 447, 452

² Figures not shown separately in 1914.

The total includes 4,775 pairs "Wood or metal fastened" not shown in the detail.
 Includes "Stitchdown."
 Includes Alabama, Minnesota, Missouri, New Jersey, Ohio, and Wisconsin.

GENERAL TABLES.

Comparative summary, by states.—Table 44 shows for 1919, 1914, and 1909, by states, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products.

Detailed statement, by states.—Table 45 presents, for 1919, by states, the detailed statistics for the industry.

TABLE 44.—COMPARATIVE SUMMARY, BY STATES, 1919, 1914, AND 1909.

		Num-	Wage earners		Wages.	Cost of	Value of prod-		Cen-	Num-	Wage earners		Wages.	Cost of	Value of
STATE.	Cen- sus year.	ber of estab- lish- ments.	(average number).	Primary horse- power.		rials.	nets.	STATE.	sus year.	ber of estab- lish- ments.	(aver- age num- ber).	Primary horse- power.	Expres	rials. sed in the	uets.
United States	1919 1914 1909	1,449 1,355 1,343	211, 049 191, 555 185, 116	120, 632 100, 232 85, 896	\$210,735 105,695 92,359	\$715, 269 310, 357 277, 468	\$1,155,041 501,760 442,631	Minnesota	1919 1914 1909	16 14 18	2, 153 2, 012 2, 664	1,738 1,159 1,411	\$1,917 1,121 1,290	\$7,743 3,080 4,935	\$12,645 5,918 7,568
California	1919 1914 1909	14 16 18	616 617 695	381 475 369	542 396 402	1,969 1,253 1,120	3,247 1,891 1,924	Missouri	1919 1914 1909	54 49 52	17, 458 13, 169 16, 336	11, 221 8, 911 10, 421	13, 787 6, 113 7, 676	76, 926 25, 946 28, 943	109, 193 40, 311 42, 534
Connecticut	1914	8 9	995 567	288 227	824 252	2,179 1,338	3,765 1,957	New Hampshire	1919 1914 1909	52 55 52	12, 336 12, 937 13, 042	7,677 6,714 7,744	11,173 6,676 6,418	51, 056 26, 305 23, 937	73, 871 37, 664 34, 027
Illinois	1914 1909	51 47 46	7,684 6,071 5,588	5, 164 3, 286 2, 623	5,903 3,185 2,980	25, 218 10, 982 9, 495	39, 402 16, 802 15, 111	New Jersey	1919 1914 1909	34 42 40	2, 835 3, 834 4, 084	2,057 1,814 1,344	2,459 1,935 1,863	7, 811 4, 767 4, 352	12, 86: 8, 230 7, 52:
IndianaIowa	1919 1914 1919	5 6	620 360 653	426 423 779	464 184 449	1,905 776 2,270	2, 854 1, 278 3, 047	New York	1919 1914 1909	340 285 219	34,710 26,193 20,545	22,764 14,458 9,374	39, 643 15, 195 10, 202	108, 164 40, 188 26, 274	190, 476 67, 289 44, 428
	1914 1909	10	389 716	427 345	214 318	1,059	1,633	Ohio	1919 1914 1909	60 62 63	14, 092 14, 461 15, 693	9, 137 9, 813 8, 809	12, 545 7, 030 6, 532	40, 802 19, 248 18, 148	71,353 32,77 30,52
Kentucky	1919 1914 1909	7 9 10	630 440 419	463 428 282	357 180 167	2,099 1,672 2,439	3,574 2,564 3,235	Pennsylvania	1919 1914	128 131	13, 317 13, 184	6,629 6,271	10,961 6,119	40, 972 16, 524	65, 41: 27, 84!
Louisiana	1919 1914 1919	4 7 39	300 261 9, 919	167 166 5, 365	197 120 9, 227	733 367 30, 220	1,136 534 48,059	Texas	1909 1919 1914	124 11 7	10, 576 88 54	4, 213 56 32	4,181 93 28	11, 455 149 56	19, 40: 36: 12:
Maryland	1914 1909	50 47 13	8,815 6,508	4,309 8,330 582	4, 948 8, 152 794	14,743 9,778 3,107	48, 059 22, 836 15, 158 4, 662	Washington	ļ	9 11 9	146 178 170	175 194 148	153 112 88	445 500 450	840 701 590
	1914	7 11	595 589	242 250	278 237	824 901	1, 447 1, 412	Wisconsin	1919 1914	62 61	7, 598 5, 772	4, 653 3, 888	6,632 2,695 2,131	27,703 11,989	44,37
Massachusetts	1919 1914 1909	493 464 469	80,166 76,944 74,710	37,945 32,870 28,742	89, 490 46, 744 41, 970	269, 351 120, 326 114, 277	442,406 200,530 187,016	All other states	1909 1919 1914	59 28 40	5, 081 2, 627 2, 667	2,665 2,305 2,469	2, 131 2, 204 1, 208	8, 494 10, 264 4, 830	13, 11- 15, 38 7, 11
Michigan	1919 1914 1909	15 24 23	1, 120 2, 035 2, 455	1,596 786	921 932 936	4,184 3,181 3,347	6,046 5,357 5,256		1909	78	5, 245	3,090	1,816	8,064	12, 13

TABLE 45.—DETAILED STATEMENT, BY STATES: 1919.

Number, 15th day of— Pro- Pro- Pro-	EXPENSES.
Pro	ries and wages.
United States. 1, 449 237, 107 883 7, 617 8, 494 9, 064 211, 049 De 228, 412 Ap 109, 025 230, 457 138, 497 84, 641 4, 434 2, 885 580, 625, 075 230, 000 13, 00	
United States. 1, 449 237, 107 883 7, 617 8, 494 9, 064 211, 049 De 228, 412 Ap 109, 025 230, 457 138, 497 84, 641 4, 434 2, 885 580, 625, 075 26, 01 20 20 20 20 20 20 20 20 20 20 20 20 20	clerks,
California. 14 608 7 24 29 22 616 De 707 Ja 536 707 437 267 3 1,776,487 1010 1010 1010 1010 1010 1010 1010 10	
California 14 698 7 24 29 22 616 De 707 Ja 536 707 437 267 3 1,776,437 10	Dollars. 31,173, 261
Kentucky 7 732 12 44 31 15 630 De 842 Ja 449 836 388 427 6 20 2,603,936 10 Louisiana 4 346 7 12 17 10 300 Oc 310 Ja 287 302 794 484 17 7 774,290 1,20<	5 252 92 207
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	10, 381 98, 607 14, 821 1, 695, 603 15, 230 204, 922 12, 249 95, 074
Minnesota	6, 163 190, 951 1, 974 32, 963 0, 784 957, 220 0, 007 74, 961 2, 017 9, 705, 036
New York 34 3,165 20 132 95 83 2,835 De 3,017 Ja 2,675 3,062 1,792 1,185 43 42 7,120,905 41 New York 340 38,540 253 1,224 1,092 1,340 34,710 De 36,804 Mh 30,758 37,416 25,693 11,279 204 150 105,105,222 4,980 105,105,105,222 4,980 105,105,105,222 4,980 105,105,105,222 4,980 105,105,105,105,105,105,105,105,105,105,	5, 988 1, 479 6, 831 6, 694, 690 770, 697
Felinsylvania 128 14,730 115 571 374 353 13,317 De 13,871 Ja 12,506 14,059 7,912 5,207 505 375 36,631,318 1,81	9, 265 8, 900 2, 426 2, 426 3, 208, 137 2, 607 1, 230, 028
Wisconsin	5,755 3,845 3,009 1,160 2,520 24,166 1,874,094 1,160 265,242
EXPENSES—continued. POWER.	
Salaries and wages-Con. Rent and taxes. For materials. Primary horsepower.	Elec-
STATE. For Taxes Value of added by products. Value of products. Value of added by products.	tric horse- power
Wage carners. Rent of factory. Find and rent of power. Taxes, and a factory. Steam factory. Steam factory. Steam factory. Total. Ste	Rent- ed.4 gener- ated in estab- lish- ments report-
local. time bines tion ongines.	ing.
	0,436 28,102
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	266 248 1, 804 301 504
Maryland 793,700 2,698 24,349 103,422 3,085,084 21,949 4,662,351 1,555,318 582 70 1 12	393 40 167 4,524 70 2,426 1,814
Michigan 920,703 19,435 70,978 4,153,194 30,787 6,046,310 1,862,329 660 132 Minnosota 1,917,246 5,868 35,856 248,488 7,683,058 66,045 12,644,659 4,901,556 1,738 Missouri 13,766,880 1,040 42,167 2,910,100 75,448 71,425 931,584 50,796,069 259,431 73,870,588 22,815,088 7,677 3,425 383 15 490	528 70 1,738 4,456 3,177 8,364 1,437
New Jersey. 2, 459, 177 39, 457 30, 801 175, 837 7, 733, 971 77, 020 12, 864, 068 5, 053, 077 2, 057 1, 389 74 74 75	594 8,263 10,759 4,451 2,288 2,393 1,502
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	56 175 2,263 932 1,607 2,822

¹ Same number reported for one or more other months.

¹ All other states embrace: Alabama, 1 establishment; Georgia, 3; Kansas, 3; Nebraska, 2; North Carolina, 2; Oklahoma, 2; Oregon, 2; Rhode Island, 1; Tennessee, 2; Utah, 1; Vermont, 2; Virginia, 5; and West Virginia, 2.

² Includes water whoels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

³ Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

BOOT AND SHOE CUT STOCK.

GENERAL STATISTICS.

General character of the industry.-The industry includes establishments engaged primarily in the manufacture of soles, top lifts, heels, tips, inner soles, etc., used in making boots, shoes, slippers, and similar footwear. In 1919 there were 252 establishments engaged in the industry, which reported products valued at \$161,203,310. In addition, there were 7 establishments engaged primarily in the manufacture of other products which made cut stock and findings to the value of \$2,159,572.

Comparative summary.—Table 46 presents the principal statistics for the industry for each census period from 1879 to 1919. The very large increases in the financial items in 1919 as compared with 1914 are largely due to the general rise in prices, on account of war conditions. The increase in number of wage earners, an indication of the growth of the industry, amounted to 24.2 per cent.

Wage earners, by months.—Table 47 shows the number of wage earners employed month by month, and indicates the steadiness of employment, or the reverse. The number for the month of minimum employment in 1919 was 88.8 per cent of the number for the maximum month, as compared with 84.5 per cent in 1914. At the previous censuses the month of maximum employment was February, but in 1919 it was November. The numbers for the latter months of the year indicate an improvement of business conditions. In Massachusetts, the leading state in the industry, the fluctuation in employment during 1919 amounted to only 9.3 per cent. In this state 24.6 per cent of the wage earners engaged in this industry were women.

Prevailing hours of labor.—Table 48 shows the classification of wage earners according to the prevailing hours of labor per week in the establishment in which they were employed. In 1909 and 1914 a majority of the wage earners, 67.2 per cent and 52.2 per cent respectively, were employed in establishments where the prevailing hours of labor were more than 54; in 1919 only 6.4 per cent were in this group. On the other hand, at the earlier periods, only 1.5 per cent and 1.4 per cent respectively of the total number of wage earners were in establishments where the hours were 48 or less per week, but in 1919, 65.4 per cent were employed in such establishments.

Size of establishments by average number of wage earners.—Table 49 shows a classification of establishments according to the average number of wage earners employed. The industry is one of relatively small units. Considering the industry as a whole, the establishments having no wage earners or fewer than 21 contributed 66.7 per cent of the total number of establishments and employed 11.9 per cent of the wage earners in 1919, compared with 70.8 per cent of the establishments and 15.8 per cent of the wage earners in 1914. Only 7.5 per cent of the establishments employed more than 100 wage earners in 1919 and 5.1 per cent in 1914, the number of wage earners in these groups constituting 56.9 per cent and 49.5 per cent of the total number, respectively. In Massachusetts, the leading state, the changes in the groups are toward larger units.

Character of ownership.—Table 50 shows that the industry is one in which a majority of the establishments are unincorporated. The corporations are, however, the larger and more important establishments, the value of products averaging \$1,293,000 per establishment as compared with less than \$500,000 per establishment for either of the other classes, and the wage earners per establishment averaging 79, compared with less than 20 for the other classes.

TABLE 46.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, 1899, 1889, AND 1879.

	4049								PER CE	NT OF	NCREAS	E,1	
	1919	1914	1909	1904	1899	1889	1879	1914- 1919	1909- 1914	1904- 1909	1899- 1904	1889- 1899	1879- 1889
Number of establishments	252	236	232	290	342	314	172	6.8	1.7	-20.0	-15. 2	-0.6	100.0
Persons engaged Proprietors and firm members, Salaried employees. Wage earners (average number). Primary horsepower. Capital	1, 563 9, 715 9, 003	9, 309 231 1, 259 7, 819 6, 829 \$30, 455, 245	7,535 255 587 6,693 4,769 \$15,735,034	6,715 362 417 5,936 4,519 \$9,850,007	6, 921 424 342 6, 155 3, 202 \$7, 003, 080	(2) (2) (2) 4,992 2,788 \$5,401,834	(2) (2) (2) 2,885 (2) \$1,210,300	23.7 1.3 24.1 24.2 31.8 102.7	23.5 -9.4 114.5 16.8 43.2 93.6	12. 2 -29. 6 40. 8 12. 8 5. 5 59. 7	-3.0 -14.6 21.9 -3.6 41.1 40.7	(²) 14.8 29.6	(3)
Salaries and wages Salaries Wages	12, 453, 004 3, 328, 226 9, 124, 778	5,564,083 1,511,960 4,052,123	3,799,752 643,292 3,156,460	2, 796, 596 432, 387 2, 364, 209	2, 533, 580 302, 889 2, 230, 691	2,323,271 (2) (2)	735, 482 (2) (2)	123.8 120.1 125.2	46.4 135.0 28.4	35.9 48.8 33.5	10.4 42.8 6.0	9.1	215. 9 157. 1
Paid for contract work Rent and taxes Cost of materials Value of products Value added by manufacture 5	24, 808 1, 753, 692 133, 887, 276 161, 203, 310 27, 316, 034	12,522 388,478 51,450,498 59,964,523 8,514,025	5, 425 241, 709 36, 919, 919 44, 681, 497 7, 741, 578	5, 636 4 192, 948 21, 586, 872 27, 675, 815 6, 088, 943	17, 589 4 173, 793 17, 800, 282 23, 242, 892 5, 442, 610	(2) (2) 13,744,655 17,903,846 4,159,191	(2) (2) 5,939,249 7,531,635 1,592,386	98. 1 351. 4 160. 2 168. 8 220. 8	130.8 60.7 39.4 34.3 10.0	-3.7 25.3 71.0 61.4 27.1	-68.0 11.0 21.3 19.1 11.9	29.5 29.8 30.9	131.4 137.7 161.2

A minus sign (—) denotes decrease.
 Figures not available.
 Figures not strictly comparable.

Exclusive of internal revenue.
Value of products less cost of materials.

BOOT AND SHOE CUT STOCK.

TABLE 47.-WAGE EARNERS, BY MONTHS: 1919.

[Month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures.]

	Average number		NUN	BER EMP	LOYED ON	15th day	OF THE 1	MONTH OR	NEAREST	REPRESE	NTATIVE	DAY.		Per cent
STATE.	em- ployed during year.	January.	Feb- ruary.	March.	April.	Мау.	June.	July.	August.	Septem- ber.	October.	Novem- ber,	Decem- ber.	mini- mum is of maxi- mum.
United States: 1910. Males Fomales. 1914	7,098 2,617	9, 293 6, 684 2, 609 8, 392 6, 764	0, 328 6, 782 2, 546 8, 434 6, 972	9, 361 6, 778 2, 583 8, 409 6, 934	9, 190 6, 667 2, 523 8, 095 6, 636	9,370 6,896 2,474 7,670 6,599	9, 857 7, 304 2, 553 7, 581 6, 562	0, 943 7, 304 2, 639 7, 505 6, 515	9,659 7,024 2,635 7,710 6,651	9,760 7,243 2,517 7,699 6,623	10, 193 7, 488 2, 705 7, 651 6, 538	10, 354 7, 506 2, 848 7, 125 6, 723	10, 272 7, 500 2, 772 7, 557 6, 814	88. 8 88. 8 86. 9 84. 5 93. 4
MassachusettsMissouri,	4,631 1,593	4, 420 1, 308	4,532 1,336	4,527 1,520	4,439 1,573	4,491 1,608	4,593 1,640	4,783 1,565	4,678 1,541	4,744 1,645	4, 871 1, 808	4,733 1,850	4, 761 1, 727	90. 7 70. 4

Table 48.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED STATES: 1919.

		I	n establishm	ENTS WHERE	THE PREVAILIN	G HOURS OF I	ABOR PER WE	EK WERE-	
STATE.	Total.	44 and under.	Between 44 and 48.	48,1	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
United States	9,715 7,819 6,693	(2) 161 (2) (2)	1, 152 (2) (2)	5,041 106 101	1,719 1,246 283	1,019 2,383 1,813	520 3,847 3,840	103 211 656	26
Massachusetts	4,631 1,593	130	1, 152	1,934 1,465	1,142 96	226 32	47		1

¹ Includes 48 and under for 1914 and 1909.

TABLE 49.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED STATES: 1919.

	TC	TAL.						EST	ABLISHM	ENTS E	mpi.oyin	rG					
	Estab-		No wage earn- ers.	wage e inclu	o 5 arners, isive.	wage o	o 20 earners, isive.	wage	to 50 earners, isive	wagec	o 100 arners, isive.	wage e	to 250 earners, isive.	wage	to 500 earners, isive.		er 500 earners.
	Transmin ve	manner).	Estab- lish- ments.	Estab- lish- ments.	Wage carne r s.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wago earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	
United States1919 1914	252 236	9,715 7,819	11 8	73 71	208 211	84 88	949 1,027	42 37	1,362 1,211	23 20	1,666 1,496	13 8	1,771 1,243	3	1,092 311	3 3	2,667 2,320
Massachusetts	182 7	4,631 1,593	4	55 1	160 3	67	736	32 2	1,014 68	14 2	1,014 154	8	1,105	2	602	2	1,368

TABLE 50.—CHARACTER OF OWNERSHIP: 1919 AND 1914.

CHARACTER OF OWNERSHIP.	Cen- sus year.	of estab-	Average number of wage earners.	Value of products.	Value added by manu- facture.	CHARACTER OF OWNERSHIP.	Cen- sus year.	estab-	Average number of wage earners.	Value of	Value added by manu- facture,
All classes	1919 1914	252 236	9,715 7,819	\$161, 203, 310 59, 964, 523	\$27, 316, 034 8, 514, 025	Per cent distribution: Individual	1919 1914	38.9 48.3	11.5 16.4	7.6 12.0	11.3 17.9
Individual	1919 1914	98 114	1, 113 1, 283	12,314,937 7,174,374	3,074,040 1,527,538	Corporation	1919 1914	37.7 28.0	77.2 68.6	76.2 64.5	72. 2 60. 0
Corporation	1919 1914	95 66	7,504 5,362	122,796,117 38,685,147	19,716,473 5,110,849	All other	1919 1014	23, 4 23, 7	11.3 15.0	16, 2 23, 5	16.6 22.0
All other	1919 1914	59 56	1,098 1,174	26,092,256 14,105,002	4,525,521 1,875,638						

² Corresponding figures not available.

GENERAL TABLE.

Detailed statement, by states.—Table 51 presents the detailed statistics for the industry, by states, for 1919. TABLE 51.—DETAILED STATEMENT, BY STATES: 1919.

2				PERSON	s eng	aged	IN THE I	ndust	RY.			WAG NEAR	GE EARN EST REPR	ers de Esent	C. 15, ATIVE	OR DAY.				EXPE	ises.
				Sala-	Clerk	s, etc.		Wag	earne	ers.											
STATE,	Num- ber of estab-		Pro- prie-	ried offi- cers,				Num	ber, 1	ith d	ay of—		16 and	l over.	Und	er 16.	Ca	pital.	Sal	aries a	nd wages.
	lish- ments.	Total.	tors and firm mem- bers.		Male.	Fe- male.	Aver- age num- ber.	Maxi moi			imum onth.	Total.	Male.	Fe- male.	Male	Fe- male			Offi	cials.	Clerks.
United States	252	11, 512	234	536	385	642	9, 715	No 1	0, 354	Ap	9,190	10, 285	7,337	2,696	183	69	\$61, 7	47, 458	\$2, 11	7,633	\$1, 210, 59 3
Massachusetts	182 7 18 7 11 27	5, 331 1, 898 445 310 433 3, 095	183 3 17 3 10 18	229 84 21 22 17 163	141 48 19 11 29 137	147 170 10 6 10 299	4, 631 1, 593 378 268 367 2, 478	Oc No De No No	4, 871 1, 850 397 208 410	Ja Ja My Ja ¹ Jy	4,420 1,303 360 243 332	4,782 1,727 405 289 376 2,706	3,488 1,248 259 196 294 1,852	1,095 463 144 93 64 837	151 13 8 11	48 3 2 	$\begin{bmatrix} 3, 8 \\ 3, 4 \end{bmatrix}$	39, 186 82, 161 21, 884 13, 262 68, 755 22, 210	9	1,345 5,967 6,875 2,791 0,757 9,898	489, 408 193, 196 47, 519 15, 549 68, 881 396, 040
		expen	BES—C	onting	ed.											rowi	er.				
	Salari and			Rent	at bu	vac	Fo	r mate	wło la					-		Pri	mary	horsep	ower.		Elec-
STATE.	wages- Continu	ed.	or	,101107	ent va		FU	1 1111110			Valu prodi		Value added manufa	by			0	wned.			horse- power gener-
	Wage earner	con	tract ork.	Rent of	Fer st cor	axes, deral, ate, inty, ind cal.	Principal materials.		Fuel rent	of	,		ture.		Total.	en (eam gines not ur- nes).	Inter- nal- com- bus- tion en- gines.	Water pow- er.	Rent ed.4	ated
United States	\$9, 124, 7		, 808	\$ 369, 545	\$1,38	84, 147	\$133, 27	0, 830	\$616,	446	\$161, 20	3, 310	\$27,316,	034	9,00	3 1	, 765	43	2	7, 19	521
Massachusetts. Missouri New York Ohic Pennsylvania All other states 2	4, 452, 8 1, 565, 8 317, 8 197, 4 276, 0 2, 315, 6	194 155 111	, 808	275, 696 11, 940 21, 204 6, 984 7, 053 46, 068	20	98, 413 09, 676 20, 200 21, 569 02, 446 31, 753	69, 29 26, 18 2, 43 1, 09 8, 51 25, 74	1, 553 4, 632 2, 014 9, 755	186, 294, 11, 18, 18, 86,	230	11.07	14, 106 06, 415 38, 113 15, 003 73, 502 16, 171	16, 732, 2, 220, 841, 504, 2, 534, 4, 482,	939	3, 830 1, 300 330 320 490 2, 700	3	915 310 75 18 300 147	20 5 18	2	2, 901 999 255 303 193 2, 542	45

¹ Same number reported for one or more other months.
2 All other states embrace: Connecticut, 1 establishment; Illinois, 7; Kansas, 1; Maine, 2; Maryland, 1; Michigan, 2; Minnesota, 2; New Hampshire, 7; New Jersey, 2; Rhode Island, 1; and Virginia, 1.
3 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
4 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

BOOT AND SHOE FINDINGS.

GENERAL STATISTICS.

General character of the industry.—Establishments classified in this industry are those engaged primarily in the manufacture of pegs, bows, clasps, tips, toe caps, buckles, rands, staples, backstays, shanks, heels, arch supporters, box toes, shoe tacks, and other findings for the boot and shoe trade. The establishments are exclusive of those which manufacture the same articles in connection with the manufacture of boots and shoes.

In addition to the 427 establishments in this industry in 1919, reporting products to the value of \$62,825,408, there were 16 establishments engaged primarily in the manufacture of other products which reported boot and shoe findings to the value of \$3,197,047.

Comparative summary.—Table 52 presents the principal statistics for the industry for each census year from 1879 to 1919. On account of the general increase in prices since 1914 the increases in the financial items can not be used to measure the progress of the industry. The increases in average number of wage earners employed and in power used show considerable growth.

Wage earners, by months.—The figures given in Table 53 show the steadiness of employment or the reverse during the year. There was slightly greater fluctuation in employment in 1919 than in 1914. In 1919 the number of wage earners for the month of minimum employment was 76.4 per cent of the number for the maximum month. The industry employs a fairly large number of female wage earners, 35.5 per cent of the wage earners being females.

Size of establishments, by prevailing hours of labor per week.—In Table 54 the average number of wage earners per week are classified according to the hours of labor prevailing in the establishments in which they were employed. At the censuses of 1909 and 1914, of the total number of wage earners, 70.1 per cent and 50.9 per cent, respectively, were in establishments where the working hours were over 54 per week, but

at the census of 1919 only 9.5 per cent of the total number worked these hours. In 1919, 59.5 per cent of the wage earners were in establishments where the prevailing hours were 48 or less, whereas the proportions were insignificant at the earlier censuses. In Massachusetts, which state employed 65.9 per cent of the wage earners in the industry, the largest group, or 44.4 per cent, of the wage earners worked 48 hours and 68.2 per cent of the total for the state were in establishments where the prevailing hours were 48 or less.

Size of establishments, by average number of wage earners.—Table 55 classifies the establishments according to number of wage earners. Nearly three-fourths of the establishments in this industry either employed no wage earners or not more than 20. The average number of wage earners per establishment in 1914 was 18, and in 1919, 21. The proportion of establishments employing more than 50 wage earners increased slightly, from 8.4 per cent in 1914 to 9.8 per cent in 1919, and the wage earners in these groups formed 47.8 per cent of the total number in 1914 and 50.5 per cent in 1919. In Massachusetts, the leading state, nearly two-thirds of the establishments employed no wage earners or not more than 20.

Character of ownership.—Table 56 shows that the corporations represented about one-third of the establishments in this industry, but they reported more than one-half of the total value of products and of the total number of wage earners employed. The average value of products per establishment in 1919 was \$243,000 for the "Corporation" group, \$63,000 for the "Individual," and \$155,000 for the "All other" group, most of the last being firms. In 1914 the corresponding figures were \$154,000, \$36,000, and \$68,000, respectively. The average numbers of wage earners per establishment in 1919 were 35 for corporations, 10 for individuals, and 20 for the "All other" group.

MANUFACTURES.

TABLE 52.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, 1899, 1889, AND 1879.

									PER (CENT OF	INCREA	SE.1	
	1919	1914	1909	1904	181	1889	1879	1914- 1919	1909- 1914	1904- 1909	1899- 1904	1889- 1899	1879- 1889
Number of establishments	427	369	343	280	312	455	216	15.7	7.6	18.7	-7.4	-31.4	110.6
Persons engaged. Proprietors and firm members Salaried employees Wage earners (average number)	10,615 424 1,250 8,941	7,948 381 853 6,714	7,541 365 688 6,488	5,066 342 290 4,434	(2) (2) 227 3,246	(2) (2) (2) (3, 434	(2) (2) (2) 1,935	33.6 11.3 46.5 33.2	5. 4 4. 4 24. 0 3. 5	48.9 6.7 137.2 46.3	27. 8 36. 6	(⁸)	(3)
Primary horsepower	10,682 \$28,088,416	5,868 \$12,562,864	5,637 \$9,498,870	3, 229 \$4, 425, 610	2,843 \$3,540,839	1,987 \$3,009,149	(2) \$980,064	82. 0 130. 7	4.1 32.3	74.6 114.6	13, 6 25, 0	43.1 17.7	207.0
Salaries and wages Salaries	2,618,598	4, 258, 527 1, 032, 844 3, 225, 683	3,646,199 699,116 2,947,083	1,920,713 272,836 1,647,877	1,438,317 185,826 1,252,491	1,670,273 (2) (2)	621, 500 (2) (2)	153. 7 153. 5 153. 8	16.8 47.7 9.5	89. 8 156. 2 78. 8	33.5 46.8 31.6	-13.9	168.7
Paid for contract work. Rent and taxes. Cost of meterials. Value of products. Value added by manufacture b.	1.473.089	111,582 322,910 20,304,183 28,303,186 7,999,003	144, 528 239, 141 18,350, 551 25,505, 419 7,154,868	81,830 4 118,290 6,337,810 9,904,887 3,567,077	(2) (2) 5,022,591 7,834,615 2,812,024	(2) (2) 3,868,099 6,805,330 2,937,231	(2) (2) 1,636,921 2,935,787 1,298,866	653. 1 356. 2 99. 1 122. 0 180. 0	-22.8 35.0 10.6 11.0 11.8	76.6 102.2 189.5 157.5 100.6	26. 2 26. 4 26. 0	29.8 15.1 -4.3	

A minus sign (—) denotes decrease.
 Figures not available.
 Figures not strictly comparable.

TABLE 53.-WAGE EARNERS, BY MONTHS: 1919.

[Month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures.]

	Average number		NUME	ER EMPL	OYED ON	15 TH DAY	OF THE	MONTH O	R NEARES	T REPRES	ENTATIVE	DAY.		Per
STATE,	em- ployed	January.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.	mini- mum is of maxi- mum.
United States: 1919. Males. Females. 1914.	8,941	7,816	8,150	8, 217	8,447	8,486	8,762	8,900	9,242	9,493	9,588	9,957	10, 223	76, 4
	5,763	4,974	5,174	5, 208	5,359	5,385	5,627	5,721	5,965	6,153	6,272	6,527	6, 791	73, 2
	3,178	2,841	2,982	3, 009	3,088	3,101	3,135	3,185	3,277	3,340	3,316	3,430	3, 432	82, 8
	6,714	7,617	7,476	7, 169	6,825	6,631	6,309	6,272	6,449	6,252	6,336	6,496	6, 736	82, 1
	6,488	6,274	6,381	6, 487	6,265	6,308	6,441	6,408	6,645	6,572	6,524	6,682	6, 876	91, 1
Massachusetts. Missouri. New York.	5,896	5,291	5, 495	5, 538	5,639	5,565	5,772	5,848	6,036	6,184	6,326	6, 457	6, 601	80. 2
	484	400	<i>398</i>	421	420	427	426	475	523	529	548	612	620	04. 2
	675	587	649	618	655	651	647	664	706	707	689	747	780	75. 3

Table 54.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED STATES: 1919.

			IN EST	Pablishments	WHERE THE P	REVAILING HO	URS OF LABOR	PER WEEK W	rere-
	STATE. ed States		44 and under.	Between 44 and 48.	48.1	Between 48 and 54.	54.	Between 54 and 60.	60-
United States		8,041 6,714 6,488	773 (2) (2)	(2) (2)	3, 209 392 52	2, 203 646 199	565 2,257 1,689	489 3,252 4,248	360 167 300
Massachusetts		5,890 484 675	269 278 195	1,134 188	2,619 99 133	1,234 94 100	226 13 2	130 57	284

¹ Includes 48 and under for 1914 and 1909.

TABLE 55.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED STATES: 1919.

STATE.	то	TAL.	ESTABLISHMENTS EMPLOYING—													
	Estab-	Wage earners	No wage earn- ers.	wa earr	o 5 age aers, asive.	ear	to 20 age ners, usive.	21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		W	er 250 age ners.	
		number).	Estab- lish- ments.	Estab- lish- ments.	Wage earn- ers.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wild	Estab- lish- ments.	Wage earners.	
United States1919 1914	427 369	8, 941 6, 714	30 26	145 146	357 395	137 106	1,665 1,212	73 60	2, 406 1, 895	25 22	1,736 1,474	14 7	1,941 1,054	3 2	836 684	
Massachusetts Missouri New York	254 12 77	5,896 484 675	10 14	67 5 36	174 16 81	92 3 20	1, 132 35 237	61 1 5	1, 966 31 196	14 2 2	958 139 161	9	1,382	1	284 263	

⁴ Exclusive of internal revenue. ⁵ Value of products less cost of materials.

² Corresponding figures not available.

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BOOT AND SHOE FINDINGS.

TABLE 56.—CHARACTER OF OWNERSHIP: 1919 AND 1914.

CHARACTER OF OWNERSHIP.	Con- sus year.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.	CHARACTER OF OWNERSHIP.		Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.	
All classes	1919 1914	427 369	8,941 6,714	\$62,825,408 28,303,186	\$22, 397, 061 7, 999, 003	Per cent distribution: Individual	1919	40.7	18, 9	17.5 21.4	17. 3 23. 7	
Individual	1919 1914	174 169	1,691 1,601	11,015,577 6,068,976	3, 882, 232 1, 895, 641	Corporation	1914 1919 1914	45. 8 33. 5 27. 4	23.8 56.3 49.3	55. 4 54. 9	23. 7 56. 7 46. 8	
Corporation	1919 1914	143 101	5,038 3,311	34,803,174 15,541,480	12, 688, 448 3, 740, 246	All other	1919 1914	25. 8 26. 8	24.7 26.8	27, 1 23, 6	26. 0 29. 5	
All other	1919 1914	110 99	2,212 1,802	17,006,657 6,692,730	5, 826, 381 2, 363, 116				20.0		20.0	

GENERAL TABLE.

Detailed statement, by states.—Table 57 gives the detailed statistics for the industry, by states, for 1919. TABLE 57.—DETAILED STATEMENT, BY STATES: 1919.

				PERSON	S ENG	AGED	IN THE II	NDUSTRY.			WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.							expenses.		
	Num-			Sala- ried	Clerk	s, etc.		Wage earn	ers.			16 8	nd ove	. U n	ler 16.		Sa	laries an	d wages.	
STATE,	ber of estab- lish- ments.	Marta 1	Pro- prie- tors	offi- cers, super-				Number, 1	5th de	y of						Capita	ıl.			
	inents.	Total	l. and firm mem bers.	ents,	Male.	Fe- male.	Aver- age num- ber.	Maximum month.		dmum onth.	Total.	Ma	le. F	Mai	Fe- male			fficials.	Clerks, etc.	
United States	427	10, 61	5 424	522	344	384	8, 941	De 10,223	Ja	7,815	10, 188	6, 5	45 3, 3	15 172	156	\$ 28, 988,	\$ 16 \$ 1	783, 472	\$885, 126	
Maine Massachusetts Michigan Missouri Now Jersey New York Pennsylvania Rhode Island Wisconsin All other states 2	254 3 12 5 77 16 9 9	31 6, 86 1 64 7 88 22 12 20 1, 20	8 245 5 0 1 10 4 2 88 81 84 27 1 6 64 6	1 30 10 62 11 8 10	7 158 84 3 39 10 10 6 27	13 243 33 2 31 18 6 4 34	279 5,896 8 • 484 57 675 158 91 238 1,055	De 424 De 6,601 Oc 1 13 De 620 Jy 66 De 780 No 1 192 De 102 De 257	Ja Ja Ap Fe Ja Ja Fe Jy Ja	211 5, 291 3 398 38 587 124 82 211	366 6, 620 13 620 59 784 194 100 258 1, 174	4,2 4 5 1	58 2, 1 10 25 1 26 88 1 29 42 34	17 39 118 32 24 33 88 6 32 1 56 2 74 20 31 4	9 2 2 30	955, 18, 485, 41, 3, 039, 230, 1, 673, 626, 216, 947, 2, 770,	543 816 503 708 995	57, 877 ,191, 032 1, 500 60, 822 21, 831 191, 517 18, 356 23, 902 22, 986 143, 649	21, 510 465, 351 169, 279 9, 155 58, 017 36, 003 15, 884 9, 796 100, 131	
		,	1	EXPENSE	es—cor	tinuec	l.				<u>'</u>		,		<u></u>	POWER		!	I	
	Salar			Rent	and to	xes,	Forn	naterials.						I	rimary	horsepo	Elec-			
ያፒ ፈጥፑ.	wages	and wages— Con.							Value of		Valu added	e bv			0	wned.		1	tric horse- power	
STATE,	cor		For ontract work,	Rent of			Princip materia		products.		manufe ture	ac-	Total.	Steamengin (not to bines	es tu	r- bus-	Water pow- er.3	Rent- ed.4	gener- ated in estab- lish- ments report- ing.	
United States	\$8, 187,	196 \$8	840, 302	\$ 403, 588	\$1,00	9, 501	\$40, 017, 4	75 \$410,872	\$62,	825, 408	\$22, 397,	081	10, 682	3,50	7 1	15 40	460	6, 560	1,053	
Maine. Massachusetts. Michigan Missouri. New Jersey. New York. Pennsylvania. Rhode Island. Wisconsin. All other states ² .	5, 646, 8, 424, 40, 698, 139,	725 (801 488 (665 613 412 591 114	12, 026 29, 302 75, 784 23, 556 8, 781	1, 240 288, 671 168 7, 192 1, 897 67, 678 13, 586 3, 061 3, 912 16, 183	66	7, 726 15, 409 268 16, 776 14, 663 15, 159 934 4, 059 7, 525 16, 982	366, 7 28, 128, 8 22, 2 3, 391, 3 150, 3 2, 513, 0 986, 1 141, 9 954, 1 3, 356, 7	06 32,368 04 13,245 43 4,613 43 14,065	805, 495 44, 357, 147 40, 455 4, 575, 910 360, 097 4, 464, 140 1, 489, 090 381, 476 1, 324, 961 5, 026, 638		,455 16, 910 1,170, 097 199, 140 1,918, 090 489, 475 234, 961 356,		709 6, 572 22 416 72 798 198 44 293 1, 558		5	15 28 10 2 20 00	150 135 50	4, 264 22 416 10 743 188 42 73	200	

Same number reported for one or more other months.
 All other states embrace: California, 1 establishment; Colorado, 1; Illinois, 5; Kentucky, 3; Maryland, 2; Minnesota, 2; New Hampshire, 13; Ohio, 6; Texas, 2; and Washington, 1.
 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

LEATHER GLOVES AND MITTENS.

GENERAL STATISTICS.

General character of the industry.—This industry comprises establishments making gloves, mittens, and gauntlets of leather or of materials of which leather forms the larger part. There were 355 establishments which reported leather gloves, mittens, and gauntlets as the product of chief value in 1919, with products valued at \$46,940,511, including gloves, \$44,831,777 and allied or incidental products, \$2,108,734. In addition to this production, gloves valued at \$3,175,014 were made in 22 establishments, engaged primarily in the manufacture of other products.

Comparative summary.—Table 58 presents the principal statistics for the industry for 1919, 1914, 1909, 1904, and 1899. Although the financial statistics for 1919 show large increases over previous censuses, they are largely the result of the general increase in prices. The increase in the average number of wage earners employed was insignificant and the increase in the quantity of output only moderate.

Principal states, ranked by value of products.—In Table 59 statistics are presented for value of products, average number of wage earners, and value added by manufacture for each state that can be shown, ranked according to value of products. New York, which has always been the leading state, reported 57.1 per cent of the total value of products, a slight decrease from 59.4 per cent in 1914 and from 60.7 per cent in 1909. The state of Wisconsin has ranked second in the industry since the census of 1904.

Fulton County, New York.—Fulton County, New York, has always been the center of the glove industry in the United States, and with a few exceptions the establishments are located in Gloversville and Johnstown. Table 60 shows the principal statistics for Fulton County and these cities. There has been a slight but gradual decrease in the proportion of the total for the United States. This loss shows for the county and for each city in the proportion of the quantity and value of the products for the three census years and also in the wage earners employed. Furthermore, the statistics for Fulton County show for the decade 1909-1919 in regard to quantity of output and wage earners employed, a decrease of 26.1 per cent in pairs of gloves and 12.7 per cent in the average number of wage earners.

Persons engaged in the industry.—The age classification of the average number of wage earners in Table 61 was found by the method described in the "Explanation of terms." The industry is one requiring much machine sewing and women are generally em-

ployed in this capacity. More than half of the wage earners reported at each of the censuses shown were females. Statistics for persons engaged in the industry will be found for states in Table 73.

Wage earners, by months.—The figures given in Table 62, which shows the number of wage earners employed by months, reflect the steadiness of employment, or the reverse, during the census year. There was less fluctuation throughout the industry in 1919 than in 1914. The number employed in the minimum month in 1919 was 85.9 per cent of the maximum, and in 1914, 72.6 per cent. Of the states shown, Illinois reported the largest proportion of female wage earners, 66.1 per cent, and New York the smallest, 50.2 per cent.

Prevailing hours of labor.—Of the total number of wage earners in 1909, only 4.9 per cent were employed in establishments where the prevailing hours of labor per week were 48 or less, and in 1914, 9.7 per cent; but in 1919 the proportion was 33.7 per cent. On the other hand, Table 63 shows that the proportion of the total number of wage earners employed in establishments where the working hours per week were more than 54 decreased from 78.1 per cent in 1909 to 31.4 per cent in 1914 and to 15.2 per cent in 1919.

Size of establishments, by average number of wage earners.—Table 64 shows a classification of establishments according to the average number of wage earners employed. The figures show no marked change in size of establishments measured by the number of wage earners. In both 1919 and 1914 approximately one-third of the establishments, those employing no wage earners or not more than 5 per establishment, reported but 2.4 per cent of the wage earners; and about 7 per cent of the establishments in 1919 and 1914 had over 100 wage earners each and reported 41 and 46.3 per cent, respectively, of the total number.

Size of establishments, by value of products.—Table 65 shows a classification of establishments based upon value of products. In 1909 the average value of products was approximately \$62,700; in 1914, \$61,400; and in 1919, \$132,200 per establishment, the increase in 1919 being fundamentally due to the general advance in values. This accounts for the shifts to higher groups as compared with 1914.

Character of ownership (Table 66).—This industry is one in which the majority of the establishments are not incorporated, but the corporations constitute the more important establishments both in value of products and average number of wage earners per

establishment. The value of products per establishment for the corporations was \$216,121 compared with \$51,386 for establishments owned by individuals and \$156,261 for establishments under other forms of ownership, chiefly firms. The corporations reported an average of 53 wage earners per enterprise, the group "Individual" 10, and the group "All other," 33. In New York, which dominates the industry, 50 of the 219 establishments, or 22.8 per cent, were corporations, but in Wisconsin, the second state, 57.1 per cent of the establishments were incorporated, in Illinois, 38.7 per cent, and in California, 40.7 per cent.

Number and horsepower of types of prime movers.— Table 67 gives the power statistics for the industry. The owned horsepower shows a decrease of 36.6 per cent as compared with 1914, offset in the main by rented power, chiefly electric power, which increased more than 50.5 per cent, the total primary power showing a small decrease. Of the total primary power, 62.8 per cent was utilized in the form of electric power, purchased or generated, in 1919; 45.1 per cent in 1914; and 34.6 per cent in 1909.

Fuel consumed.—Table 68 shows the quantity of fuel used, by kinds. The figures for gas include both manufactured and natural gas.

TABLE 58.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	3					PER CENT OF INCREASE,2					
	1919	1914	1909	1904	18991	1914- 1919	1909- 1914	1904- 1909	1899- 1904		
Number of establishments	355	352	377	339	381	0.9	-6.6	11.2	11.0		
Persons engaged. Proprietors and firm members. Salaried employees	12,594 405 1,504 10,685	12,345 417 1,260 10,608	12,950 458 1,138 11,354	11,712 427 640 10,645	15, 325 508 637 14, 180	$ \begin{array}{c} 2.0 \\ -2.0 \\ 19.4 \\ 0.2 \end{array} $	-4.7 -9.0 10.7 -6.0	10.6 7.3 77.8 6.7	-23.6 -15.9 0.5 (3)		
Primary horsepower	3,288 \$29,870,277	3,357 \$17,080,398	2,889 \$16,908,671	2,725 \$10,705,599	2, 114 \$9, 004, 427	-2.1 74.9	16. 2 1. 0	6.0 57.9	28. 9 18. 9		
Salaries and wages	\$11,248,830 \$3,098,046 \$8,150,784	\$5,958,695 \$1,400,335 \$4,558,360	\$6,019,872 \$1,256,042 \$4,763,830	\$4, 424, 826 \$584, 573 \$3, 840, 253	\$4,695,296 \$544,170 4,151,123	88.8 121.2 78.8	-1.0 11.5 -4.3	30.0 114.9 24.0	-5.8 7.4 (3)		
Paid for contract work. Rent and taxes. Cost of materials Value of products. Value added by manufacture ⁵ Gloves, mittens, and gauntlets, manufactured, dozen pairs.	\$1,559,224 \$1,004,330 \$20,286,129 \$46,940,511 \$20,654,382 3,615,703	\$927, 164 \$193, 769 \$12, 170, 694 \$21, 614, 109 \$9, 443, 415 3, 082, 376	\$992, 216 \$167, 417 \$13, 208, 001 \$23, 630, 598 \$10, 422, 597 3, 368, 655	\$393,723 4 \$106,351 \$10,000,889 \$17,740,385 \$7,739,496 3,370,146	\$93,795 4 \$109,354 \$9,382,102 \$16,721,234 \$7,339,132 2,895,601	68.2 418.3 116.0 117.2 118.7 17.3	-6.6 15.7 -7.9 -8.5 -9.4 -8.5	152.0 57.4 32.1 33.2 34.7	(a) -2.7 6.6 6.1 5.5		

Figures given for 1899 represent leather gloves and mittens only, and do not agree with the general statistics for that year.
 A minus sign (—) denotes decrease.
 Figures not strictly comparable.

TABLE 59.—PRINCIPAL STATES, RANKED BY VALUE OF PRODUCTS: 1919.

STATE.	Num- ber of estab- lish- ments.	WAGE	EARNI	ers.	VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.				37	WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
		Avorage number.	Per cent dis- tri- bu- tion.	Rank.	Amount (ex- pressed in thou- sands).	cent dis- tri- bu-	Rank.	Amount (ex- pressed in thou- sands).	cent dis- tri- bu-	Rank.	STATE.	Num- ber of estab- lish- ments.	Aver-	Per cent dis- tri- bu- tion.	Rank.	Amount (ex- pressed in thou- sands).	Per cent dis- tri- bu- tion.	Rank.	Amount (ex- pressed in thou- sands).	dis- tri- bu-	Rank.
United States.	355	10, 685	100.0		\$ 46, 941	100.0		\$20,654	100.0		Pennsylvania Virginia	6	112 62	1.0	9 14	\$345 252	0.7 0.5	9 11	\$95 61	0.5 0.3	13 16
New York	28 31	5,510 1,728 1,239 665 290 213	51.6 16.2 11.6 6.2 2.7 2.0	1 2 3 4 5 8	26,763 6,773 5,423 2,049 1,520 588	57.0 14.4 11.6 4.4 3.2 1.3	1 2 3 4 5 8	12, 196 2, 506 2, 349 1, 193 767 213	59.0 12.1 11.4 5.8 3.7 1.0	1 2 3 4 5 8	Washington Massachusetts All other states 1	7 5 18	46 50 770	0.4 0.5 7.2	17 16	\$345 252 244 225 2,759	0.5 0.5 0.5 5.9	12 14	112 89 1,073	0.5 0.4 5.2	11 14

¹ Includes New Hampshire and Minnesota ranking 6 and 7, respectively, Ohio 10 and Maryland 13, according to value of products.

<sup>Exclusive of internal revenue.
Value of products less cost of materials.
Less than one-tenth of 1 per cent.</sup>

TABLE 60.—COMPARATIVE SUMMARY FOR FULTON COUNTY, NEW YORK: 1919 AND 1914.

	F	ULTON COUNT	ry, n.	<u></u> У.			GLOVERSV	ILLE.				JOHNSTOT	VN.		
	1919	1914		ent of nited 8		1919	1914		ent of nited 8		1919	1914	Per e for U	ent of lited S	total tates.
			1919	1914	1909			1919	1914	1909			1919	1914	1909
Number of establishments	154	153	43.4	43, 5	41,4	102	93	28.7	26, 4	23.1	42	50	11.8	14.2	14.3
Persons engaged	5,279 72 457 4, 760	5,733 207 553 4,973	41.9 17.8 30.4 44.5	46, 4 49, 6 43, 9 46, 6	47.9 49.3 47.2 47.9	3,590 51 417 3,122	3,972 122 375 3,475	28.5 12.6 27.7 29.2	32. 2 29. 3 29. 8 32. 6	32. 6 25. 5 35. 2 32. 6	1,399 16 183 1,200	1,466 70 155 1,241	11.1 4.0 12.2 11.2	11, 9 16, 8 12, 3 11, 6	12, 3 18, 6 10, 5 12, 3
Primary horsepowerCapital	795 \$16,291,210	925 \$8,452,501	24. 2 54. 5	27. 5 49. 5	28.8 57.4	493 \$11,271,204	\$5,806,533	15.0 37.7	19.2 34.0	19.2 38.1	251 \$4,058,463	\$2,170,872	7.6 13.6	4.9 12.7	5, 6 16, 1
Salaries and wages Salaries. Wages	\$5,266,953 \$1,617,903 \$3,649,050	\$2,857,538 \$612,396 \$2,245,142	46.8 52.2 44.8	48.0 43.7 49.3	50.7 44.6 52.3	\$3,777,813 \$1,155,723 \$2,622,080	\$1,971,259 \$414,778 \$1,556,481	33.6 37.3 32.2	33.1 29.6 34.1	36.3 36.6 36.3	\$1,252,468 \$416,231 \$836,237	\$733,852 \$171,652 \$562,200	11. 1 13. 4 10. 3	12, 3 12, 3 12, 3	11.7 7.0 12.9
Paid for contract work. Rent and taxes. Cost of materials. Value of products. Value added by manufacture ² . Gloves, mittens, and gauntlets, manufactured, dozen pairs.	\$1,345,636 \$183,860 \$12,582,133 \$22,829,219 \$10,247,086 1,203,631	\$860, 247 \$45, 934 \$6, 103, 592 \$11, 010, 247 \$4, 906, 655 1,282,027	86. 3 18. 3 47. 9 48. 6 49. 6	92.8 23.7 50.1 50.9 52.0 41.6	(1) (1) 55.3 54.7 54.0 48.3	\$821,372 \$132,501 \$8,451,095 \$15,797,811 \$7,346,716 788,318	\$594,857 \$27,915 \$4,080,043 \$7,309,017 \$3,228,974 781,081	52.7 13.2 32.2 33.7 35.6	64. 2 14. 4 33. 5 33. 8 34. 2 25. 3	(1) (1) 37.5 37.5 37.6 29.3	\$238, 141 \$42,750 \$3,380, 118 \$5,739,867 \$2,359,749 308, 239	\$210,242 \$16,523 \$1,535,922 \$2,914,259 \$1,378,337 348,851	15.3 4.3 12.9 12.2 11.4 8.5	22.7 8.5 12.6 13.5 14.6	(1) (1) 14, 2 13, 8 13, 2 12, 2

¹ Figures not available.

TABLE 61.—PERSONS ENGAGED IN THE INDUSTRY: 1919, 1914, AND 1909.

	Cen-	m-4-1		Fe-	PER OF T	CENT OTAL.		Cen-	m - t - 1	35.15	Fc-	PER (
CLASS.	sus year.	Total.	Male,	male.	Male.	Fe- male.	CLASS.	sus year.	Total.	Male.	male.	Male.	Fe- male,
All classes	1919 1914 1909	12,594 12,345 12,950	6,088 6,045 6,219	6,506 6,300 6,731	48, 3 49, 0 48, 0	51.7 51.0 52.0	Clerks and other subordinate salaried employees.	1919 1914 1909	889 903 836	601 570 532	288 333 304	67. 6 63. 1 63. 6	32.4 36.9 36.4
Proprietors and officials	1919 1914 1909	1,020 774 760	938 740 714	82 34 46	92.0 95.6 93.9	8.0 4.4 6.1	Wage earners (average number)	1919 1914 1909	10,685 10,668 11,354	4,549 4,735 4,978	6,136 5,933 6,381	42.6 44.4 43.8	57.4 55.6 56.2
Proprietors and firm members.	1914 1909	405 417 458	391 399 436	14 18 22	96.5 95.7 95.2	3.5 4.3 4.8	16 years of age and over	1919 1914 1909	10,237 10,504 11,086	4,364 4,689 4,846	5,873 5,815 6,239	42.6 44.6 43.7	
Salaried officers of corporations	1919 1914 1909	212 109 85	201 108 81	11 1 4	94, 8 99, 1 95, 3	5.2 0.9 4.7	Under 16 years of age	1919 1914 1909	448 164 269	185 46 127	263 118 142	41.3 28.0 47.2	58.7 72.0 52.8
Superintendentsand managers	1919 1914 1909	403 248 217	346 233 197	57 15 20	85.9 94.0 90.8	14.1 6.0 9.2					-1		

TABLE 62.—WAGE EARNERS, BY MONTHS, FOR SELECTED STATES: 1919.

[The month of maximum employment for each state is indicated by bold-faced figures and that of minimum employment by italic figures.]

	Aver- age		NUMI	ER EMPL	OYED ON	15th day	OF THE	монтн о	R NEARE:	ST REPRES	ENTATIV	E DAY.		Per cent
STATE.	num- ber em- ployed during year.	Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	November.	Decem- ber.	mini- mum is of maxi- mum.
United States: 1919. Males. Formales. 1914.	10, 685 4, 549 6, 136 10, 668 11, 354	10, 175 4, 151 6, 024 11, 762 10, 659	10,044 4,199 5,845 11,745 10,985	9,984 4,207 6,777 11,791 11,145	10,046 4,257 5,789 11,573 11,139	10,190 4,374 5,816 11,379 11,188	10, 515 4, 534 5, 981 11, 348 11, 333	10, 887 4, 670 6, 217 11, 012 11, 299	11, 125 4, 780 6, 345 11, 059 11, 372	11, 042 4, 700 6, 342 9, 788 11, 590	11, 286 4, 879 6, 407 9, 417 11, 583	11,303 4,842 6,461 8,661 11,961	11, 623 4, 995 6, 628 8, 581 12, 007	85, 9 83, 1 87, 2 72, 6 88, 8
California. Illinois New York. Wisconsin. States showing large proportion of females.	665 1, 239 5, 510 1, 728	595 1,278 4,908 1,972	598 1,245 5,092 1,748	603 1,189 5,167 1,694	652 1,198 5,250 1,626	656 1,152 5,389 1,616	636 1,160 5,574 1,673	681 1,244 5,660 1,692	702 1,281 5,785 1,699	709 1,252 5,695 1,706	711 1,266 5,833 1,767	714 1,241 5,838 1,764	723 1,428 5,929 1,779	82,3 79,3 82,8 81,9 Per ct. av. is
females. California Illinois New York Wisconsin	397 819 2,764 1,136	\$70 867 \$,526 1,313	\$70 839 2,590 1,153	378 785 2,623 1,127	401 748 2,655 1,082	400 753 2,701 1,078	381 755 2,794 1,105	406 801 2,816 1,116	411 843 2,879 1,102	418 823 2,857 1,110	407 840 2,870 1,160	408 819 2,914 1,143	414 957 2,943 1,148	69.7 66,1 50.2 65.7

² Value of products less cost of materials.

Table 63.—Average number of wage earners, by prevailing hours of labor per week, by states: 1919 and 1914.

	Canada		in est.	ABLISHMENTS V	WHERE THE PI	EVAILING HOU	RS OF LABOR	PER WEEK WI	ere—
STATE.	Census year.	Total.	44 and under.	Between 44 and 48.	48,1	Between 48 and 54.	54.	Between 54 and 60.	60 and over.
United States	1919 1914 1909	10,685 10,668 11,354	1,190 (2) (1)	1, 111 (2) (2)	1,295 1,030 555	3,357 2,229 1,017	2,108 4,063 917	1,461 3,044 7,743	163 302 1,122
California	1919	665	161	261	139	102	2		
Illinols	1919 1914	1,239 1,371	(²) 161	450 (1)	12 125	603 63	13 306	872	
New York	1919 1914	5, 510 6, 026	(2) (42	(³)	471 256	1, 281 1, 255	1, 857 2, 895	1,018 1,008	131 12
Wisconsin	1919 1914	1,728 1,711	101 (²)	265 (¹)	213 224	699 384	24 551	426 381	171

¹ Includes 48 and under for 1914 and 1909.

Table 64.—Size of establishments, by average number of wage earners, by states: 1919.

	то	TAL.		- Harris			EST	ABLISHA	ients e	MPLOYI	₹G—				
STATE.	Estab-	Wage earners	No wage earn- ers.	ear	co 5 age ners, asive.	ear	o 20 age aers, asive.	eari	o 50 ige iers, isive.	ear	o 100 age ners, asive.	ear	to 250 age ners, isive.	W	r 250 age aers.
	ments.	(average number).	Estab- lish- ments.	Estab- lish- ments.	Wage carners.	Estab- lish- ments.	Wage carners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.
United States	355 352	10,685 10,668	23 24	94 106	260 257	108 107	1,349 1,233	73 53	2,587 1,706	31 37	2, 104 2, 537	22 21	3, 183 3, 293	4 4	1,202 1,642
California Illinois New York Wisconsin.	27 31 219 28	065 1,239 5,510 1,728	1 18 18	9 3 64 2	20 10 174 7	5 15 67 9	62 203 822 113	11 7 40 5	372 257 1,417 191	2 17 5	119 1,089 356	1 2 11 5	211 244 1,466 807	1 2 1	406 642 254

TABLE 65.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.		JMBER LISHME			GE NUMBI BE EARNEI		VA	LUE OF PRODU	CTS.	VALUE ADI	DED BY MANU	FACTURE.
TABLE OF TROBUST.	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes	355	352	377	10,685	10,668	11,354	\$46, 940, 511	\$ 21,614,109	\$23,630,598	\$20,654,382	\$ 9, 443, 415	\$10, 422, 597
Less than \$5,000. \$5,000 to \$20,000. \$20,000 to \$100,000. \$100,000 to \$500,000. \$500,000 to \$1,000,000. \$1,000,000 and over.	29 72 130 103 17 4	67 108 115 59 2 1	77 117 123 } 60	16 222 1,802 5,072 2,371 1,202	72 613 2,943 } 17,040	131 683 3,089 7,451	75,280 852,245 6,902,001 22,241,162 11,622,163 5,247,660	162,783 1,279,224 5,205,684 } 114,966,418	201,786 1,339,783 5,751,826 16,337,203	43, 528 445, 485 3, 247, 985 9, 572, 471 4, 729, 102 2, 615, 816	89, 311 605, 053 2, 408, 240 } 1 6, 340, 811	111, 969 703, 097 2, 057, 434 6, 950, 097
•							PER CENT D	istribution.			·	
All classes	100.0	100.0	100.0	100.0	100.0	100, 0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000 . \$5,000 to \$20,000 . \$20,000 to \$100,000 . \$100,000 to \$100,000 . \$500,000 to \$1,000,000 . \$1,000,000 and over .	20.3 36.6 29.0 4.8	19. 0 30. 7 32. 7 16. 7 0. 6 0. 3	20. 4 31. 0 32. 6 } 15. 9	0.1 2.1 16.9 47.5 22.2 11.2	0.7 5.7 27.6 66.0	1, 2 6. 0 27. 2 65. 6	0, 2 1, 8 14, 7 47, 4 24, 8 11, 2	0, 8 5, 9 24, 1 69, 2	0. 9 5. 7 24. 3 69. 1	0. 2 2. 2 15. 7 46. 3 22. 9 12 7	0. 9 6. 4 25. 5 87. 1	1.1 6.7 25.5 66.7

¹ Includes the group "\$1,000,000 and over."

² Corresponding figures not available.

Table 66.—CHARACTER OF OWNERSHIP: 1919, 1914, AND 1909.

CHARACTER OF OWNERSHIP.	Cen- sus year.	Num- ber of estab- lish- ments.	Average number of wago earners.	Value of products.	Value added by manufac- ture.	CHARACTER OF OWNERSHIP.	Cen- sus year.	estab-	Average number of wage earners.	Value of products.	Value added by manufac- ture,
All classes	1919 1914 1909	355 352 377	10,685 10,668 11,354	\$46,940,511 21,614,109 23,630,598	\$20,654,382 9,443,415 10,422,597	Per cent distribution: Individual	1919 1914 1909	40.3 48.3 50.4	13.9 17.8 18.8	15.7 16.3 17.9	16.6 17.7 18.6
Individual	1919 1914 1909	143 .170 190	1,485 1,889 2,135	7, 348, 256 3, 518, 008 4, 222, 329	3,428,776 1,672,280 1,936,560	Corporation	1919 1914 1909	30.4 22.7 19.4	53.9 45.1 41.6	49.7 44.2 42.8	50.3 43.8 41.5
Corporation	1919 1914 1909	108 80 73	5,757 4,815 4,723	23,341,063 9,544,230 10,106,657	10,394,305 4,137,744 4,325,226	All other	1919 1914 1909	29.3 29.0 30.2	32. 2 37. 2 39, 6	34. 6 39. 6 39. 4	33, 1 38, 5 39, 9
All other	1919 1914 1909	104 102 114	3,443 3,964 4,496	16, 251, 192 8, 551, 871 9, 301, 612	6,831,301 3,633,391 4,160,811						

Table 67.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

	NUMBER O	F ENGINES O	R MOTORS.			HORSEPOW	er.		
POWER.					Amount.		Per ce	ent distribu	tion.
	1919	1914	1909	1919	1914	1909	1919	1914	1909
Primary power, total	791	518	378	3, 288	3, 357	2,889	100, 0	100.0	100.0
Owned Steam 1 Engines. The street of th	42 14 14	40 24 (2)	68 31 (3) (3)	1, 293 918 918 918	2,031 1,757 (2) (2)	2,016 1,625 (2)	39. 3 27. 9 27. 9	60. 5 52. 3	69, 8 56, 2
Turbines. Internal-combustion engines. Water wheels, turbines, and motors	17 11	13	25 12	73 302	82 192	141 250	2. 2 9. 2	2, 4 5. 7	4. 9 8. 7
Rental Electric Other	749	478 478	310 310	1, 995 1, 995	1,326 1,277 49	873 850 23	60.7 60.7	39. 5 38. 0 1. 5	30, 2 29, 4 0, 8
Electric Rented Generated by establishments reporting	767 749	508 478 30	830 310 20	2,064 1,995 69	1,515 1,277 238	1,000 850 150	100. 0 96. 7 3. 3	100. 0 84. 3 15. 7	100. (85. (15. (

 $^{^1}$ Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.

TABLE 68.—FUEL CONSUMED, BY STATES: 1919 AND 1914.

		CO	LL.	Golino .		Careline and	
STATE.	Census year.	Anthracite (tons, 2,240 pounds).1	Bituminous (tons, 2,000 pounds).	Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
United States	1919 1914	2, 652 2, 530	10, 597 12, 262	128 38	3 207	97 (*)	8,730 11,648
California	1919 1914		2 4	2	3 60	(2)	581 1,591
Illinois	1919 1914	191 69	2,413 5,827		5	(2)	° 1,082 524
Indiana	1919 1914		556 302		3	·····(*)	33
Iowa	1919 1914	43 10	199 485				3,700
Massachusetts *	1919	38					55
New York	1919 1914	2, 314 2, 305	3,708 2,821	8	67	(*)	2,788 4,619
Pennsylvania *	1919	8	105				1,080
Virginia 1	1919	10	27				
Washington 1	1919		18				31
Wisconsin	1919 1914	15 24	2, 808 2, 124	114 30	61	(2)	68
All other states	1919 1914	33 122	761 699	12	ii	(1)	2, 43 1, 20

¹ Includes some semianthracite.

^{*} Not reported separately.

² Included in figures for fuel oils.

Included with "All other states" in 1919.

SPECIAL STATISTICS.

Comparative statistics of products.—Table 69 presents statistics for the quantity and value of leather gloves, mittens, and gauntlets for 1919, 1914, and 1909, by kinds, for men and boys and for women and children, subdivided as to unlined, lined, and part leather and part fabric. The totals are inclusive of the output of establishments classified under other industries, because of their chief products, but manufacturing very considerable quantities of leather gloves, mittens, and gauntlets. These are not distributable by kind and hence are not represented in the groups and subgroups.

The average unit value for all men's and boys' gloves, mittens, and gauntlets increased from \$6.15 per dozen pairs in 1914 to \$11.35 in 1919, and for women's and children's from \$9.30 to \$17.95.

Distribution, by classes and kinds of leather.—Table 70 classifies the products (1) men's and boys' and women's and children's gloves, with subdivisions—unlined, lined, and part fabric; and (2) dress and working gloves, with subdivisions as to kind of leather. Of the aggregate quantity, 58.8 per cent were reported as unlined in 1919, and 16.5 per cent were made of part leather and part fabric. At the census of 1914 the unlined gloves formed 63.2 per cent of the total number and the part fabric and part leather gloves 6.5 per cent. Unlined gloves constituted 70.2 per cent of the class designated as dress gloves and 52.9 per cent of the working gloves.

TABLE 69.—PRODUCTS—QUANTITY AND VALUE, BY KINDS, 1919, 1914, AND 1909.

HIND.	1919	1914	1909
Number of establishments. Leather gloves and mittens industry, Manufacturing leather gloves and mit-	377 355	368 352	. 393
tens as subsidiary products	22	16	16
Products, total value	\$50,115,525	\$22, 256, 571	\$23,895,559
Leather gloves and mittens indus- try, all products Leather gloves and mittens, sub-	\$46,940,511	\$21,614,100	\$23,630,598
sidiary products of other indus- tries.	\$3,175,014	\$642,462	\$264,961
Gloves, mittens, and gauntlets:			
Dozen pairs	\$48,006,791 \$11.55	1 3, 288, 703 \$20, 939, 020 \$8.35	\$22,790,822 \$6.70
Dozen pairs Value	3,040,747 \$34,498,656 \$11.35	2,656,875 \$16,333,388 \$6.15	2,888,991 \$18,135,438 \$6.30
Unlined— Dozen pairs Value	1,706,795 \$23,053,857	1,623,446 \$11,486,491	1,755,229 \$12,209,929
Lined— Dozen pairs Value Part leather and part fabric—	767, 801 \$9, 037, 038	832,695 \$4,383,271	1,183,762 \$5,925,509
Dozen pairs	566, 151 \$2, 407, 761	200, 734 \$463, 626	$\binom{2}{2}$
Dozen pairs	\$10,333,121 \$17.95	425, 501 \$3, 963, 170 \$9, 30	479,664 \$4,390,423 \$9.15
Dozen pairsValueLined—	417,595 \$8,596,567	325, 530 \$3, 196, 761	326, 690 \$3, 375, 560
Dozen pairs Value Part leather and part fabric—	126, 294 \$1, 568, 735	99,971 \$ 766,409	152,974 \$1,014,863
Dozen pairs	31,067 \$16 7, 819	(2) (1)	(2) (2)
All other products, value	\$2,108,734	\$1,317,551	\$1,104,737

¹ Includes for 1919, 534,709 dozen pairs, value \$3,175,014; 1914, 200,327 dozen, value \$642,492; and 1909, 36,944 dozen, value \$264,961, not distributed by kinds.

² Not reported separately.

TABLE 70.—LEATHER GLOVES, MITTENS, AND GAUNTLETS, LINED, UNLINED, AND PART LEATHER AND PART FABRIC, ACCORDING TO KIND OF SKIN USED: 1919.1

		м	en's and boys'		WOME	n's AND CHILDRE	n'e.
KIND OF LEATHER,	Total.	Unlined.	Lined.	Part leather and part fabric.	Unlined.	Lined.	Part leather and part fabric.
Dress gloves, street gloves, mittens, and gauntlets: Dozen pairs Value	1, 227, 284 \$24, 563, 017	459, 353 \$10, 017, 571	225, 258 \$4, 561, 518	15,823 \$119,212	402,532 \$8,312,289	121,511 \$1,532,301	2,807 \$20,126
Domestic lamb or sheep skin, dozen pairs. Imported lamb or sheep skin, dozen pairs. Modha, dozen pairs. Goat or "real" kid, dozen pairs. All other, dozen pairs.	547,740 427,238 151,290 37,261 63,755	180, 373 163, 753 71, 720 8, 984 34, 523	170,032 41,338 5,676 5,876 7,887	1,533 310 21 13,959	96, 921 205, 090 67, 878 27, 742 4, 901	96, 515 16, 341 5, 995 210 2, 450	2,366 408 35
Working gloves, mittens, and gauntlets: Dozen pairs Value	2, 388, 419 \$20, 268, 760	1,247,442 \$13,036,286	542,543 \$4 ,475,520	550,328 \$2,288,549	15,063 \$284,278	4,783 \$36,434	28, 260 \$147, 693
Sheep skin, dozen pairs	274,998 1,510,895 81,408 521,118	137, 918 710, 986 76, 533 322, 005	97, 839 338, 286 4, 691 101, 727	37, 151 452, 375 100 60, 702	940 1,100 84 12,939	1,135 648 3,000	15 7,500 20,745

1 Not including 534,709 dozen pairs, value \$3,175,014, the product of establishments in other industries.

Products, in detail, by states.—Table 71 shows that dress and similar gloves formed 33.9 per cent of all gloves in 1919, and working gloves 66.1 per cent, working gloves being chiefly men's and boys'. In 1914 no working gloves were reported for women and children. In

regard to the leather used, domestic lamb and sheep skin was the leather used for 44.6 per cent of the dress gloves, and imported skins for 34.8 per cent. At the census of 1914 these proportions were 26.6 per cent and 48.3 per cent, respectively. The proportion of "Mocha" gloves among the dress gloves decreased from 19.2 per cent in 1914 to 12.3 in 1919. Horsehide, cattle hide, or calfskin was used for 63.3 per cent of the working gloves.

New York, which produced 40.1 per cent of all gloves, reported 90.6 per cent of the dress gloves, but

only a small proportion, 14.2 per cent, of the working gloves. Illinois and Wisconsin exceeded New York in working gloves, and this class constituted the bulk of the output for these states. Only 12.7 per cent of the production of California and 10 per cent of that of Wisconsin were dress gloves.

TABLE 71.—PRODUCTS—DETAILED STATISTICS, BY STATES: 1919.

CLASS AND KIND.	United States.	California.	Illinois.	New York.	Wisconsin.	All other states.
Products, total value	\$ 46, 940, 511	\$ 2,048,503	\$ 5, 4 22, 7 94	\$ 26, 763, 2 00	\$6,772,808	\$5,933,200
Gloves, mittens, and gauntlets:	0 015 700	101 004	#06 OFF	1 460 101	000 000	215
Dozen pairs. Value.	3, 615, 703 \$44, 831, 777	121,864 \$2,040,603	706, 055 \$4, 670, 095	1, 450, 101 \$25, 889, 646	696, 897 \$ 6, 635, 072	640, 786 \$5, 596, 361
Dress gloves, street gloves, mittens, and gauntlets:						
Dozen pairs. Dozen pairs. Dozen pairs. Donestic lamb or sleep skin Imported lamb or sleep skin Moche. Goat or "roal" kid All other.	1, 227, 284	15,525 120	(1)	1,111,372	69,833	30,554
Doinesuc lamp or sheep skin	547, 740 427, 238	4,244		479, 685 408, 559	52,803 7,770	15,132 6,065
Mocha	151,290	563		143, 174 30, 944	5,964	1,589
Goat or "real" kid	37, 261 63, 755 \$24, 563, 017	723		30,944	1 430 (5, 158
All other. Value Men's and boys', lined and unlined— Dozen pairs Domestic lamb or sheep skin Imported lamb or sheep skin Mocha Goat or "real" kid All other.	\$94 563 017	9,875 \$369,765	(1) (1)	49, 010 \$22, 109, 412	2,860 \$1,284,880	2,010 \$798,060
Men's and boys', lined and unlined—	924, 000, 011	\$200,100	(-)		ØL, 201, 000	⊕≀ ⊌0,⊍∪
Dozen pairs	684, 611 350, 405	8,054	(1)	585, 327 284, 275	65,074	26, 156 13, 207
Domestic lamb or sheep skin	350, 405	120 2,686		284, 275	52,803 7,615	13, 207
Imported famil or sneep skin	205,091 77,396	2,080		189, 492 74, 632	1,360	5, 298 1, 289
Goat or "real" kid.	9,309	1,10		4, 521	436	4,352
All other	42,410	5, 133	(1)	4,521 32,407	2,860	2,010
Value. Women's and children's, lined and unlined— Dozen pairs. Domestic lamb or sheep skin Imported lamb or sheep skin Mocha Goat or "real" kid All other	\$ 14, 579, 089	\$199,625	(1)	\$12,521,905	\$1,148,436	\$709,123
Women's and children's, lined and unlined—	69. D.19	7,471		KU6 102	4 750	2.045
Domestic lamb or sheep skin	524,043 193,436	1,411		508, 165 192, 261 218, 351 68, 521	4,759	3,648 1,178
Imported lamb or sheep skin	221, 431	1,558		218, 351	155	1,305
Mocha	73,873	448		68, 521	4,604	300
Goat or "real" kid	221, 431 73, 573 27, 952 7, 351	723		20,423		800
Value	\$9,844,590	4,742 \$170,140		2,609 \$9,458,819	\$136,444	\$79,187
		(1		40, 400, 010	\$100, xxx	419,10
Dozen pairs. Domestic lamb or sheep skin Imported lamb or sheep skin Mocha. Goat or "real" kid All other. Value	18,630	[[17,880		750
Domestic lamb or sheep skin	3, 899		 	3, 149		750
Mocho	716			710 21		····
Goat or "real" kid	21			∠ 1		*************
All other	13,994			13,994		
Value. Working gloves, mittens, and gauntlets: Dozen pairs Sheepskin Horschide, cattle hide, or calfskin Deer or elk skin All other	\$130,338			\$ 128, 688		\$10,650
Working gloves, mittens, and gauntiets:	0.990.410	100 000	000 105	000 #00	007.004	000.50
Sheanskin	2,388,419 274,998	106,339 3,364	089, 495 45, 933	338,729 171,392	627,064 25,090	628,792 29,219
Horschide, cattle hide, or calfskin	1.510.895	58,709	387,737	110, 880	492, 275	461,29
Deer or elk skin	1,510,895 81,408	il 576	100	01.014	4,171	54,947
All other	521,118	43,690	255,725	34,843	105, 528	81,335
Value Men's and boys', lined and unlined— Dozen pairs	\$20, 208, 760	\$1,670,838	\$4,598,643	\$3,780,234	\$ 5,350,192	\$4,868,85
Dozen pairs	1,789,985	101,310	364, 911	312 440	607,470	403,841
Sheepskin Horsehide, eattle hide, or calfskin Deer or elk skin All other	235, 757	1 2, 620	36 533	312,449 164,628	24 025	7.95
Horsehide, cattle hide, or calfskin	1,049,272	58,024	125,370	109,832	1 478.046	278,000
All other	81, 224 423, 732	576	1 100	21,530	4, 171 101, 228	54, 84 03, 04
Value. Value. Women's and children's, lined and unlined— Dozen pairs. Sheepskin Horschide, cattle hide, or calfskin Deer or elk skin All other. Value	\$17,511,800	40,090 \$1,634,724	202, 908 \$3, 354, 001	16,459 \$3,395,598	\$5, 150, 121	\$3,977,36
Women's and children's, lined and unlined-	41,,011,000	''	\$0,00±,00±	40,000,000	40, 100, 121	40,811,00
Dozen pairs	19,846 2,075 1,748	4, 429		15,102	315	
Sheepskin.	2,075]] 744		1,031 1,048	300	
Deer or alk skin	1,748	685		1,048	15	
All other.	15,939	3 000		12,939		
Value	\$320,712	3,000 \$32,714		\$283, 228	\$4,770	
Part leatner and part fabric—))		,	1	ļ
Sheepskin	578, 588 37, 166	600	324, 584 9, 400 262, 367	11,178	19,279	222,04
Horsehide, cattle hide, or calfskin	459, 875		989, 387	5,733	765 14,214	21,26 183,29
Deer or elk skin	100				12,214	1 10
Value Part leather and part fabric— Dozen pairs. Sheopskin Horsehide, cattle hide, or calfskin Deer or elk skin All other. Value	81, 447	600	² 52, 817	5,445	4,300	18,88
Value	\$2,436,242	\$3,400	² 52, 817 ² \$1, 244, 642	\$101,408	\$195,301	18,88 \$891,49
All other products, value	\$2,108,734	\$7,900	\$752,699	8072 EEA	0197 mag	egga 0.4
4	1 42, 100, 134	11 47,900	\$102,099	\$873,554	\$137,736	\$336,84

¹ Included in "All other states" to avoid disclosure of individual operations.

The product of 3 establishments has been included in "All other states" to avoid disclosure of individual operations.

GENERAL TABLES.

Comparative summary, by states.—Table 72 shows for 1919, 1914, and 1909, by states, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products reported for the industry.

Detailed statement, by states.—Table 73 presents, for 1919, by states, the more detailed statistics of the industry.

LEATHER GLOVES AND MITTENS.

TABLE 72.—COMPARATIVE SUMMARY, BY STATES: 1919, 1914, AND 1909.

STATE,	Cen- sus year.	estab-	Wage earners (aver- age	Primary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	STATE.	Cen- sus	Num- ber of estab- lish-	Wage earners (aver- age num-	Primary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
		monts.	num- ber).		Expres	sed in th	ousands.		J 01327	monts.	ber).	power	Expres	sed in the	ousands.
United States	1919 1914 1909	355 352 377	10,685 10,668 11,354	3, 288 3, 357 2, 889	\$8,151 4,558 4,764	\$26, 286 12, 171 13, 208	\$46, 941 21, 614 23, 631	New York	1919 1914 1909	219 216 225	5, 510 6, 026 6, 287	1,462 1,098 1,003	\$4,388 2,697 2,841	\$14,567 7,080 8,023	\$26, 763 12, 845 14, 336
California	1919 1914 1909	27 24 28	665 422 570	138 58 58	561 203 267	856 458 558	2,049 951 1,231	Pennsylvania	1919 1914 1909	6 7 3	112 78 42	44 30 7	60 24 12	249 80 33	345 123 54
Illinois	1919 1914 1909	. 31 28 29	1, 239 1, 371 1, 309	376 797 657	1,024 646 519	3, 074 1, 687 1, 478	5, 423 2, 774 2, 523	Washington	1919 1914 1909	7 6 6	46 52 59	12 17 10	65 29 21	131 79 59	244 148 120
Indiana	1919 1914 1909	4 4 3	213 176 153	89 95 44	86 65 48	375 163 152	588 272 225	Wisconsin	1919 1914 1909	28 24 23	1,728 1,711 1,642	609 670 301	1, 205 589 573	4, 267 1, 746 1, 637	6,773 2,922 2,799
Iowa	1919 1914 1909	6 8 10	290 195 234	81 94 236	189 85 94	753 359 873	1,520 626 693	All other states	1919 1914 1909	22 30 47	832 595 949	459 492 552	524 196 337	1, 878 484 852	3,011 860 1,515
Massachusetts	1919 1914 1909	5 5 8	50 42 109	18 6 21	49 24 52	136 35 43	225 93 135								

TABLE 73.—DETAILED STATEMENT, BY STATES: 1919.

)	PERSON	IS ENG	AGED	и тне	INDUSTRY.	The second secon	WAG NEARE	E EARN ST REPF	ERS DEC	C. 15, TIVE	OR DAY.		EXPE	nses.
	Num-			Sala- ried	Clerk	s, etc.		Wage earn	ers.	-	16 and	l over.	Und	er 16.		Salaries a:	nd wages.
STATE.	ber of estab- lish-	(Mata)		offi- cers, super- in-				Number, 1	5th day of—	(Data)		1			Capital.		
	ments.	Total.	and firm mem- bers.	tend- ents, and man- agers.	Male.	Fe- male.		Maximum month.	Minimum month.	Total.	Male.	Fe- male.	Male.	Fe- male.		Officials.	Clerks, etc.
United States	355	12, 594	405	61.5	601	288	10,685	De 11,623	Mh 9,984	11,459	4,753	6, 226	201	279	\$29,870,277	\$1,740,432	\$1,357,614
California Illinois Indiana Iowa Massachusetts New York	27 81 4 6 5 219	782 1, 379 232 415 64 6, 640	23 27 1 5 5 283	49 49 12 25 4 329	26 38 4 71 1 357	19 26 2 24 4 161	665 1,239 213 290 50 5,510	De 723 De 1,428 Oc 250 Jy 311 No 68 De 5,929	Ja 595 Ap 1,132 Mh 106 Ja 263 Ap 37 Ja 4,908	730 1,284 246 310 62 5,887	309 358 55 125 23 2,933	416 772 150 170 39 2,906	75 75 9 7	79 32 8	1, 645, 569 2, 241, 681 303, 283 1, 316, 008 158, 401 18, 404, 716	112, 956 104, 867 26, 928 89, 379 8, 160 951, 626	70, 987 80, 809 8, 629 135, 809 4, 755 913, 839
Pennsylvania. Virginia. Washington. Wisconsin. All other states ² .	6 4 7 28 18	134 81 56 1,915 896	4 8 7 22 20	8 7 1 101 30	7 3 2 38 54	3 1 26 22	290 1 50 1 5,510 1 62 1 46 1 728 3	No 148 No 74 Oc 1 50 Ja 1,972	Mh 92 Fe ¹ 49 Ja ¹ 43 My 1,616	144 69 51 1,781 895	47 24 27 576 276	82 40 24 1,023 604	3 1 58 5	12 4 124 10	247, 543 123, 274 138, 340 3, 765, 616 1, 525, 846	6, 280 12, 876 1, 680 282, 303 83, 382	7, 243 3, 611 2, 300 61, 785 67, 847

		3	EXPENSES-	-continued	1.			ļ			POW	ER.		
	Salaries and		Rentan	d taxes.	For mat	erials.				Primary	norse	power.		Elec-
STATE.	wages— Continued.						Value of	Value. added by		(Owned	•		tric horse- power
	Wage earners,	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.	products.	manufač- ture.	Total.	Steam en- gines (not tur- bines).	Inter- nal- com- bus- tion en- gines.	Water pow- er.3	Rent-	gener- ated in estab- lish- ments report- ing.
United States	\$8, 150, 784	\$1,559,224	\$191,932	\$812,404	\$26, 102, 312	\$183,817	\$46, 940, 511	\$20,654,382	3,288	918	73	302	1,995	69
California. Illinois. Indiana. Lowa. Massachusetts. New York.	561, 261 1, 023, 855 86, 117 188, 826 49, 192 4, 388, 213	6,850 1,547 180 1,464 1,499,007	14, 517 18, 910 270 2, 970 4, 020 101, 625	26, 460 146, 765 33, 673 14, 115 1, 609 143, 631	851, 131 3, 047, 167 370, 734 748, 799 134, 098 14, 472, 927	4,479 26,882 4,056 4,052 1,969 94,247	2, 048, 503 5, 422, 794 588, 108 1, 519, 893 225, 255 26, 763, 200	1, 192, 893 2, 348, 745 213, 318 767, 042 89, 188 12, 100, 026	138 376 89 81 18 1, 462	50 50 30 363	18	152	120 326 39 51 18 947	15
Pennsylvania Virginia Washington Wisconsin All other states 2	64, 889 1, 205, 175	1,023 2,618 41,835 4,700	1,050 1,320 3,990 30,065 13,195	1,732 667 1,282 330,555 111,915	247, 036 190, 404 130, 359 4, 235, 724 1, 673, 933	2,364 543 1,009 31,026 13,190	344,794 252,118 243,778 6,772,808 2,759,260	95, 394 61, 171 112, 410 2, 506, 058 1, 072, 187	44 13 12 609 446	275 150	27 28	150	17 13 12 306 146	40

Same number reported for one or more other months.

All other states embrace: Colorado, 1 establishment; Maryland, 2; Michigan, 4; Minnesota, 2; New Hampshire, 2; New Jersey, 2; Ohio, 2; Oregon, 2; and Tennessee, 1.

Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shalt-belt or transmitted power from neighboring power plants).

SADDLERY AND HARNESS.

GENERAL STATISTICS.

General character of the industry.—This industry includes establishments engaged primarily in the manufacture of the various products pertaining to saddlery and harness, including horse collars, bridles, halters, horse boots, sweat pads, etc. In addition to the establishments constituting the classified industry in 1919, production was reported to the value of \$2,014,262 by 35 establishments engaged primarily in the manufacture of other products.

Comparative summary.—Table 74 presents the principal statistics for the census years 1879 to 1919, inclusive. The increase in financial items in 1919 as compared with 1914 was due to the general advance in prices, for there was a marked decrease in number of establishments and of persons engaged in the industry.

Wage earners, by months.—Table 75 reflects the steadiness of employment from month to month, or the reverse. There was relatively small variation in employment in 1919, the minimum-month number being 90.7 per cent of the maximum-month number as compared with 85.7 per cent in 1914.

Prevailing hours of labor.—Table 76 shows that in 1909 only 2 per cent and in 1914 but 3.6 per cent of the total number of wage earners were in establishments where the prevailing hours of labor per week were 48 or less. In 1919 this percentage increased to 31.7. On the other hand, in 1909, 36.2 per cent of the wage earners

were in establishments where the prevailing hours of labor were 60 or more per week; whereas in 1914 this percentage dropped to 25.8 and in 1919 to 12.9 per cent.

Size of establishments, by average number of wage earners.—The establishments averaged practically six wage earners per establishment in 1919 and five in 1914. The industry includes a large number of establishments owned by individuals and by firms in which the work is done by the proprietors, and as a result many establishments reported few or no wage earners. Table 77 shows that in 1919, 24.8 per cent of the establishments had no wage earners and 62.3 per cent from 1 to 5 per establishment and in 1914, 19.3 per cent had no wage earners and 67.3 per cent from 1 to 5.

Character of ownership.—The establishments owned by corporations, as presented in Table 78, constituted only 13.9 per cent of the total number in 1919, but they employed 71.4 per cent of the wage earners and reported 73.6 per cent of the products. The individual establishments constituted 69.9 per cent of the total number in 1919 with 16 per cent of the products. The decrease in number of establishments is distributed proportionately among the groups but the percentage of increase in the value of products reported is much the largest for the corporations.

General table.—The detailed statistics for the industry, by states, are given for 1919 in Table 79.

TABLE 74.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, 1899, 1889, AND 1879.

									PER (CENT OF	INCRE	ASE,1	
	1919	1914	1909	1904	1899	1889	1879	1914- 1919	1909- 1914	1904- 1909	1899- 1904	1889- 1899	1879- 1889
Number of establishments	1,823	2, 551	1,347	1,076	873	7,931	7,999	28.5	89.4	25. 2	23.3	89. 0	-0.9
Persons engaged Proprietors and firm members Salaried employees Wage carners (average number)	14, 863 1, 946 2, 506 10, 411	18,383 2,768 2,646 12,969	19, 014 1, 452 2, 930 14, 632	18,354 1,181 2,141 15,032	(2) (2) 1,737 14,364	(2) (2) (2) (2) 22,672	(2) (2) (2) (2) 21,446	-19.1 -29.7 -5.3 -19.7	-3.3 90.6 -9.7 -11.4	3.6 22.9 36.9 -2.7	23.3 4.7	(3)	(i)
Primary horsepower	8, 212 \$49, 368, 288	10,397 \$45,207,380	17, 234 \$39, 224, 195	7,370 \$29, 264, 460	6,018 \$20,462,903	2,347 \$35,346,620	(2) \$16, 508, 019	-21.0 9.2	-39.7 15.3	133.8 34.0	22, 5 43, 0	156. 4 42, 1	114.1
Salaries and wages Salaries Wages	15, 238, 751 4, 389, 685 10, 849, 066	11,154,740 3,159,128 7,995,612	11,002,925 2,931,441 8,071,484	9, 653, 458 2, 019, 147 7, 634, 311	7, 682, 974 1, 428, 512 6, 254, 462	16, 030, 845 (2) (2)	7, 997, 752 (2) (2)	36.6 39.0 35.7	1.4 7.8 -0.9	14.0 45.2 5.7	25.6 41.3 22.1	-52.1	100.4
Paid for contract work	3, 202, 434 52, 442, 907	114,945 1,185,232 33,086,442 53,558,612 20,472,170	56, 142 826, 854 33, 177, 937 54, 224, 602 21, 046, 665	82, 575 4 655, 759 23, 774, 239 42, 054, 842 18, 280, 603	(2) (2) 19,770,574 83,702,563 13,931,989	(2) (2) 24, 674, 225 52, 970, 801 28, 296, 576	(2) (2) 19, 968, 716 38, 081, 643 18, 112, 927	-44.9 170.2 58.5 56.3 52.7	104.7 43.3 -0.3 -1.2 -2.7	-32.0 26.1 30.6 28.9 15.1	20.3 24.8 31.2	-19.9 -36.4 -50.8	23. 6 39. 1 56. 2

A minus sign (—) denotes decrease.
 Figures not available.
 Figures not strictly comparable.

Exclusive of internal revenue.
Value of products less cost of materials.

SADDLERY AND HARNESS.

TABLE 75.—WAGE EARNERS, BY MONTHS: 1919.

	Average number em-		NUME	ER EMPLO	OYED ON 1	5TH DAY	OF THE M	ONTH OR	NEAREST	REPRESEN	TATIVE I	AY,		Per cent mini-
STATE.	ployed during year.	Jan- uary.	Feb- ruary.	March.	April.	Мау.	June.	July.	August.	Septem- ber,	Octo- ber.	Novem- ber.	Decem- ber.	mum is of maxi- mum.
United States: 1919. Male. Female. 1914 1900.	879 12,969	10, 627 9, 686 941 13, 765 14, 550	10, 481 9, 562 869 13, 854 14, 827	10, 416 9, 569 847 13, 653 14, 880	10,060 9,248 812 13,399 14,742	9,956 9,161 795 13,135 14,634	9,938 0,120 818 12,834 14,546	10,068 9,255 813 12,436 14,366	10,396 9,498 898 12,105 14,301	10,445 9,538 907 11,876 14,419	10, 789 9, 846 943 12, 401 14, 432	10,851 9,887 964 12,679 14,728	10, 955 10, 014 941 13, 491 15, 170	90, 7 91, 1 82, 5 85, 7 94, 3
Georgia Illinois Indiana Iowa Kentucky Minnesota	887 453	558 1,042 506 441 480 427	554 988 504 393 478 438	566 959 498 410 475 436	525 883 443 386 484 428	535 816 436 351 472 417	519 784 423 335 474 407	580 782 404 830 476 410	615 705 438 334 487 434	586 808 412 335 473 441	558 889 472 496 480 457	568 923 457 481 485 458	592 975 443 448 490 479	84.4 75.0 79.8 66.5 96.3 85.0
Missouri Ohio Tennessee Texas. Wisconsin	1,215 799 614 919 441	1,120 873 614 873 401	1, 113 856 584 908 408	1, 103 794 586 923 439	1,124 687 589 894 441	1, 155 <i>676</i> 604 935 444	1,201 690 622 913 438	1, 233 764 624 899 436	1, 271 776 622 934 454	1,290 812 636 930 453	1, 291 873 631 940 465	1,334 891 626 943 458	1,345 897 630 936 455	82.0 75.3 91.8 92.6 86.2

Table 76.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED STATES: 1919.

		IN	ESTABI HOUR				THE PI								NTS WE				ING
STATE.	Total.	and and un- der.	Be- tween 44 and 48.	48,1	Be- tween 48 and 54.	54.	Be- tween 54 and 60.	60.	Over 60.	STATE,	Total.	and un- der.	Be- tween 44 and 48.	48,1	Be- tween 48 and 54.	54.	Be- tween 54 and 60.	60.	Over 60.
United States. 1919 1914 1909	10,411 12,969 14,632	110 (²) (²)	140 (2) (2)	3, 050 464 298	698	1,982 4,040 2,219	2, 138 4, 518 5, 920	1,333 3,323 5,224	15 26 74	Kentucky Minnesota Missouri Ohio	436 1,215	1 1 20 3	 2 27	106 143 743 93	19 6 22 369	61 4 303 108	151 257 90 110	137 25 35 83	4
Georgia Illinois Indiana Iowa	887	11 22 2 2	31	52 154 64 38	64 41 179 191	11 90 24 63	356 485 107 57	69 63 75 42	 1 2 2	Tennessee Texas Wisconsin	614 919 441		[[153 310 78	1 11 257	93 459 65	87 111 2	280 28	

¹ Includes 48 and under for 1914 and 1909.

TABLE 77.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED STATES: 1919.

											·				
	TC	TAL.					E	STABLISI	IMENTS EX	IPLOYING				,	
STATE.	Estab-	Wage earners	No wage earners.	1 to earners,	5 wage inclusive	6 to 2 carners,	0 wage inclusive.	21 to carners,	50 wage inclusive.	51 to 1 carners,	100 wage inclusive.	101 to earners,	250 wage inclusive.		ver e earners.
	lish- ments.	(average number).	Estab- lish- ments,	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage carners.	Estab- lish- ments.	Wage earners.
United States1919 1914	1,823 2,551	10,411 12,969	453 493	1, 135 1, 718	1, 740 2, 819	121 214	1, 449 2, 482	68 78	2, 257 2, 521	32 32	2, 333 2, 218	11 14	1,705 2,151	3 2	927 778
Georgia Illinois Indiana Lowa	183 114	563 887 453 395	45 22 23	10 121 79 76 35 36	15 171 102 99 60	4 11 7 5	47 149 92 63	3 4 5 5	121 151 141 173	1	64	1 1	316 107 118	i	309
Kentucky Minnesota	110 52 51	479 436	6 7	35 36	60 47	1 1	41 19	3 4	88 127	3	290 243				
Missouri Ohio. Tennessee. Toxas. Wisconsin	106 43	1,215 709 614 919 441	14 38 7 12 10	56 62 23 44 24	87 110 46 79 29	9 3 3 4 5	141 26 27 41 73	1 5 7 2 2	48 172 246 60 52	6 2 2 3 1	491 140 140 247 58	1 2 2 1	155 225 229	i i	351

TABLE 78.—CHARACTER OF OWNERSHIP: 1919 AND 1914.

CHARACTER OF OWNERSHIP.	Cen- sus year.	lish-	Aver- age number of wage earners.	produces.	Value added by manu- facture,	CHARACTER OF OWNERSHIP.	Con- sus year.		Aver- age number of wage carners.	Value of products.	Value added by manu- facture.
All classes	1919 1914	1,823 2,551	10,411 12,969	\$83,713,010 53,558,612	\$31,270,103 20,472,170	Per cent distribution: Individual	1919 1914	69. 9 70. 6	18. 0 23. 9	16.0 21.8	17. 3 27. 1
Individual	1919 1914	1,275 1,802	1,878 3,105	13,357,900 11,651,293	' ' i	Corporation	1919 1914	13. 9 12. 7	71. 4 63. 7	73. 6 64. 8	72.6 59.2
Corporation	1919 1914	253 324	7,434 8,265	, ,] ' ' [All other	1919 1914	16. 2 16. 7	10.6 12.3	10. 4 13. 4	10. 2 13. 7
All other	1919 1914	295 425	1,099 1,599	8,702,096 7,200,775	3, 178, 705 2, 810, 067						

 $^{^2}$ Corresponding figures not available.

TABLE 79.-DETAILED STATEMENT,

Ī			· · · · · · · · · · · · · · · · · · ·		PERSO	NS EN	GAGED	IN THE	INDUS	rry.			WAGI NEARES	E EARNE ST REPRI	RS DEC	. 15, O	R AY.	
		•			Sala-	Clerk	s, etc.		Wag	e earne	rs.			16 and	over.	Unde	r 16.	
	STATE.	Num- ber of estab- lish-	į	Pro-	ried offi- cers, super-				Nu	nber, 15	th day	of—						Capital,
		ments.	Total.	and firm mem- bers.	in-	Male.	Fe- male.	Average num- ber.		imum nth.		mum nth.	Total.	Male.	Fe- male.	Male.	Fe- male	
1	United States	1,823	14, 863	1,946	750	1,330	426	10, 411	De	10,955	Je	9, 938	11, 099	10,078	960	52	9	\$49, 368, 288
2 3 4 5 6	Alabama Arizona Arkansas California Colorado.	20	105 43 161 232 208	9 2 29 34 24	2 4 16 11	1 10 24 41 21	3 4 11 6	93 24 100 130 206	My Oca Sea Ja Do	101 28 107 155 236	De Ja ⁸ Ja ⁸ Au Mh	80 22 94 122 188	102 23 101 159 242	92 22 97 151 226	10 1 4 8 16			189, 769 164, 407 469, 460 937, 716 840, 090
7 8 9 10 11	Dolaware. Georgia. Idaho. Illinois. Indiana.	3 20 16 183 114	7 642 46 1,241 686	22 18 206 127	17 3 46 51	37 69 39	3 3 33 16	563 22 887 453	Ja ² Au Au ³ Ja Ja	5 615 24 1,042 506	Jy 2 Jo Jy Jy	3 519 17 782 404	3 596 22 996 513	3 500 20 939 391	85 2 56 119	8 1 2	3	22, 885 1, 154, 300 170, 928 3, 860, 973 1, 858, 908
12 13 14 15 16	Iowa Kansas Kentucky Louisiana Maine	મ	618 304 661 179 17	126 89 53 10	34 11 27 6	51 16 85 24	12 7 17 3	395 181 479 136 8	Oc Mh Do Au My	496 192 490 145	Jy Au Fes De Nos	330 172 472 130 7	379 190 490 133 9	372 185 437 129 9	7 5 50 4	3		3, 052, 322 059, 661 1, 944, 964 775, 704 24, 644
17 18 19 20 21	Maryland Massachusetts Michigan Minnesota Mississippi	26 15 51 51 5	220 168 326 638 34	26 12 50 49 6	5 9 11 42 1	30 2 5 81	5 7 30	159 140 253 436 27	Ap My No De Ja 2	174 148 317 479 53	Ja Fe My Je No	124 132 185 407 16	158 138 300 489 16	143 121 217 454 4	15 16 83 34 10	1 1 1		758, 605 405, 487 942, 557 2, 367, 647 33, 002
22 23 24 25 26	Missouri Montana. Nebraska. New Jersey New Mexico	88 11 53 46 4	1,663 57 226 92 24	85 10 58 53 4	106 5 15 2 1	202 6 24 1 1	55 2	1, 215 36 127 36 18	De Jy 8 Ja 8 Oc Do	1,345 40 139 39 22	Mh Ja Jy My Fe	1, 103 25 117 3 34 15	1,344 37 131 41 21	1, 231 37 131 41 21				5, 064, 798 260, 993 1, 066, 106 177, 765 44, 266
27 28 29 30 31	New York. North Carolina. North Dakota Ohio Oklahoma.	91 30 14 106 36	359 164 96 1,052 153	92 32 13 112 41	20 10 8 44 11	14 8 7 77 6	1 1	223 113 65 709 92	Se Oc Fe De Se	235 121 76 897 115	Ja Ja Se My Fe	212 103 58 675 67	232 117 67 906 111	223 116 67 831 107	9 74 3	\cdots_i		927, 505 347, 338 634, 001 4, 100, 027 418, 153
32 32 34 35 36	Oregon Pennsylvania Rhode Island South Carolina South Dakota	3 5	260 407 5 22 39	33 129 2 5 0	18 7 1 1 3	18 37 1 3	-	182 225 2 15 23	Ja Ap (†) (†) Se	281 232 2 15 25	No Ja (4) (4) Ja 8	145 215 2 15 22	156 226 2 15 24	151 222 2 15 24		:::::		984,702 1,205,136 2,743 19,135 154,301
37 38 39 40 41	Tonnessee. Texas. Utah Vermont. Virginia.	80	804 1,269 111 26 380	46 84 21 9 33	9	159 11	43 3	614 919 67 17 225	Se No Jy No De	636 943 73 20 248	Fo Ja Fe Jy ³ Ja ³	584 873 59 15 210	634 934 70 18 250	550 863 70 18 232	71			2, 215, 416 4, 711, 974 321, 950 31, 885 1, 705, 654
42 43 44 45 46	Washington. West Virginia Wisconsin Wyoming. All other states 6.	. 43	152 146 600 43 117	47 54 45 10 9	30 6	52	32	441	Mh Je s Oc Jy	94 83 465 23	Se a Oc Ja Fe a	71 401	68 73 459 20 84	68 66 387 20 73	62	7		580, 216 594, 275 2, 381, 685 117, 744 308, 201

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

3 Same number reported for one or more other months.

SADDLERY AND HARNESS.

BY STATES: 1919.

	- The Control of the		EXPE	enses.								POWI	er.			=
Sala	aries and we	iges.		Ronts ar	nd taxes.	For mate	rials.				Primary	horsep	ower.		Elec-	
			_					Value of products.	Value added by manufac-		c)wned.			tric horse- power gener-	
Officials.	Clerks, etc.	Wage earners,	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.		ture.	Total.	Steam engines (not tur- bines).	Inter- nal- com- bus- tion en- gines.	Water pow- er,1	Rent- ed. ²	ated in estab- lish- ments report- ing.	
\$ 2, 298, 662	\$2,091,023	\$10, 849, 066	\$63,357	\$ 726, 286	\$2, 476, 148	\$ 52, 064, 231	\$ 378,676	\$83,713,010	\$31, 270, 103	8, 212	1, 270	282	38	6,613	245	1
11,700 6,900 15,515 19,958 47,407	865 1,800 45,382 25,433 51,119	77, 536 24, 953 84, 791 164, 455 272, 422	1, 200 1, 055	2, 993 4, 950 9, 950 18, 177 10, 190	12, 530 2, 422 6, 056 13, 333 25, 416	299, 973 86, 905 556, 586 729, 938 944, 586	2, 148 808 2, 653 4, 633 6, 164	470, 819 148, 318 824, 875 1, 181, 680 1, 556, 723	168,698 60,605 265,636 447,109 605,973	105 21 49 178 234	75			30 21 49 178 234		2 3 4 5 6
126, 724 5, 400 153, 678 115, 683	62, 062 1, 350 137, 079 70, 737	3,600 506,715 22,894 1,058,949 440,219	1,579 1,579 150 472	9,325 6,590 61,287 47,713	89 91, 946 1, 699 90, 331 38, 107	8,792 2,535,188 114,484 4,501,909 1,409,986	72 7,078 1,492 28,460 22,965	18,540 4,154,219 188,491 7,032,469 2,520,166	9,076 1,611,953 72,515 2,502,100 1,087,215	496 20 606 605	120 62	30 13 33	36	370 20 473 510	105	7 8 9 10 11
102, 955 40, 103 114, 392 32, 050	72, 409 35, 766 159, 267 45, 924	493, 640 217, 958 460, 109 130, 468 9, 992	470 20, 234 76	28, 682 20, 524 14, 850 6, 034 2, 406	282, 016 26, 850 28, 658 13, 422 386	2, 568, 298 956, 871 2, 842, 395 612, 460 20, 973	21, 155 8, 779 16, 382 2, 750 448	4, 167, 588 1, 490, 428 4, 443, 962 948, 575 49, 621	1,578,135 524,778 1,585,185 333,365 28,200	409 156 352 70 2	75	34 4 2		300 152 350 70		12 13 14 15 16
27,760 19,580 35,692 93,107 2,460	8, 852 11, 914 145, 923	267,090		5,984 5,326 17,026 38,658 1,260	13, 507 15, 167 80, 398 32, 562 425	505, 482 457, 309 1, 088, 026 2, 812, 366 15, 722	16,953	851, 389 778, 809 2, 101, 341 4, 159, 286 41, 479	340, 303 313, 304 1, 002, 362 1, 329, 973 25, 210	149 106 188 329 20	60		. 2	33 81 188 269 18	40 2	17 18 19 20 21
316, 884 12, 385 23, 036 2, 000 1, 250	279,681 9,269 51,761 1,040	45, 155 159, 362 37, 720		. 10,242	183, 239 4, 906 18, 270 2, 002 1, 467	6, 260, 481 203, 376 893, 564 78, 605 48, 681	77,633 1,633 7,165 2,173 654	9, 449, 708 318, 734 1, 434, 118 191, 473 90, 904	110,695	$\begin{array}{c c} 22 \\ 134 \\ 20 \end{array}$		17		773 16 128 20 8		200
28, 741 14, 744 15, 500 132, 548 34, 142	23,878 6,960 11,280 125,248	65,999 605,807	4, 561 503 921	3.066	4, 535 4, 684 7, 297 457, 444 7, 218	3,019,719	3,856 4,640 16,558	733, 427 676, 300	172,182	126 185 80 567 50	118			126 45 80 433 48	2	3
40, 568 24, 596 1, 500 800 5, 000	35, 864 36, 42, 930 700	245, 094 3 204, 787 2, 292 10, 376	1,080	. 720	52, 252 7, 836 66 25 1, 912	25, 900	8, 913 143 0 677	1,515,090 15,750 48,125	617, 173 9, 83 1 21, 548	179 1 1	60	2	5	233 94 1 13 14	12	3
98, 586 186, 918 11, 346	6 188, 588 8 168, 560 9, 220	520, 590 5 989, 850 0 85, 970 18, 151	29,536 850	20, 012 77, 840 3, 433 970	27, 917 102, 348 11, 256	5, 212, 040 438, 596 35, 338	3 920	4,789,800 7,817,750 662,018 75,458 1,504,120	2,587,980 3 220,72 3 39,190	5 il - 5			5	11.	1	333444
53, 02(30, 19; 157, 21; 2, 83; 22, 80;	0 31,976 3 14,376 6 117,29	0 81,532 2 500,739 28,12	10	9,618 27,517 2,444	677,417	3,278,379 3,278,379 90,13	7 1,37	8 H 788.00	333, 51 1, 851, 49 2 66, 75	7 178 8 24	8 12 7 8		2	. 24	1 25 0	4 4

⁴ Same number reported throughout the year.
5 All other states embrace: Connecticut, 4 establishments; Nevada, 2; and New Hampshire, 2.

LEATHER BELTING.

GENERAL STATISTICS.

General character of the industry.—This industry includes the establishments engaged primarily in the making of leather belting. Prior to 1914 it was inclusive of leather hose, but at the censuses of 1914 and 1919 no establishments were reported as engaged primarily in the manufacture of leather hose. In addition to the establishments constituting the classified industry in 1919, leather belting was reported to the value of \$4,947,610 by 9 establishments engaged primarily in the manufacture of other products and assigned to other industries, which included three of the leather industries-leather, tanned, curried, and finished (\$4,319,779); leather goods, not elsewhere specified; and boot and shoe cut stock.

Comparative summary.—Table 80 presents the principal statistics for each census year from 1879 to 1919, the figures for the earlier censuses being inclusive of leather hose. The increase in financial items in 1919 as compared with 1914 was to a large degree due to the general advance in prices, for on the basis of persons engaged in the industry and power equipment, the figures show slight decreases.

Wage earners, by months.—Table 81 reflects the steadiness of employment from month to month, or the reverse. Female wage earners constituted but 6.3 per cent of the total number in 1919.

Prevailing hours of labor.—In 1909 only 4.5 per cent and in 1914 only 8.3 per cent of the total number of wage

earners, as shown in Table 82, were in establishments where the prevailing hours of labor were 48 per week or less. In 1919 the corresponding proportion was 15.9 per cent. On the other hand, in 1909, 64.8 per cent of the wage earners were in establishments where the hours were more than 54 per week, whereas in 1914 the proportion dropped to 57 per cent and in 1919 to 11.1 per cent.

Size of establishments, by average number of wage earners.—As shown in Table 83, the industry includes a large number of establishments with no wage earners or fewer than 6. In 1919, 90 such establishments, or 52.3 per cent of the total number, employed only 6.8 per cent of the wage earners while establishments with more than 50 wage earners formed only 7.6 per cent of the total number of establishments, but employed 52.4 per cent of the wage earners.

Character of ownership.—The majority of the establishments, as presented in Table 84, were under corporate ownership, 65.1 per cent in 1919 with 86 per cent of the wage earners, and with products representing 89.2 per cent of all products. Considering the industry as a whole, the establishments averaged \$235,000 in value of products per establishment in 1919 as compared with \$153,000 in 1914; the corporations averaged \$323,000 per establishment in 1919, the individuals \$74,000, and the "All other" group \$69,000, the latter being chiefly firms.

TABLE 80.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, 1899, 1889, AND 1879.

	•								PER C	ENT OF	INCREA	SE.1	
	1919	1914	1909	1904	1899	1889	1879	1914– 1919	1909- 1914	1904- 1909	1899- 1904	1889- 1899	1879- 1889
Number of establishments	172	151	139	117	104	93	96	13.9	8, 6	18.8	12.5		
Porsons engaged. Proprietors and firm members Salaried employees. Wage earners (average number)	4,019 91 1,163 2,765	4,263 86 1,226 2,951	4,370 100 1,264 3,006	2,800 94 614 2,092	(2) (2) 443 1, 667	(2) (2) (2) 1,342	(3) (2) (2) (2) 1,227	-5.7 5.8 -5.1 -6.3	$ \begin{array}{r} -2.4 \\ -14.0 \\ -3.0 \\ -1.8 \end{array} $	56.1 6.4 105.9 43.7	38, 6 25, 5	(a)	(8)
Primary horsepower	7,039 \$27,533,899	7,411 \$20,138,522	5,638 \$17,457,064	3,220 \$10,785,245	2,162 \$7,408,219	1,040 \$4,973,420	(2) \$2,748,799	-5.0 36.7	31. 4 15. 4	75.1 61.9	48.9 45.6	107.9 49.0	80.9
Salaries and wages	5,956,218 2,695,779 3,260,439	3,829,188 1,759,643 2,069,545	3,362,700 1,501,820 1,860,880	1,951,867 787,319 1,164,548	1,398,751 484,874 913,877	1,114,754 (2) (2)	606, 037 (2) (2)	55.5 53.2 57.5	13.9 17.2 11.2	72.3 90.8 59.8	39.5 62.4 27.4	25. 5	83.9
Paid for contract work. Rent and taxes. Cost of materials. Value of products. Value added by manufacture ⁵ .	114,526 954,470 28,156,711 40,480,654 12,323,943	57,722 339,233 15,480,110 23,035,951 7,555,841	6,592 208,260 15,622,603 23,691,887 8,069,284	16,958 174,715 9,317,206 14,220,306 4,903,100	(2) (3) 7,490,952 10,622,522 3,122,570	(2) (2) 6,132,704 8,633,634 2,500,930	(2) (2) 5,019,853 6,525,737 1,505,884	98. 4 181. 4 81. 9 75. 7 63. 1	775.6 62.9 -0.9 -2.8 -6.4	-61.1 19.2 67.7 66.6 64.6	24. 2 33. 9 57. 0	22,3 23.0 24.9	22. 32. 66.

A minus sign (—) denotes decrease: percentages are omitted where base is less than 100.
 Figures not available.
 Figures not strictly comparable.

Exclusive of internal revenue.
Value of products less cost of materials.

LEATHER BELTING.

TABLE 81.-WAGE EARNERS, BY MONTHS: 1919.

[Month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures.]

	Average number		NUI	MBER EMI	PLOYED O	и 15ти р.	AY OF MO	NTH OR	NEAREST	REPRESEN	TATIVE D	AY.		Per
STATE.	em- ployed during year,	Janu- ary.	Febru- ary.	March-	April.	May.	June.	July.	August.	Septem- ber.	October.	Novem- ber.	Decem- ber.	mini- mum is of maxi- mum.
United States: 1919. Males Fermalos. 1914.	2,765	2,830	2,684	2, 683	2, 580	2,567	2, 566	2,651	2,782	2,870	2,914	2,976	3,071	83. 6
	2,590	2,649	2,518	2, 512	2, 418	2,399	2, 402	2,484	2,610	2,685	2,726	2,796	2,881	83. 3
	175	181	166	171	168	168	164	167	172	185	188	180	190	80. 3
	2,951	3,004	3,004	2, 988	2, 940	2,913	2, 879	2,894	2,914	2,954	2,958	2,975	2,989	95. 8
	3,006	2,980	2,952	2, 943	2, 877	2,865	2, 889	2,915	3,052	3,092	3,106	3,184	3,210	89. 2
Connecticut	247	301	232	234	225	206	226	227	241	239	253	288	292	68. 4
Massachusetts	269	266	250	257	247	253	254	264	248	293	294	298	309	78. 6
New York	660	702	668	653	628	629	636	645	066	672	671	679	676	88. 7
Pennsylvania	414	417	414	413	407	387	<i>\$52</i>	378	410	438	457	443	452	77. 0

Table 82.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED STATES: 1919.

		IN	TESTABLISHN	ENTS WHERE	THE PREVAILI	NG HOURS OF	LABOR PER W	een were—	-
STATE.	Total.	44 and under.	Between 44 and 48.	48.1	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
United States	2,765 2,951 3,006	(2) (2) (2)	(2) (2) (2)	350 245 134	1,580 528 330	440 495 593	280 1,558 1,466	26 122 483	a
Connecticut. Massachusetts. New York. Pennsylvania	247 269 660 414	0	1	139 23 6	24 119 618 386	196 3 12	27		

¹ Includes 48 and under for 1914 and 1909.

TABLE 83.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED STATES: 1919.

	то	TAL.				ES	STABLISHM	ients ea	IPLOYING		······································		
STATE.	Estab-	Wage	No wage earners.	1 to 5 earners,	wage inclusive.	6 to 2 earners,	0 wage inclusive	21 to 5 earners,	0 wage inclusive.	51 to 1 earners,	00 waga inclusive.	Over 1	00 wage aers.
	lish- ments.	earners (average number).	Estab- lish- ments.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.
United States	172 151	2,765 2,951	8 5	82 85	189 215	50 35	529 392	19 14	597 394	7 7	473 510	6 5	977 1,440
Connecticut. Massachusetts. New York. Pennsylvania.	8 20 37 17	247 269 660 414	1 2 1	2 9 20 7	5 25 44 16	3 7 9 5	34 98 79 59	1 3 2 2	25 81 53 70	1 2	65 119	1 2 2	183 365 269

TABLE 84.—CHARACTER OF OWNERSHIP: 1919, 1914, AND 1909.

CHARACTER OF OWNERSHIP.	Cen- sus year.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.	CHARACTER OF OWNERSHIP.	Cen- sus year.	Num- ber of estab- lish- ments.	Aver- age num- ber of wage carners.	Value of products.	Value added by manu- facture.
All classes	1919 1914	172 151	2,765 2,951	\$40, 480, 654 23, 035, 951	\$12,323,943 7,555,841	Per cent distribution: Individual	1919 1914	21. 5 29. 8	9, 2 8, 5	6.8 7.4	7. 7 8. 0
Individual	191 9 191 4	37 45	253 250	2,754,142 1,711,244	951,648 602,625	Corporation	1919 1914	65.1 58.3	86. 0 88. 7	89. 2 89. 5	88. 4 88. 8
Corporation	1919 1914	112 88	2,377 2,617	36, 128, 595 20, 628, 404	10,890,210 6,708,297	All other	1919 1914	13.4 11.9	4.9 2.8	3.9 3.0	3. 9 3. 2
All other	1919 1914	23 18	135 84	1,597,917 696,303	482,085 244,919						

² Corresponding figures not available.

GENERAL TABLE.

Detailed statement, by states.—The detailed statistics for the industry for 1919 are given in Table 85, by states. TABLE 85.—DETAILED STATEMENT, BY STATES: 1919.

=)	PERSON	S ENG	IAGED :	IN THE I	NDUS	TRY.			WAGI NEARI	E EARN EST REI	ers d resen	EC. 15,	OR DAY.				EXPE	NSES.
		Num-			Sala-	Clerk	s, etc.		Wa	ge earne	rs.			16 an	d over	Unc	ler 16.			Sala	ries and	d wages.
	STATE.	ber of estab- lish-		Pro- prie- tors	offi- cers, super-				Nı	ımber, 1	.5 d	ay of—						Ca	pital.			
		ments.	Total,	and firm mem- bers.	in- tend- ents, and man- agers.	Male.	Fe- male.	Average num- ber.		ximum onth.		Inimum month.	Total.	Male	Fe mal	Male	Fe mal			Offic	ials.	Clerks, etc.
-	United States	172	4,019	91	342	538	283	2,765	De	3, 071	Je	a 2,566	3,066	2,80	3 18	76	3	\$27, 5	33, 899	\$1,440	, 466	31, 255, 313
]	Jalifornia Jonnecticut Illinois Massachusetts Michigan	7 8 9 20 3	111 320 298 364 141	3 2 4 7 8	15 18 29 30 9	8 37 49 37 7	5 16 24 21 9	80 247 192 269 113	De Ja So De Au	301 206 309	Je M Jo A Je	y 206 3 175 u 243	85 292 213 309 133	6 27 20 28 11	4 1 6 2 2	3 1 7	2	3,2 2,0 1,9 1,0	71,667 41,340 06,687 45,268 88,702	10:	2, 795 3, 075 3, 244 7, 389 0, 585	43, 886 99, 990 109, 748 74, 385 22, 321
	Minnesota	3 8 10 37 10	153 123 130 934 184	2 10 27	20 16 7 54 26	14 33 22 142 42	3 16 9 51 14	116 56 82 660 102	De Oc My Ja De	1 67 85 702	A F A A J	n 1 81	143 61 81 677 109	8 6 6 64 10	$egin{array}{c c} 1 & \dots & 1 \\ 4 & 1 \\ 2 & 3 \\ \end{array}$	1		6,5	61, 540 62, 247 30, 402 01, 653 72, 269	60 67 240	0, 678 3, 160 7, 023 3, 459 0, 623	29, 138 53, 223 48, 504 354, 880 44, 598
	Pennsylvania. Rhode Island. Tennessee Washington All other states 2	17 6 3 5 26	633 38 34 18 538	6	48 7 2 61	77 1 1 68	78 5 1 31	414 25 29 8 372	Oc De De Se	1 33	M	e 352 'e 1 23 Ly 1 25 a 1 7	448 28 33 8 446	41 2 3 41	8 8			:∥ ¹	51,003 76,653 56,467 96,739 71,262	32	3, 911 2, 250 2, 500 0, 779	182, 985 5, 192 2, 400 882 183, 181
		<u> </u>	·	E	XPENS	ESco	ntinue	i.			-			1				PO	WER.			
		Salar	ies		Rent	and t	axes.	For	mat	erials.	-						Prima	ry hors	sepowe	r.		-
	•	and wage Cor	1								-	i	Va	lue				Owne	d.			Elec- tric horse-
	STATE.	Wa	go co	For ntract vork.	Rent factor	of F y. c	laxes, ederal, state, ounty, and local.	Princi materi		Fuel an rent o power	f	Value of products	adde man	d by ufac- re.	Total	eng (no	eam gines t tur- ies).	Steam tur- bines.	Inter- nal- com- bus- tion en- gines.	Water pow- er. ³	Rent- ed.	power gener- ated in estab- lish- ments report- ing.
	United States	. \$3, 260	, 439 \$1	14, 526	\$306,7	64 \$	347, 706	\$27, 899,	058	\$257,65	3	\$ 40, 480, 65	4 \$12,32	3, 9 1 3	7,0	9 2	, 967	450	87	55	2,480	320
	California. Connecticut. Illinois. Massachusetts. Michigan	. 285 257	639	3,401	4, 5 14, 7 65, 1 27, 7	95 35 22 15 90	21, 755 68, 907 109, 570 36, 950 56, 775	732, 2,777, 2,444, 2,911, 1,015,	094 684 502 870 535	6, 72 17, 52 15, 67 17, 67 17, 90	1 0 8	1,083,20 3,930,48 3,315,43 3,943,68 1,595,98	8 E 8	14, 392 35, 282 35, 266 4, 139 32, 538	26 37 36 38 58	7 8 3	155 325 135 330				261 222 43 248 258	3 117
	Minnesota Missouri New Jersey New York Obio	. 136 56 90 854 107	336	•••••	11, 2 6, 4 6, 0 78, 0 13, 3	97 30 98	33, 758 20, 697 7, 146 87, 266 14, 263	1, 189, 763, 706, 6, 356, 1, 132,	164 822 573 328	6,58 4,66 8,90 94,17 5,03	9 14 78	1,808,53 1,040,50 1,001,52 9,331,02 1,549,69	$\begin{bmatrix} 6 & 28 \\ 3 & 2.88 \end{bmatrix}$	12, 787 72, 015 36, 049 80, 517 11, 821	1: 1: 1(3, 1(3 4 6 2	40 7 2,380	450	22	55	80 133 97 256 111	57
	Pennsylvania	475 33 20 11	518 467 685	11, 125	44, 7 3, 7 2, 7 27, 0	75 70 12	75, 928 2, 060 592 933 111, 106	3, 547, 206, 37, 99, 3, 977,	602 550 673	30, 51 2, 38 1, 38 38 28, 18	7 4	5,574,10 315,13 79,07 141,07 5,771,18	1 10 6 4	06, 042 06, 149 10, 169 11, 046 35, 731		6 8 8	400 75 15		61		136 17 18 18 592	3

¹ Same number reported for one or more other months.
2 All other states embrace: Colorado, 1 establishment; Delaware, 1; Georgia, 3; Indiana, 3; Louisiana, 3; Maine, 1; Maryland, 2; Mississippi, 1; New Hampshire, 1; North Carolina, 2; Oregon, 1; South Carolina, 3; and Wisconsin, 3.
3 Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).
4 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

TRUNKS AND VALISES.

GENERAL STATISTICS.

General character of the industry.—This industry includes establishments engaged primarily in the manufacture of trunks and valises, including suit cases and similar manufactures, among which are hat boxes, luncheon kits, etc. The products are largely of leather, but imitation leather, canvas, and fiber board enter into their construction to a large degree. In addition to the establishments constituting the classified industry, production was reported in 1919 to the value of \$931,825 by eight establishments primarily engaged in other lines of manufacture.

Comparative summary.—Table 86 presents the principal statistics for the several census years from 1879 to 1919, inclusive. The increase in financial items in 1919 as compared with 1914 was to a large degree due to the general advance in prices; still, the industry shows a very material growth as measured by the number of establishments and persons engaged in the industry.

Wage earners, by months.—The figures in Table 87 reflect the steadiness of employment from month to month, or the reverse, the latter months of the year being the months of maximum employment, as a rule. with January the minimum month. The industry employs a considerable number of female wage earners, 15.6 per cent in 1919.

Prevailing hours of labor.—Table 88 shows that in 1909 only 3.6 per cent, and in 1914, 4.7 per cent of the wage earners were in establishments where the prevailing hours of labor were 48 per week or less, but in 1919 this percentage increased to 39.3 per cent. On the

other hand, 27.2 per cent of the wage earners in 1909 were in establishments where the prevailing hours of labor were 60 or more per week; in 1914 the proportion was 18.1 per cent and in 1919, but 1.3 per cent.

Size of establishments, by average number of wage earners.—As shown in Table 89, the establishments in 1919 averaged 19 wage earners per establishment as compared with 18 in 1914.

The majority of the establishments were owned by individuals or firms, with work done by the proprietors, and as a result many establishments reported no wage earners or very few. In 1919, 54.1 per cent of the establishments, and in 1914, 54 per cent reported no wage earners or not exceeding 5 per establishment. The industry includes, however, a number of establishments employing a relatively large number of wage earners. There were 23 establishments in 1919, each with more than 100 wage earners. aggregating 43.1 per cent of the total number and in 1914, 21 establishments with 37.2 per cent of the total number of wage earners.

Character of ownership.—Table 90 shows that establishments owned by corporations represented but 32.5 per cent of the total number, but they employed 71.8 per cent of the wage earners, and accounted for 68.2 per cent of the products. The average value of products per establishment for the industry was approximately \$107,000 in 1919 as compared with \$47,000 in 1914. The corporations averaged \$225,000 per establishment in 1919, the individual establishments \$39,000, and the "All other" group, chiefly firms, \$72,000.

TABLE 86.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, 1899, 1889, AND 1879.

									PER	CENT I	NCREAS	E.1	
	1919	1914	1909	1904	1899	1889	1879	1914- 1919	1909- 1914	1904- 1909	1899- 1904	1889- 1899	1879- 1889
Number of establishments. Persons engaged. Proprietors and firm members	597 14,216 601	561 12,154 549	524 13,422 552	373 10,458 406	(2) (2)	395 (2) (3) (3)	265 (2)	6.4 17.0 9.5	7.1 -9.4 -0.5	40. 5 28. 3 36. 0		-21.0	49.1
Salaried employees	2,145	1,694 9,911	1,748 11,122	961 9,091	708 6,964	6,032	(2) 4,534	26.6 15.7	-3.1 -10.9	81.9 22.3	35, 7 30, 5	(1)	(1)
Primary horsepower	7,703 \$34,258,034	7,566 \$18,570,817	6,885 \$18,808,037	5,016 \$11,018,937	3,314 \$6,929,044	2,001 \$6,900,756	\$2,792,256	1.8 84.5	9.9 1.4	37.3 66.2	51. 4 59. 0	85.6 0.4	147. i
Salaries and wages	17,735,544 5,271,777 12,463,767	7,708,448 2,166,291 5,540,157	7,652,587 2,115,258 5,537,329	5,150,005 1,010,971 4,139,034	3,469,173 692,157 2,777,016	3,513,749 (2) (2)	1,786,586 (2) (2)	130. 1 143. 4 125. 0	0.7 2.4 0.1	48.6 109.2 33.8	48.5 46.1 49.0	-1.3	96.7
Paid for contract work. Rent and taxes Cost of materials. Value of products. Value added by manufacture 5.	2,139,249 33,222,432	8,969 763,783 13,625,457 26,471,527 12,846,070	49,690 636,981 14,629,065 28,027,964 13,398,899	8,335 4 423,263 9,107,785 18,643,580 9,535,795	(2) (2) 5,954,718 12,428,646 6,473,928	(2) (2) 4,703,982 10,821,621 6,117,639	(2) (2) 3,910,133 7,252,470 3,342,837	346. 2 180. I 143. 8 141. 5 139. 1	-82.0 20.0 -6.9 -5.6 -4.1	496. 2 50. 5 60. 6 50. 3 40. 5	58.0 50.0 47.3	26.6 14.8 5.8	20.3 49.2 83.0

A minus sign (—) denotes decrease,
 Figures not available.
 Figures not strictly comparable.

⁴ Exclusive of internal revenue.
5 Value of products less cost of materials.

TABLE 87.-WAGE EARNERS, BY MONTHS: 1919.

[Month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures.]

									 =					
	Aver-		NUMI	BER EMPL	OYED ON	15TH DAY	OF THE	момтн с	R NEARE	ST REPRE	SENTATIV	E DAY.		Per cent
STATE.	age number em- ployed during year.	Janu- ary.	Febru- ary.	March.	April,	Мау.	June.	July.	August.	Septem- ber.	October,	Novem- ber.	Decem- ber.	mini- mun is of maxi- mum.
United States: 1919 Males Females 1914.] 1,793 [10, 101 8, 569 1, 532 9, 816 10, 283	10,471 8,879 1,592 10,324 10,682	10,711 9,063 1,648 10,427 11,008	10,785 9,121 1,664 10,633 10,815	11,065 9,385 1,680 10,318 11,143	11,358 9,607 1,751 10,174 11,070	11,678 9,864 1,814 10,124 10,957	11,942 10,078 1,864 9,935 11,420	12,178 10,256 1,922 9,845 11,700	12,467 10,453 2,014 9,643 11,638	12,463 10,455 2,008 9,096 11,587	12,421 10,394 2,027 8,597 11,169	81.0 82.0 75.6 80.9 87.9
Illinois. Massachusetts. Missouri. Now Jersoy	1 9//	1,089 504 775 631	1,076 584 799 664	1,117 535 823 642	1,116 549 820 633	1,139 593 838 692	1,179 638 863 609	1,229 648 887 722	1,223 674 909 738	1,230 702 938 744	1,260 676 989 798	1,265 675 951 805	1,299 640 932 836	80, 0 71, 8 78, 4 75, 5
New York Pennsylvania Virginia Wisconsin	1,950 1,115 1,703 933	1,719 954 1,549 848	1,800 980 1,580 846	1,845 1,022 1,587 869	1,851 1,024 1,598 851	1,883 1,113 1,669 882	1,911 1,160 1,698 874 ^m	1,979 1,197 1,729 942	2,046 1,172 1,796 927	2,118 1,166 1,810 1,007	2,131 1,195 1,805 1,048	2,094 1,196 1,812 1,041	2,023 1,201 1,803 1,061	80.7 70.4 85.5 79.7

Table 88.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED STATES: 1919.

· #		IN					THE PI	REVAIL ERE	ING								THE PR		INO
STATE.	Total.	and and un- der.	Be- tween 44 and 48.	48,1	Be- tween 48 and 54.	54.	Be- tween 54 and 60.	60.	Over 60.	STATE.	Total.	44 and un- der.	Be- tween 44 and 48.	48.	Be- tween 48 and 54.	54.	Be- tween 54 and 60.	60.	Over 60.
United States1919 1914 1909	11,470 9,911 11,122	790 (2) (2)	595 (2) (2)	3,127 466 399	3,591 1,589 378	1,482 2,498 2,564	1,741 3,566 4,753	139 1,756 2,992	5 36 36	New York Pennsylvania Virginia	1,950 1,115 1,703 933	345 187		1,213 155 4 15	134 229 509 138	224 21 894 18	460 296 694		
Illinois Massachusetts Missouri New Jersey	614 877	165 11 27	238 159 90 3	382 357 16 149	354 61 686 522	15 65 7	27		!	Wisconsin	ชออ			10	190	10	094	08	

1 Includes 48 and under for 1914 and 1909.

² Corresponding figures not available.

TABLE 89.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED STATES: 1919.

	то	TAL.						EST	ABLISHM	CENTS E	MPLOYIN	rg—					
STATE.	Estab- lish-	Wage earners (average	No wage earn- ers.	wa eari	o 5 age aers, asive.	eari	o 20 age aers, asive.	eari	o 50 age ners, nsive.	eari	o 100 age aers, asive.	wa eari	o 250 age aers, asive.	earı	o 500 age aers, asive.	w: ear	n 1,000 age ners, isive.
	ments.	number).	Estab- lish- ments.	ush-	Wage earn- ers.	Estab- lish- monts.	earn-	Estab- lish- ments.	earň-	Estab- lish- ments.	earn-	Estab- lish- ments.	earn-	Estab- lish- ments.	Wage earn- ers.	Estab- lish- ments.	Wage earn- ers.
United States1919 1914	597 561	11,470 9,911	47 49	276 254	566 640	154 147	1,829 1,713	72 60	2,358 1,804	25 30	1,778 2,070	17 19	2,572 2,764	5 1	1,671 340	1	69 58
llinois. Asssachusetts. Aissouri. Yew Jersey.	61 26 20 21	1,181 614 877 717	5 1	21 8 6 8	55 14 12 16	20 8 6 3	218 102 71 28	8 7 4 5	243 194 114 159	5 1 2 3	347 65 182 244	2 1 1 2	318 239 190 270	1	308		
New York Pannsylvania Virginia Wisconsin	158 86 15 18	1,950 1,115 1,703 933	16 12 1	73 46 2 4	151 87 5 6	45 18 2 5	577 210 30 67	17 6 5 2	578 199 216 67	5 2 1 3	343 111 65 239	2 1 3 2	301 109 402 265	1 1 1	399 289 289	i	69

TABLE 90.—CHARACTER OF OWNERSHIP: 1919 AND 1914.

CHARACTER OF OWNERSHIP.	Cen- sus year.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manufac- ture.	CHARACTER OF OWNERSHIP.	Cen- sus year.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manufac- ture.
All classes	1919 1914	597 561	11,470 9,911	\$63,932,266 26,471,527	\$30,709,834 12,846,070	Per cent distribution: Individual	1919 1914	44. 2	14. 4	16.2	14.1 18.1
Individual	1919 1914	264 265	1,649 1,750	10,337,202 4,839,045	4,337,951 2,328,047	Corporation	1914 1919 1914	47. 2 32. 5	71.8 66.9	18.3 68.2 65.5	70. 6 66, 7
Corporation	1919 1914	194 170	8,237 6,628	43,572,070 17,332,027	21,673,659 8,572,774	All other	1919 1914	30.3 23.3 22.5	13.8	15.7 16.2	15.3 15.1
All other	1919 1914	139 126	1,584 1,533	10,022,994 4,300,455	4,698,224 1,945,249		1914	22.0	10.0	10.2	10,1

GENERAL TABLE.

Detailed statement, by states.—The detailed statistics for the industry by states, 1919, are given in Table 91.

Table 91.—DETAILED STATEMENT, BY STATES: 1919.

			1	PERSONS ENGAGED IN THE INDUSTRY. WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.									OR DAY.			EX	PENSES	3.		
	Num-			Sala- ried	Clerk	s, etc.		Wage e	arners	•		16 and	over.	Unde	ər 16.			Salarie	s and v	vages.
STATE.	ber of estab- lish- ments.	Total.	Pro- prie- tors and	offi- cers, super- in-		T.			r, 15th	day of—	Total.					Ca	pital.			
	menes.	1 Otal.	firm mem- bers.	tend- ents, and man- agers.	Male.	Fe- male.	Aver- age num- ber.			Jinimum month.		Male.	Fe- male	Male	Fe- male			Officia		lerks, etc.
United States	. 597	14, 216	601	741	937	467	11, 470	Oc 12,	467 J	a 10, 101	12,649	10, 453	1,977	151	68		258,034	\$2,723,		<u> </u>
California Colorado Illinois Indiana Lowa	61 8	439 102 1,495 466 30	53 7 58 8 12	22 10 85 12	20 7 130 8	8 5 41 11 2	336 73 1, 181 427 16	De 1,	82 J 299 J 466 J	My 238 fa 1 67 fa 1,039 fa 323 fa 1 15	1,312 446 16	329 62 1,101 364 13	81 11 201 82 3	7 4	6	3,6	809, 823 189, 464 339, 108 262, 519 71, 383	34, 8 33, 1 358, 6 35, 1	195 142 151	34,771 18,941 339,651 33,550 1,650
Maryland Massachusetts. Michigan Minnesota. Missouri	7 26 10 14 20	753 237 111 1,028	9 28 11 10 15	35 12 12 12 38	47 4 6 71	29 11 4 25	35 614 199 79 877	1 Se 7 Jy 1 De	702 J 201 J 92 J	Га 13 Га 504 Му 196 Га 776	684 199 93 932	84	18 180 73 6 134		12 2 1	:	48,814 487,314 519,666 194,795 092,393	109, 44, 21, 114,	327 710 105	133,687 18,173 8,338 156,886
Nebraska	158 22	20 849 2,527 399 77	15 144 26 5	1 42 171 29 7	1 51 168 21 4	1 24 94 17 2	13 717 1, 950 300 59	7 De Oc 2, S Au No	836 131 343 72	Ta 11 Ta 631 Ta 1,719 Ta 246 Ta 48	2, 168 324 71	1, 972 265 39	120 189 59 32	6	i	1,	31, 459 494, 174 807, 300 067, 583 198, 076	248, 585, 116, 24,	194 517 381	2,063 192,346 512,292 63,745 20,686
PennsylvaniaTennesseeTexasUtah	. 80 7 12 6	1,467 178 176 28	120 5 13 9	58 8 21 1	122 83 15 4	52 3 2 1	1, 115 129 125 13	5 De 3 Jy 1	144 135 15	Ja 95- Se 10' Ja 9: Ja 1	134 135 15	126 15	124 19 9		17		407, 647 400, 724 226, 387 53, 861	11	200 435 500	294, 544 46, 903 20, 295 5, 015
Virginia Washington Wisconsin All other states ²	15 13 18 22	1,904 108 1,135 645	15 5 25	84 6 43 44	71 10 90 54	42 4 64 25	1, 703 73 933 497	3 No 3 De 1,	82	Ja 1,549 Fe 69 Fe 849	7 83	63 744	191 17 218 209	3 73	23 5	2,	249, 497 240, 982 830, 386 784, 679	303, 11, 199, 101,	303 979	184, 901 21, 298 346, 710 92, 144
***************************************	<u> </u>			EXPEN	ses—c	ontinue	ed.	diffue et a									POWE	R.		
	Salarie	ss											`				_			11
		1						T3	1-1-	ii					Pr	lmary	horsep	ower.		Eleo- tric
,_	and wages Continu	ed.		Ren	t and	taxes.		For mat	erials.		alue of	Valu- added	by		Pri		y horsep Owned.	ower.		tric horse- power gener-
STATE.	wages-	ed. For	r con- ract ork.	Rent factor	of]	Taxes, Federal state, county, and local.	F	For materials.	Fuel: rent	and of	alue of oducts.		by ac-	Total	Store e			Internal-combustion engines.	Rent-ed.3	tric horse- power
	wages- Continu Wage	For the state of t	ract	Rent	of y.	Taxes, Federal state, county, and	, F	Principal naterials. 32,959,431	Fuel: rent pow	and of er.	, 932, 266	added manufature.	, 834	7, 703	Str. e gi () t bir	eam nes not ur- nes).	Owned. Steam	Inter- nal- com- bus- tion en-	ed. ³	tric horse- power gener- ated in estab- lish- ments re- port- ing.
	Wages Continu Wage earner	ed. Fo t: w	ract ork.	Rent factor \$723, 5 32, 4 7, 2 88, 1	of y. 594 \$	Taxes, Federal state, county, and local. 1,415,66 6,3- 1,8 131,00 22,8	55 \$3 48 47 32 88 80	Principal naterials. 32, 959, 431 835, 158 120, 794 3, 824, 742 715, 643 14, 258	Fuel: rent pow \$263,	er. pr	oducts.	\$30,709 713 170 3,439 614 42	, 834 , 339 , 587 , 462 , 835 , 388	7, 703 198 59 706 310	Ste e gi	eam en- nes not ur- nes).	Steam tur- bines.	Internal-combus-tion engines.	3,089 115 59 451 205 3	tric horse-power generated in establishments reporting.
United States California Colorado Illinois Indiana	Wages Continu Wage earner \$12,463, 360,61, 1,482,416, 17, 23,541, 202,202	ed. For the work of the work o	40,031 412 1,500	Rent factor \$723, 5 32, 4 7, 2 88, 1	of y	Taxes, Federal state, county, and local. 1,415,66 6,3- 1,8131,00 22,8	55 \$3 48 47 32 88 80 93 32 08 03 63	Principal naterials. 32, 959, 431 835, 158 120, 794 3, 824, 742 715, 643 14, 228 60, 424 1, 842, 242 377, 003 254, 763 2, 869, 500	Fuel: rent pow \$263, 17, 28, 3, 3, 27,	001 \$66 001 118 0011 118 008 008 009 009 009 009 009 009 009 00	,932,266 ,552,508 202,499 ,292,902 ,348,231	\$30,709 713 713 614 42 51 1,350 440 222 1,881	, 834 , 339 , 587 , 462 , 835 , 329 , 329 , 682 , 682 , 682 , 683	7, 703 199 50 700 310 81 144 7. 53	St. egi (1) t bit bit bit bit bit bit bit bit bit b	eam en- nes not ur- nes).	Steam turbines.	Internal-com-bus-tion on-gines.	3,089 115 59 451 205 3 8 88 23 75 240	tric horse-power generated in establishments reporting.
United States California. Colorado. Illinois. Indiana. Iowa. Maryland Massachusetts. Michigan.	Wages Continu Wage earner \$12,463, 360,61,1,482,416,17, 23,541,202,95,5855,855,12,939,2,750,357,357,	ed. Fo two ways and the second	40,031 412 1,500 1,105 200 300	Rent factor \$723, \$ 32, 4 7, 2 88, 1 3, 4 4, 8 4, (29, 6, 10, 5, 112, 8	of of y	Taxes, Federal state, county, and local. 1,415,63 6,3-1,8 131,022,88 22,88 4,22,88,4,2	55 \$3 48 47 32 88 80 93 32 08 08 03 63 26	Principal naterials. 32, 959, 431 835, 158 120, 794 3, 824, 742 715, 643 14, 258	Fuel: rent pow \$263, 4, 1, 28, 17, 3, 3, 27,	901 \$63 001 \$63 001 1 11 118 608 753 380 663 663 663 122 27 638 122 464	, 932, 266 , 552, 508 202, 499 , 292, 902 , 348, 231 57, 026 112, 316 , 206, 473	\$30,709 713 170 3,439 614 42 222 1,881 58 2,132 6,309 82 2,21 222	834 339 587 462 835 388 835 462 835 462 842 842 842 843 843 843 843 843 843 843 843 843 843	7,703 199 50 700 310 31 43 82 82 3	Stee gi Ot bin 3 4 50 50 50 50 50 50 50 50 50 50 50 50 50	eam in- nes and ill- nes). ,335 80 225 105 120 276 290 125	Steam turbines.	Internal-combustion engines.	3,089 115 59 451 205 88 88 23 75 240 9 158 433 98 32	trie- horse- power gener- ated in estab- lish- ments re- port- ing. 2,041 2181 222 224 246 267 268 268 268 268 268 268 26
United States California Colorado Illinois Indiana Iowa Maryland Massachusetts Michigan Minnesota Missouri Nebraska New Jersey New York Ohio	Wages Continu Wage earner \$12,463, 360, 610, 1482, 416, 120, 23, 541, 202, 95, 855, 12, 93, 9, 1,167, 76, 1,167, 90,	ed. Fo twwws.s.s.s. . Fo twwws.s.s.s.s. Fo twwws.s.s.s.s. Fo twwws.s.s.s.s.s.s.s. Fo twwws.s.s.s.s.s.s.s.s.s.s.s.s.s.s.s.s.s.	40,031 412 1,500 1,105 200 300 711 25,494	\$723, £ \$723, £ \$723, £ \$8, 1 7, 2 88, 1 12, 3 4, 4 20, 0, 3 12, 3 53, 6 27, 7 71, 3 3, 10, 0	of 594 \$ \$02 2766 (771 5375 5375 5375 5375 5375 5375 5375 5	Taxes, Federal state, country, and local. 1,415,66 6,3- 1,8 131,0 22,88 4,2 188,9 48,0 55,0 19,7 161,0 12,9	555 \$3 48 447 332 888 880 93 32 26 990 779 35 110 114 46 67.78 94	Principal naterials. 32, 959, 431 835, 158 120, 794 715, 643 14, 258 60, 424 1, 842, 242 377, 003 254, 763 2, 869, 500 27, 747 2, 761, 503 7, 624, 774 776, 074	\$263, \$263, 4, 1, 28, 17, 7, 3, 3, 8, 27, 15, 422, 7, 1, 1, 26, 3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	901 \$630 001 118 001 118 001 118 008 753 380 608 608 608 608 608 632 119 464 270 632 119 636 608 636 608 636 608 637 74	, 932, 266 , 552, 508 , 292, 499 , 292, 902 , 348, 231 , 57, 026 , 112, 316 , 206, 473 , 820, 912 , 480, 834 , 480, 916 , 976, 977 , 977, 087 (, 636, 384	\$30,709 713 170 3,439 614 440 422 1,881 58 2,132 6,309 832 2221 3,556 246 246 258 246 268 268 268 268 268 268 268 268 268 26	834 339 587 462 835 388 835 462 835 462 842 842 842 843 843 843 843 843 843 843 843 843 843	7, 70% 1997 507 7007 310 310 310 310 310 310 310 310 310 310	St. e gi () t blu 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	285 105 120 290 275 290	Steam turbines.	Internal-combustion engines.	3,089 115 59 451 205 3 88 88 23 75 240 9 158 433	tric horse power generated in establishments reporting. 2,041 225 225 200 225 154

¹ Same number reported for one or more other months.

² All other states embrace: Alabama, 1 establishment; Arizona, 1; Arkansas, 1; Connecticut, 3; District of Columbia, 1; Georgia, 2; Kansas, 3; Kentucky, 2; Louisiana, 2; Maine, 2; North Dakota, 1; Rhode Island, 1; South Dakota, 1; and Wyoming, 1.

⁸ Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

POCKETBOOKS.

GENERAL STATISTICS.

General character of the industry.—This industry embraces establishments manufacturing pocketbooks, purses, ladies' purse-hand bags, cardcases, wallets, coin purses, bill folds, brief cases, etc., made chiefly of leather. In addition to the establishments constituting the classified industry in 1919, production was reported to the value of \$110,772 by 7 establishments engaged in the manufacture of other products.

Comparative summary.—Table 92 presents the principal statistics for each census year from 1879 to 1919 inclusive. The large increase in financial items in 1919 as compared with 1914 was to a considerable extent, due to the general advance in prices, but the increase of 98.2 per cent in wage earners indicates a very material growth in the industry.

Wage earners, by months.—The figures in Table 93 reflect the steadiness of employment, or the reverse, from month to month. There was relatively less variation in employment, in 1919 than in 1914, the minimum-month number in 1919 being 81.6 per cent of the maximum month as compared with 73.3 per cent in 1914 and 78.1 per cent in 1909. The industry gave employment to a relatively large number of females, 47 per cent in 1919, and in the state of New York, the leading state, 36.6 per cent of the average number of wage earners were females.

Prevailing hours of labor.—In 1909 only 3.3 per cent, and in 1914 but 14.5 per cent of the total number of wage earners, as shown in Table 94, were in establishments where the prevailing hours of labor were 48 per week or less, but in 1919 there were 76.1 per cent in establishments of this class. On the other hand, 74.9 per cent of the wage earners in 1909 were in establishments where the hours were more than 54 per week, whereas in 1914 the percentage dropped to 18.9 per cent and in 1919 to 8.5 per cent. New York, which reported 63.4 per cent of the wage earners, showed three-fourths of them in establishments where the prevailing hours per week were 44 or under.

Size of establishments, by average number of wage earners.—The establishments in 1919 averaged 21 wage earners per establishment as compared with 23 in 1914. Table 95 indicates that the industry included a relatively large number of establishments owned by individuals and by firms in which the work was done by the proprietors since many of the establishments reported few or no wage earners. In 1919, 43.2 per cent of the establishments, reporting no wage earners or fewer than 6 per establishment, employed only 4.6 per cent of the total average number.

Character of ownership.—Table 96 shows that less than one-fourth of the establishments in this industry were incorporated, but these reported 41 per cent of the value of products. The group "All other," chiefly firms, forming 38.8 per cent of the number of establishments, reported 42.3 per cent of the products.

TABLE 92.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, 1899, 1889, AND 1879.

	-								PER C	ENT OF	INCREAS	E.1	
	1919	1914	1909	1904	1899	1889	1879	1914- 1919	1909- 1914	1904- 1909	1899- 1904	1889- 1899	1870- 1889
Number of establishments	139	64	79	46	68	62	53						
Persons engaged Proprietors and firm members	3, 497 168	1,738 81	1,771 100	2,500 62	1,862 85	(2) (2) (2)	(2) (2)	101.2	-1.9 -19.0	29:2	34.3		
Salaried employees	168 424 2, 905	191 1,466	199 1,472	157 2,281	124 1,653	(2) 1,208	$\binom{2}{2}$ 1,413	122.0 98.2	-4.0 -0.4	26.8 35.5	26. 6 38. 0	(3)	(1)
Primary horsepower	431 \$5, 427, 990	243 \$1,609,601	\$1,892,862	\$2,127,824	181 \$991,876	156 \$1,121,834	(2) \$598,350	77.4 237.2	36.5 15.0	-43.8 -11.0	75.1 114.5	16.0 11.6	
Salaries and wagesSalaries	4,187,167 1,125,264 3,061,903	941, 206 238, 892 702, 314	931, 067 242, 452 688, 615	1, 031, 431 234, 446 796, 985	734, 814 146, 219 588, 595	661, 992 (2) (2)	484, 947 (2) (2)	344.9 371.0 336.0	1.1 -1.5 2.0	-9.7 3.4 -13.6	40. 4 60. 3 35. 4	11.0	36.5
Paid for contract work. Rent and taxes Cost of materials Value of products. Value added by manufacture 5	7, 557, 155	20, 831 53, 232 1, 783, 840 3, 350, 552 1, 566, 712	4,115 61,473 1,929,327 3,628,161 1,698,834	22,000 4 28,938 1,926,723 3,767,446 1,840,723	2, 162 130, 285 1, 278, 226 2, 495, 188 1, 216, 962	(2) (2) 968, 948 2, 165, 462 1, 196, 514	(2) (2) 930,033 1,769,036 839,003	705. 9 429. 6 323. 6 334. 2 346. 3	406.2 -13.4 -7.5 -7.7 -7.8	$ \begin{array}{c c} -81.3 \\ 112.6 \\ 0.1 \\ -3.7 \\ -7.7 \end{array} $	917.6 -4.5 50.7 51.0 51.3		4.3

 $^{^1}$ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100. 2 Figures not available, 3 Figures not strictly comparable,

Exclusive of internal revenue.
Value of products less cost of materials.

TABLE 93.-WAGE EARNERS, BY MONTHS: 1919.

[Month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures.]

	Average number		NUMB	ER EMPLO	OYED ON	15th day	OF THE	MONTH O	R NEARES	et repres	ENTATIVI	E DAY.		Per
STATE.	em- ployed during year.	Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	Octo- ber.	Novem- ber.	Decem- ber.	mini- mum is of maxi- mum.
United States: 1919. Males. Formales. 1914.	1,364	2,605 1,431 1,174 1,300 1,380	2,718 1,477 1,241 1,399 1,467	2,778 1,490 1,288 1,545 1,431	2,760 1,465 1,295 1,506 1,358	2,754 1,458 1,296 1,432 1,324	2,791 1,464 1,327 1,398 1,403	2,892 1,542 1,350 1,438 1,347	3, 013 1, 608 1, 405 1, 517 1, 460	3,080 1,656 1,404 1,627 1,539	3,126 1,636 1,490 1,695 1,653	3, 194 1, 638 1, 556 1, 492 1, 695	3,169 1,627 1,542 1,243 1,614	81. 6 86. 4 75. 4 73. 3 78. 1
New York Males Females.	1,842 1,167 675	1,668 1,086 582	1,745 1,119 626	1,779 1,119 660	1,751 1,106 645	1,736 1,097 639	1,751 1,103 648	1,843 1,177 666	1, 934 1, 236 698	1,968 1,268 700	1,986 1,240 740	1, 989 1, 236 753	1,954 1,217 737	83. 9 85. 6 77. 3

TABLE 94.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK: 1919.

		IN	establishmen	ts where the	PREVAILING HO	ours of Labor	PER WEEK WE	RE-
STATE.	Total.	44 and under.	Between 44 and 48.	48.1	Between 48 and 54.	54.	Between 54 and 60.	60,
United States	2,905 1,466 1,472	1,555 (²) (²)	(3)	554 212 49	419 275 156	29 702 164	247 274 755	3 348
New York	1,842	1,398	101	67	243	20	13	

1 Includes 48 and under for 1914 and 1909.

² Corresponding figures not available.

TABLE 95.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS: 1919 AND 1914.

	ESTAI MEI		WAG	E EARNE NUMI	RS (AVEF BER).	EAGE		ESTAI MEI		WAGE	EARNEF NUMB	es (aver er).	AGE
WAGE EARNERS PER ESTABLISH- MENT.	1919	1914	1919	1914		ent of	WAGE EARNERS PER ESTABLISH- MENT.	1919	1914	1919	1914	Per ce tota	
					1919	1914						1919	1914
All establishments	139	64	2,905	1,466	100.0	100.0	21 to 50 wage earners	21	11	763 570	335 190	26.3 19.6	22.9 13.0
No wage earners	46	7 19 21	135 536	48 261	48 4,6 3,3		101 to 250 wage earners 251 to 500 wage earners	7	3	901	380 252	31.0	25, 9 17, 2

TABLE 96.—CHARACTER OF OWNERSHIP: 1919 AND 1914.

CHARACTER OF OWNERSHIP.	Cen- sus year.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of	Value added by manu'ac- ture,	CHARACTER OF OWNERSHIP.	Cen- sus year.	Num- ber of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manufac- ture,
All classes	1919 1914	139 64	2,905 1,466	\$14,549,659 3,350,552	\$6,992,504 1,566,712	Per cent distribution: Individual	1919 1914	35.3 46.9	19.3 14.6	16.7 17.6	16.8 16.7
Individual	1919 1914	49 30	561 214	2,425,813 588,335	1, 175, 720 261, 131	Corporation	1919 1914	25.9 21.9	47. 4 43. 3	41, 0 38, 1	42.1 41.9
Corporation	1919 191 4	36 14	1,378 635	5,963,039 1,276,523	2,943,191 656,609	All other	1919 1914	38, 8 31, 2	33. 3 42. 1	42, 3 44, 3	41.1 41.4
All other	1919 1914	54 20	966 617	6, 160, 807 1, 485, 694	2,873,593 648,972	,					

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GENERAL TABLE.

Detailed statement, by states.—The detailed statistics for the industry, for 1919, are given in Table 97, by states.

TABLE 97.—DETAILED STATEMENT, BY STATES: 1919.

			P	ERSON	s eng	GED IN	THE I	ndusti	RY.			NE	VAGE EAR AREST RE	NERS DE PRESENTA	C. 15, C ATIVE I	R AY.	
	Num-			Sala- ried	Clerk	s, etc.		Wage	earne	rs.			16 an	d over.	Und	er 16.	
STATE.	ber of estab- lish- ments.	Total.		offi- cers, super-				Num	ber, 15	ith day	of—						Capital.
		Total.	and firm mem- bers.	in- tend- ents, and man- agers.	Male.	Fe- male.	age ium- ber.	Max mo		Minim mon		Total	Male.	Fe- male.	Male.	Fe- male.	
United States	139	3, 497	168	123	180	121	2,905	No	3, 194	Ja 2,	G05	3, 190	1,602	1,497	33	58	\$5,427,990
California Ditnois Massachusetts New York Pennsylvania Wisconsin All other states *	3 10 10 93 7 6 10	6 122 442 2, 223 185 296 223	3 9 12 134 5 5 1	9 17 67 6 12 12	11 18 110 9 16 16	10 14 70 4 9	3 83 381 1,842 161 258 177	(1) No De No Fe De	3 111 434 1,989 169 317	Je	3 67 303 668 155 232	1,969 1,969 168 317 208	116 1,224 45 110	40 301 745 111 153 147	3 25 5	7 29 8	14,400 252,604 704,537 3,306,469 241,581 536,000 311,799
						EXP	enses.		Market State of								POWER,
		Salaries	and w	ages.			R	ent an	d taxe	88.	Fo	r mate	rials.			Value	, n.
STATE.	Officia		erks. te.	We earr	age iers.	For contract work.	Re	ent of tory.	Tax Fede stat coun and loca	ral, e, ty, 1	Princ mater	That i	Fuel and rent of power.	Value produc		ndded by manufac ture.	
United States	\$565,9	25 \$58	59, 339	\$ 3,06	31,903	\$ 167,87	\$1 7	7,636	\$ 104,	262	\$ 7,52	4, 883	\$ 32,272	\$14,549,	659	66, 992, 50	4 431
California. Illinois. Massaciusetts. New York. Pennsylvania. Wisconsin. All other states 1.	63, 2 118, 6 291, 1 13, 8 39, 4 39, 7	34 30 30	27, 031 31, 310 43, 402 23, 243 37, 817 46, 536	2,33 2,33 10	4, 296 82, 130 59, 623 37, 223 02, 850 59, 094 16, 687	4, 29 157, 16 5, 04 70 65	3 14 7 3	924 8,680 9,887 1,957 6,775 2,957 6,456	30,	937 604	16 61 5,91 19	3,928 1,179 2,010 3,503 7,050 2,737 4,476	131 847 5,138 18,208 1,531 4,082 2,335	10, 376, 1,324, 11,106, 453, 725, 552,	297 448	6,65 214,48 707,64 5,174,60 254,71 368,65 265,77	5 22 3 80 4 22 6 26

Same number reported throughout the year.
 All other states embrace: Colorado, 1 establishment; Maine, 1; Missourl, 1; New Jersey, 4; Ohio, 2; and Texas, 1.

LEATHER GOODS, NOT ELSEWHERE SPECIFIED.

GENERAL STATISTICS.

General character of the industry.—Establishments comprising this industry are those manufacturing leather goods that are not the products of one of the other leather industries, namely, (1) boots and shoes, (2) leather gloves and mittens, (3) boot and shoe cut stock, (4) boot and shoe findings, (5) leather belting, (6) pocketbooks, (7) saddlery and harness, (8) trunks and values.

In 1919 there were 503 establishments in which leather articles not otherwise provided for were the products of chief value, amounting to \$52,952,772. In addition, 53 establishments engaged primarily in the manufacture of other products, reported miscellaneous leather articles to the value of \$3,507,901.

Comparative summary.—Table 98 gives the principal statistics for each census year from 1879 to 1919. On account of the advance in prices since 1914, the increases in the financial items are only in part an indication of growth. The increase in average number of wage earners employed, 26.5 per cent, shows fair growth.

Wage earners, by months.—The figures in Table 99, which shows, by months, the number of wage earners employed, reflect the steadiness of employment or the reverse. There was somewhat greater fluctuation in employment in 1919 than in 1914. In New York, the leading state, the number for the minimum month was 74.6 per cent of that for the maximum month. In this industry 37.8 per cent of the wage earners reported were females, and for the states shown this proportion varied from 25.3 per cent in Illinois to 62.5 per cent in Minnesota.

Prevailing hours of labor.—Table 100 shows a classification of the wage earners according to the prevail-

ing hours of labor in the establishments in which they were employed. In 1909 only 3.8 per cent of the total number of wage earners were employed in establishments where the prevailing hours per week were 48 or less, and in 1914, 7.2 per cent, but in 1919 the percentage was 77.3. On the other hand, the proportion of the number of wage earners in establishments where the working hours were more than 54 per week decreased from 65.3 per cent in 1909 to 31.7 in 1914 and to 3.8 per cent in 1919. In New York, the leading state in the industry, 64.6 per cent of the wage earners were employed where the prevailing hours did not exceed 44.

Size of establishments, by average number of wage earners.—Though there was an increase of 125—33.1 per cent—in the number of establishments in 1919 as compared with 1914, the average number of wage earners per establishment was approximately the same. Table 101 shows that in 1914, 41.3 per cent of the establishments employed no wage earners or not more than 5, and in 1919, 46.1 per cent.

Character of ownership.—In this industry only 32.8 per cent of the establishments, as shown in Table 102, were corporations, but these reported practically two-thirds of the total value of products and of the wage earners employed. The average value of products per establishment in 1919 was \$201,000 for the corporations, \$40,000 for the establishments under individual ownership, and \$94,000 for those of the "All other" class, most of them being firms; in 1914 comparable figures were \$81,000, \$18,000, and \$72,000, respectively. The average wage earners per establishment in 1919 were 32 for the corporation group, 7 for individuals, and 17 for other forms of ownership.

TABLE 98.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, 1899, 1889, AND 1879.

									PER C	ENT OF	INCREA	se.1	
	1919	1914	1909	1904	1899	1889	1879	1914- 1919	1909- 1914	1904 1909	1890- 1904	1889- 1899	1879- 1889
Number of establishments	503	378	425	423	315	164	84	33. 1	-11.1	0.5	34.3	92. 1	
Persons engaged	11,141 488 1,708 8,945	8,623 396 1,156 7,071	9,318 448 1,189 7,681	9,196 499 912 7,785	(2) (2) 638 6,293	(2) (3) (3) (2),997	(2) (2) (2) 1,430	29. 2 23. 2 47. 8 26. 5	$ \begin{array}{r} -7.5 \\ -11.6 \\ -2.8 \\ -7.9 \end{array} $	1.3 -10.2 30.4 -1.3	42.9 23.7	(4)	(4)
Primary horsepower	3,902 \$33,341,468	3,272 \$10,951,427	3,851 \$10,389,283	3,554 \$8,508,111	1,644 \$5,511,294	2,264 \$3,571,847	(1) \$1,426,850	19.8 204.4	-15.0 5.4	8.4 22.1	116.2 54.4	-27.4 54.3	150.3
Salaries and wages Salaries Wages	13,437,845 4,022,442 9,415,403	5,042,101 1,438,236 3,603,865	5,034,746 1,411,546 3,623,200	4,020,551 883,426 3,137,125	2,833,895 562,140 2,271,755	1,618,770 (3) (3)	587, 208 (2) (3)	166.5 179.7 161.3	0.1 1.9 -0.5	25. 2 59. 8 15. 5	41.9 57.2 38.1	75.1	175.7
Paid for contract work. Rent and taxes. Cost of materials. Value of products. Value added by manufacture ⁶ .	469,120 1,166,571 30,035,537 52,952,772 22,917,235	98,493 391,101 10,632,124 19,333,934 8,701,810	100,248 319,905 10,290,439 18,838,281 8,547,842	90,745 4 309,410 9,626,614 17,655,345 8,028,731	(2) (3) 6,191,058 11,787,611 5,596,553	(2) (3) 3,324,828 6,291,507 2,966,679	(2) (2) 1,511,848 2,736,543 1,224,695	386. 2 198. 3 182. 5 173. 9 163. 4	-3,7 22.3 3.3 2.6 1.8	10. 5 3. 4 5. 9 6. 7 6. 5	55.5 49.8 43.5	86.2 87.4 88.6	119.9 129.9 142.2

¹ A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.
2 Figures not available.
3 Figures not available.
4 Exclusive of internal revenue.

TABLE 99.-WAGE EARNERS, BY MONTHS: 1919.

[Month of maximum employment is indicated by bold-faced figures and that of minimum employment by italic figures.]

[
	Average		NUMB	ER EMPLO	OYED ON	l5th day	OF THE 1	ionth or	NEARES	r repres	ENTATIVE	DAY.		Per cent
STATE.	number em- ployed during year.	January.	Febru- ary.	March.	April.	May.	June.	July.	August.	Septem- ber.	October.	Novem- ber	December.	mini- mum is of maxi- mum,
United States: 1919 Males Formales. 1914.	8,945 5,568 3,377 7,071 7,681	8,019 4,937 3,082 6,677 7,129	8,082 5,039 8,043 0,820 7,242	8,097 5,038 3,059 6,881 7,293	8,314 5,205 3,109 6,860 7,259	8, 458 5, 276 3, 182 6, 807 7, 248	8,575 5,344 3,231 6,939 7,252	9,012 5,588 3,424 6,988 7,418	9,240 5,770 3,470 7,115 7,789	9,328 5,801 3,527 7,553 8,139	9,973 6,227 3,746 7,854 8,489	10,153 6,338 3,815 7,417 8,623	10,089 6,253 3,836 6,941 8,264	79. 0 77. 9 79. 3 85. 0 82, 7
Illinois. Massachusetts. Minnesota. New Jersey. New York. Pennsylvania. States showing large proportion of females.	683 930 4,410	644 501 632 913 3,830 670	645 513 597 947 3,822 689	638 508 588 920 3,875 716	650 498 695 878 4,090 715	663 513 625 873 4,183 721	684 515 649 861 4,239 723	691 521 687 906 4,473 787	686 548 708 910 4,632 806	721 562 717 950 4,560 810	732 592 756 998 5,067 815	758 625 813 997 5,120 801	732 644 834 1,007 5,029 788	84.2 77.3 70.5 85.5 74.6 82.2 Per ct. av. is of
Illinois. Massachusetts. Minnesota. New Jersey New York Pennsylvania	1,277	165 241 399 425 1,140	162 246 364 433 1,075 362	169 236 861 423 1,113 372	166 253 362 403 1,156 376	164 233 392 401 1,209 379	108 245 403 <i>876</i> 1,282 379	174 241 425 414 1,316 421	171 250 436 403 1,346 422	184 202 452 405 1,321 426	183 275 479 443 1,468 428	197 302 516 430 1,479 419	105 308 535 430 1,469 407	25, 3 47, 0 62, 5 44, 7 29, 0 62, 5

Table 100.—Average number of wage earners, by prevailing hours of labor per week, for selected states: 1919.

		IN:					THE PR		ING								PHE PR		ING
STATE.	Total.	44and un- der.	Be- tween 44and 48.	48.1	Be- tween 48and 54.	54.	Be- tween 54 and 60.	80.	Over 60.	STATE.	Total.	44and un- der.	Be- tween 44and 48.	48.1	Be- tween 48and 54.	54.	Be- tween 54and 60.	60.	Over 60.
United States 1919 1914 1909		3,853 (2) (2)	661 (2) (2)	2,403 511 205		218 2,287 1,433	222 2,040 4,020	120 197 943	4 50	Massachusetts. Minnesota. New Jersey. New York	683 930	103 446 218 2,849	43 10 422	336 237 499 613	36 138 361	123	13 22 33	43	
Illinois	687	65	118	100	386	.10	3	5		Pennsylvania	753	99		394	361 208	48	3	i	

¹ Includes 48 and under for 1914 and 1909.

TABLE 101.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED STATES: 1919.

	TO	FAL.					E	STABLISH	MENTS EM	PLOYING					
STATE.	lish-		No wage earn- ers.	1 to 5 earn inclu		ear	0 wage ners, isive.	ear	50 wage ners, usive.	ear	00 wage ners, usive.	ear	250 wage ners, usive.		50 wage ners,
		(average number).	Estab- lish- ments.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.	Estab- lish- ments.	Wage earners.
United States 1919 1914	503 378	8, 945 7, 071	39 20	193 127	511 365	152 139	1,751 1,707	85 56	2,686 1,764	18 17	1,335 1,167	14 7	2, 132 985	2 3	530 1,083
Illinois, Massachusetts. Minnesota. New Jersey New York. Pennsylvania.	11	687 545 683 930 4,410 753	2 4 5 20 1	15 19 2 10 86 16	50 54 6 28 230 37	18 20 6 76 6	217 235 89 875 56	5 7 4 2 44 7	163 186 113 80 1,450 207	1 3 2 10 1	70 228 167 750 55	2 2 2 8 2	336 293 1,105 398	1	257 273

TABLE 102.—CHARACTER OF OWNERSHIP: 1919 AND 1914.

CHARACTER OF OWNERSHIP.	Cen- sus year.	Num- ber of estab- lish- ments.	Average number of wage carners.	Value of products.	Value added by manu- facture.	CHARACTER OF OWNERSHIP.	Cen- sus year.	Num- ber of stab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.
All classes	1919 1914	503 378	8,945 7,071	\$52,952,772 19,333,934	\$22,917,235 8,701,810	Per cent distribution: Individual	1919	43.7	18.3	15.5	16. 6
Individual	1919 1914	220 163	1,641 1,127		3,807,737 1,304,628	Corporation	1914 1919 1914	32. 8 28. 6	15.9 59.3 45.9	14.9 62.7 45,2	15, 0 61, 7 45, 3
Corporation	1919 1914	165 108	5,301 3,246	83,184,811 8,747,319	14,138,513 3,941,322	All other	1919 1914	23. 5 28. 3	22, 4 38, 2	20. 9 39. 9	21. 7 39. 7
All outer	1919 1914	118 107	2,003 2,698	11,043,429 7,708,314	4,970,985 3,455,860						*

² Corresponding figures not available.

GENERAL TABLE.

Detailed statement, by states.—Table 103 presents the detailed statistics for the industry, by states, for 1919.

Table 103.—DETAILED STATEMENT, BY STATES: 1919.

				PERSO	ns en	GAGED	IN THE	INDU	stry.			WAG NEARE	E EARNE	ERS DE	C. 15,	OR DAY.			E	EXPENS	SES.
	Num-			Sala-	Clerk	s, etc.		Wag	ge earn	ers.			16 and	over.	Und	er 16.		`	Salar	ies and	l wages.
STATE.	ber of estab- lish-	m-t-1	Pro- prie- tors	offl- cers, super-				Nun	ıber, 1	5th da	y of—	matal					Ca	pital.			
	ments.	Total.	and firm mem- bers.	in- tend- ents, and man- agers.	Male.	Fe- male.	Average number.		imum nth.		imum onth.	Total.	Male.	Fe- male	Male	Fe- male			Omei	als.	Clerks, etc.
United States	. 503	11, 141	488	563	718	427	8, 945	No :	10, 153	Ja	8, 019	10,076	6, 130	3,679	123	144	\$33,3	41,468	\$2, 204	, 193 \$	1,818,249
California Connecticut Illinois Indiana Maryland	$\begin{array}{c c} \cdot & 4 \\ \cdot & 41 \end{array}$	213 87 836 183 114	15 5 27 1 6	14 1 43 16 7	16 46 21 5	10 33 16 4	158 31 687 129 92	De De No De My	206 39 758 157 99	Mh Mh Mh My My	127 25 638 107 84	198 39 735 157 97	80 17 519 94 78	114 20 181 63 22	1 1 18 2	3 1 17	1,6 6 1	39,111 25,396 30,633 53,029 54,270	11 85.	196 ,000 ,389 ,307 ,820	21, 438 104, 978 52, 400 17, 562
Massachusetts Michigan Minnesota Missouri New Jersey	.] 8	677 225 839 126 1,055	37 11 4 4 25	36 24 37 13 43	32 8 75 11 42	27 9 40 5 15	545 173 683 93 930	De Ap De No De	644 192 834 104 1, 007	Ap Ja Mh My Je	498 145 588 80 861	647 187 753 101 1,009	319 117 279 51 539	293 70 474 47 392	19 2 34	16 1 44	2,2	66, 265 28, 781 90, 721 99, 995 53, 145	192, 39	796 895 685 085 623	84, 414 22, 428 172, 436 14, 720 132, 954
New York Ohio Oregon Pennsylvania	13	5, 519 187 22 947	272 11 4 43	262 15 1 34	368 14 2 75	207 11 1 42	4,410 136. 14 753	No De De Oc	5, 120 159 17 815	Fe Je My Ja	3,822 113 11 670	5,084 151 17 792	3,544 80 10 858	1,509 70 7 368	21 25	10 1 	4	92, 529 470, 089 44, 378 256, 440	1	022 578 000 171	1, 014, 407 18, 246 3, 875 150, 932
Rhode Island Washington Wisconsin All other states 2	3 6	29 11 20 101	3 8 9	2 2 13	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						4	,876 ,800 ,950	6,759								
			1	EXPENS	es—co	ontinue	d.			****								POWE	R.		
	Salarie and	s					7								····	Prin	mary	horsepo	ower.	-	Elec-
	wages- Continue	- ed.		Ren	t and t	axes.		For m	aterials	3.	Vol	ne of	Value added k	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			0	wned.			tric horse- power gener-
STATE,	Wages	con	or tract ork.	Rent (of F	raxes, 'ederal, state, ounty, and local.	Pri	ncipal terials	rei	el and at of wer.		uets.	manufa ture.	.c-	Potal.	Stee en gin (no tur bine	i- ies ot r-	Inter- nal- com- bus- tion en- gines.	Water pow- er. ⁸	Rent- ed.	ated
United States	\$9,415,4	03 \$46), 120	\$618, 1 8	35	\$ 548, 38	6 \$29,	856, 60	0 \$17	8, 937	\$52,9	52,772	\$22,917,	235	3,902		696	217	26	2,963	=
California Connecticut. Illinois Indiana Maryland	137, 1 25, 0 052, 8 124, 0 63, 8	15 53 12	50 312 3,908 1,145	15, 03 54 47, 30 9, 66 2, 8	10 31 32	2, 16 23 44, 97 54, 00 66	4 7 2,	330, 95 54, 40 252, 89 828, 82 153, 22	6 0 2	1,916 511 5,318 5,393 1,381	3,9 1,3	79, 927 05, 993 21, 630 00, 832 39, 837	347, (51, (1, 643, 466, (185, :	076 422 817 (58 5 523 134 28					58 5 348 134 8	i
Massachusetts Michigan Minnesotta Missouri New Jersey	417, 3 133, 6 623, 8 81, 9	79 61 84	2, 448 5, 673	32, 38 11, 38 22, 6 6, 18 14, 19	80 14 52	13, 38 14, 69 91, 44 3, 37 48, 63	ati i	113,94 824,18 544,67 337,60 641,64	9 1	6, 149 5, 479 2, 567 5, 288 6, 764	1,2 4,0	62, 710 58, 893 52, 079 74, 996 72, 545	932, 429, 1,494, 232, 1,914,	226 833 105	396 132 194 419 416		94 250	••••	14	288 90 182 419 101	
New YorkOhioOregonPennsylvania	5, 424, 8 104, 8 15, 1 631, 1	87 20	0,732 1,000 43	417, 33 8, 46 2, 24 19, 93	69 80 86	214, 93 8, 11 47 48, 01	5 17, 18 3 1,	173, 34 607, 05 36, 32 684, 44	6 1	0, 819 4, 359 1, 602 7, 503	3,2	22, 284 92, 124 68, 977 57, 715	13,088, 380, 31, 1,555,	048 766	1,025 156 12 359		157	34 8 50	10	981 148 12 152	20
Rhode Island	14, 5, 4 9, 5 37, 5	154	95 8, 714	1, 4 1, 5 7, 4, 2	19 26 26 30	13 19 17 2,78	10	19, 28 26, 18 68, 53 159, 16	13 15 11 17	787 122 578 2, 451	J.	47,855 41,996 84,479 67,900	27, 15, 15, 106,	885 739 370 282	12 4 4 25			6	2	6 4 4 23	

Same number reported for one or more other months.

'All other states embrace: Colorado, 2 establishments; Georgia, 4; Louisiana, 1; New Hampshire, 2; Texas, 1.

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