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**WAGES AND HOURS OF LABOR SERIES**

**WAGES AND HOURS OF LABOR**  
**IN THE BOOT AND SHOE**  
**INDUSTRY**  
**1910 TO 1928**



**SEPTEMBER, 1929**

**UNITED STATES**  
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# BULLETIN OF THE U. S. BUREAU OF LABOR STATISTICS

NO. 498

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## WAGES AND HOURS OF LABOR IN THE BOOT AND SHOE INDUSTRY 1910 TO 1928

### INTRODUCTION AND SUMMARY

This report presents all the details of the results of a study by the Bureau of Labor Statistics of wages and hours of labor of wage earners in the boot and shoe industry in the United States in 1928.

Summaries of the 1928 average full-time hours per week, of average earnings per hour, and of average full-time earnings per week are presented in Table 1 for the industry as a whole, for each of the principal occupations in the industry, and also for a group of miscellaneous employees which is listed as "Other employees." Averages for the industry and for the occupations are also shown for each of the years from 1910 to 1926 in which studies of the industry have been made by the bureau. Index numbers of these averages have been computed with the 1913 average as the base, or 100 per cent, and are also presented in the table.

Average full-time hours per week for the industry were 49.1 in 1928 and 49.0 in 1926, an increase of 0.1 hour per week in two years; average earnings per hour were 53 cents in 1928 and 52.8 cents in 1926, an increase of 0.2 cents per hour; and average full-time earnings per week were \$26.02 in 1928 and \$25.87 in 1926, an increase of only 15 cents per week in two years. The industry averages for the years from 1910 to 1914 are for the selected occupations only and are comparable one year with another. The averages for the years from 1914 to 1928 for all occupations are comparable one year with another, but are not comparable with the averages for selected occupations.

Average full-time hours per week of males in 1928 in the various occupations range from 45.4 for folders to 52 for machine turn lasters, and of females range from 48.1 for machine heel builders to 52 for hand heel builders.

Average earnings per hour of males in 1928 range from 38.8 cents for hand heel builders to 89 cents for Goodyear welters, and of females range from 31.8 cents for table workers to 50.5 cents for vampers.

Average full-time earnings per week of males in 1928 range from \$18.22 for lacers (before packing) to \$43.61 for Goodyear welters, and of females from \$15.36 for table workers to \$25.00 for assemblers for pulling-over machine. Average full-time earnings per week of females exceed those of males in only 1 of the 31 occupations for which figures are shown for both sexes, the difference being 94 cents for

heel builders, hand. In 30 of the 31 occupations the average full-time earnings per week of males exceed those of females, the difference ranging from \$2.46 for heel builders, machine, and sock-liners to \$17.48 for top stitchers.

The 1928 averages for the industry are for a total of 28,312 males and 20,346 females of 157 representative shoe factories in 14 States. The States, according to the 1925 United States Census of Manufactures, employed 197,820 wage earners, or 95.6 per cent of the total in the United States in that year. The number included in the 1928 study was 24.5 per cent of the number in the 14 States and 23.5 per cent of the total in all States.

The index numbers for the industry are for the purpose of making easy comparison one year with another over the entire period from 1910 to 1928. The indexes for selected occupations are for the years from 1910 to 1914 and are simple percentages with the 1913 average as the base. Those for all occupations are for each of the years from 1916 to 1928 and were computed by increasing or decreasing the 1914 index for selected occupations in proportion to the increase or decrease in the average for all occupations as between 1914 and the specified succeeding year.

Average full-time hours per week for the industry decreased from an index of 102.7 in 1910 to 88.2 in 1920, then gradually increased to 89.2 in 1928. The decrease between 1913 and 1920 was 11.8 per cent. The average increased 1 per cent between 1920 and 1928.

Average earnings per hour increased from an index of 92 in 1910 to 93.9 in 1911, decreased to 92.6 in 1912, increased to 232 in 1920, dropped to 207.9 in 1922, and increased to 220.3 in 1928.

The wage peak of the industry was reached in 1920 when average hourly earnings were two and one-third times those of 1913, as shown by index numbers. Between 1920 and 1922 average hourly earnings decreased about 10 per cent. Since the depression period which occurred immediately after the peak in 1920, each year has shown a steady increase. The increase in hourly earnings between 1922 and 1928 was approximately 6 per cent.

Average full-time earnings per week increased from an index of 94.1 in 1910 to 95.8 in 1911, decreased to 93.2 in 1912, increased to 203.7 in 1920, decreased to 184.7 in 1922 and increased to 196.6 in 1928. The increase between 1913 and 1920 was 103.7 per cent and the net decrease between 1920 and 1928 was 3.5 per cent. Average full-time earnings per week, however, did not increase or decrease in the same proportion as average earnings per hour because of the change from year to year in average full-time hours per week.

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>THE INDUSTRY</b>									
Selected occupations only.....	1910	60	10,581	56.5	\$0.286	\$16.07	102.7	92.0	94.1
	1911	81	15,028	56.3	.292	16.37	103.4	93.9	95.5
	1912	81	15,405	55.5	.288	15.91	100.9	92.6	93.2
	1913	85	18,911	55.0	.311	17.06	100.0	100.0	100.0
	1914	91	18,567	54.6	.314	17.11	99.3	101.0	100.3
All occupations.....	1914	91	49,376	54.7	.243	13.26	-----	-----	-----
	1916	136	60,692	54.6	.259	14.11	99.1	107.5	106.6
	1918	143	58,321	52.3	.336	17.54	94.9	139.7	138.5
	1920	117	51,247	48.6	.559	26.97	88.2	232.0	203.7
	1922	104	47,861	48.7	.501	24.45	88.4	207.9	184.7
	1924	106	45,490	49.0	.516	25.28	88.9	214.1	190.9
	1926	164	52,697	49.0	.528	25.87	88.9	219.1	195.4
	1928	157	48,658	49.1	.530	26.03	89.2	220.3	196.6

## CUTTING DEPARTMENT

Cutters, vamp and whole shoe, hand:									
Male.....	1910	48	1,650	56.3	\$0.319	\$17.86	103.3	90.9	93.8
	1911	64	2,066	56.2	.313	17.50	103.1	89.2	91.9
	1912	71	1,995	55.0	.322	17.58	100.9	91.7	92.3
	1913	71	1,987	54.5	.351	19.05	100.0	100.0	100.0
	1914	75	1,812	54.0	.366	19.66	99.1	104.3	103.2
	1916	113	2,355	53.9	.375	20.12	98.9	106.8	105.6
	1918	114	2,319	52.0	.494	25.06	95.4	137.9	131.5
	1920	91	2,050	47.8	.829	40.29	87.7	236.2	211.5
	1922	84	1,915	48.3	.787	38.11	88.6	224.2	200.1
	1924	83	2,009	48.4	.838	40.56	88.8	238.7	212.9
	1926	103	2,129	48.9	.808	39.51	89.7	230.2	207.4
	1928	110	1,777	48.6	.824	40.05	89.2	234.8	210.2
Cutters, vamp and whole shoe, machine:									
Male.....	1910	17	235	57.8	.301	17.23	104.5	93.2	97.0
	1911	20	270	57.0	.313	17.69	103.1	96.9	99.5
	1912	33	490	55.8	.313	17.36	100.9	96.9	97.7
	1913	33	549	55.3	.323	17.77	100.0	100.0	100.0
	1914	40	642	55.3	.325	17.93	100.0	100.6	100.9
	1916	67	1,059	54.9	.331	18.07	99.3	102.5	101.7
	1918	66	1,202	52.2	.444	23.04	94.4	137.5	129.7
	1920	56	942	48.9	.806	37.94	88.4	249.5	213.5
	1922	48	867	49.2	.647	31.99	89.0	200.3	180.0
	1924	54	777	49.9	.687	34.28	90.2	212.7	192.9
	1926	54	782	49.4	.658	32.51	89.3	203.7	182.9
	1928	59	882	48.7	.669	32.58	88.0	207.1	183.3
Female.....	1920	10	73	53.8	.393	21.69	-----	-----	-----
	1922	8	62	52.5	.435	23.51	-----	-----	-----
	1924	4	45	53.2	.310	16.49	-----	-----	-----
	1926	15	58	49.9	.501	25.00	-----	-----	-----
	1928	10	43	50.3	.471	23.69	-----	-----	-----
Cutters, trimmings, hand (including dinkers and blockers):									
Male.....	1920	87	884	48.0	0.452	22.27	-----	-----	-----
	1922	79	747	48.2	.460	22.02	-----	-----	-----
	1924	85	736	48.8	.485	23.67	-----	-----	-----
	1926	95	837	49.3	.516	25.44	-----	-----	-----
	1928	101	733	48.9	.530	25.92	-----	-----	-----
Female.....	1920	11	38	50.1	.284	13.98	-----	-----	-----
	1922	7	42	48.0	.299	14.82	-----	-----	-----
	1924	6	29	52.1	.348	18.13	-----	-----	-----
	1926	9	26	49.2	.404	19.88	-----	-----	-----
	1928	6	19	49.7	.363	18.04	-----	-----	-----

<sup>1</sup> Two sets of averages are shown for this year—one for *selected occupations* and the other for *all occupations* in the industry. The 1910 to 1914 averages for *selected occupations* are comparable one year with another, as are those for *all occupations* one year with another from 1914 to 1928.

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>CUTTING DEPARTMENT—Continued</b>									
Cutters, trimmings, machine:									
Male.....	1920	37	163	49.1	\$.425	\$21.20			
	1922	30	116	50.3	.398	20.05			
	1924	42	187	50.3	.400	20.12			
	1926	47	173	49.8	.439	21.86			
	1928	50	259	49.9	.436	21.76			
Female.....	1920	12	66	50.7	.273	13.77			
	1922	7	37	49.8	.323	16.20			
	1924	10	47	49.9	.280	13.97			
	1926	18	74	49.0	.378	18.52			
	1928	9	36	49.4	.372	18.38			
Skivers, upper:									
Male.....	1910	12	74	54.7	.288	15.80	100.4	96.3	97.4
	1911	28	136	54.8	.292	15.98	100.6	97.7	98.5
	1912	32	156	54.7	.282	15.41	100.4	94.3	94.9
	1913	32	134	54.5	.299	16.23	100.0	100.0	100.0
	1914	29	116	54.4	.299	16.13	99.8	100.0	99.4
	1916	32	124	54.6	.311	16.93	100.2	104.0	104.3
	1918	23	96	50.9	.423	21.55	93.4	141.5	132.8
	1920	29	87	48.1	.596	28.58	88.3	199.3	176.1
	1922	31	77	47.6	.595	28.48	87.3	199.0	175.5
	1924	29	100	48.0	.619	29.71	88.1	207.0	183.1
	1926	37	96	48.4	.668	32.33	88.8	223.4	199.2
	1928	34	98	48.1	.653	31.41	88.3	218.4	193.5
Female.....	1910	49	338	57.0	.175	9.94	104.4	83.7	87.3
	1911	60	374	57.0	.176	9.97	104.4	84.2	87.6
	1912	67	371	55.0	.193	10.58	100.7	92.3	93.0
	1913	67	439	54.6	.209	11.38	100.0	100.0	100.0
	1914	77	446	54.1	.209	11.30	99.1	100.0	99.3
	1916	113	591	54.0	.209	11.26	98.9	100.0	98.9
	1918	121	697	51.7	.267	14.73	94.7	127.8	129.4
	1920	105	611	48.7	.434	21.47	89.2	207.7	188.7
	1922	94	539	48.6	.430	20.84	89.0	205.7	183.1
	1924	89	474	49.0	.472	23.12	89.7	225.8	203.2
	1926	113	552	48.9	.496	23.77	89.6	232.5	208.9
	1928	110	541	49.1	.458	22.49	89.9	219.1	197.6
Cutters, linings, hand:									
Male.....	1920	53	233	47.8	.665	32.88			
	1922	66	229	48.0	.684	32.82			
	1924	73	285	48.4	.585	28.31			
	1926	85	373	49.1	.642	31.52			
	1928	91	338	48.7	.649	31.61			
Female.....	1926	6	42	48.9	.307	15.01			
	1928	3	6	49.7	.416	20.68			
Cutters, linings, machine:									
Male.....	1920	48	111	49.2	.561	27.82			
	1922	42	98	49.6	.552	27.58			
	1924	48	133	49.2	.577	28.39			
	1926	54	197	49.0	.523	25.63			
	1928	54	179	49.2	.566	27.85			
Female.....	1928	4	7	49.7	.334	16.60			
<b>SOLE-LEATHER DEPARTMENT</b>									
Cutters, outsole:									
Male.....	1910	31	143	56.6	\$.274	\$15.44	102.2	90.4	92.5
	1911	36	146	56.6	.278	15.70	102.2	91.7	94.1
	1912	42	177	56.2	.281	15.75	101.4	92.7	94.4
	1913	42	196	55.4	.303	16.69	100.0	100.0	100.0
	1914	47	225	55.0	.302	16.64	99.3	99.7	99.7
	1916	64	345	54.7	.307	16.74	98.7	101.3	100.3
	1918	76	416	52.1	.406	21.02	94.0	133.7	125.9
	1920	60	331	48.4	.716	34.79	87.4	236.3	208.4
	1922	52	264	48.5	.706	34.09	87.5	233.0	204.3
	1924	53	269	48.4	.731	35.38	87.4	241.3	212.0
	1926	70	273	48.6	.716	34.80	87.7	236.3	208.5
	1928	60	285	49.3	.716	35.30	89.0	236.3	211.5

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>SOLE-LEATHER DEPARTMENT—Continued</b>									
<b>Cutters, insole:</b>									
<b>Male</b> .....	1920	40	184	48.4	\$0.694	\$33.55			
	1922	43	193	48.3	.680	32.77			
	1924	38	268	48.4	.709	34.32			
	1926	43	217	48.8	.640	31.23			
	1928	54	349	49.2	.644	31.68			
<b>Rounders, outsole or insole:</b>									
<b>Male</b> .....	1920	73	161	48.8	.576	28.21			
	1922	76	158	48.9	.563	27.48			
	1924	80	153	49.1	.591	29.02			
	1926	103	182	49.1	.629	30.88			
	1928	89	166	49.8	.627	31.22			
	1920	8	12	48.5	.411	19.90			
<b>Female</b> .....	1922	4	5	48.8	.268	13.04			
	1924	3	5	49.1	.443	21.75			
	1926	2	4	52.5	.592	31.08			
<b>Channellers, outsole or insole:</b>									
<b>Male</b> .....	1910	44	138	56.3	-.296	16.61	101.6	88.9	90.2
	1911	57	157	56.3	-.289	16.21	101.6	86.8	88.0
	1912	72	200	56.9	-.298	16.62	100.9	89.5	90.2
	1913	75	196	56.4	-.333	18.42	100.0	100.0	100.0
	1914	77	213	56.2	-.331	18.24	99.6	99.4	99.0
	1916	107	255	55.0	-.340	18.69	99.3	102.1	101.5
	1918	122	268	52.5	-.430	22.42	94.8	129.1	121.7
	1920	108	240	48.8	-.696	34.23	88.1	209.0	186.8
	1922	89	198	49.3	-.649	32.92	89.0	194.9	173.8
	1924	88	207	49.1	-.669	32.85	88.6	200.9	178.3
	1926	100	199	49.9	-.709	34.67	88.3	212.9	188.2
	1928	93	193	49.5	-.681	33.71	89.4	204.5	183.0
<b>Cutters, top and heel lifts, machine:</b>									
<b>Male</b> .....	1920	47	222	49.0	-.513	24.95			
	1922	43	364	48.5	-.537	25.99			
	1924	33	265	48.3	-.512	24.73			
	1926	32	106	48.5	-.515	24.98			
	1928	33	131	48.4	-.517	25.02			
<b>Heel builders, hand:</b>									
<b>Male</b> .....	1920	15	58	50.1	-.568	28.44			
	1922	15	49	50.4	-.495	24.74			
	1924	14	21	50.1	-.506	24.35			
	1926	10	18	49.8	-.483	24.05			
	1928	11	32	51.6	-.388	20.02			
<b>Female</b> .....	1920	8	60	46.8	-.415	19.40			
	1922	9	34	48.0	-.429	20.46			
	1924	7	20	48.6	-.477	23.18			
	1926	8	19	50.0	-.500	25.00			
	1928	5	23	52.0	-.403	20.96			
<b>Heel builders, machine (including compressors):</b>									
<b>Male</b> .....	1920	37	90	49.2	-.470	23.19			
	1922	33	119	48.9	-.497	24.29			
	1924	24	70	48.6	-.516	25.08			
	1926	24	47	48.7	-.527	25.66			
	1928	23	97	48.7	-.498	24.25			
<b>Female</b> .....	1920	16	90	47.3	-.407	19.38			
	1922	17	214	48.3	-.411	19.85			
	1924	17	157	48.2	-.442	21.30			
	1926	18	93	48.2	-.466	22.46			
	1928	13	124	48.1	-.453	21.79			

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>FITTING OR STITCHING DEPARTMENT</b>									
<b>Stampers, linings or uppers (including markers):</b>									
Male.....	1920	12	19	48.1	\$0.424	\$20.59			
	1922	11	14	49.4	.411	20.36			
	1924	15	28	49.6	.407	20.19			
	1926	15	34	49.2	.434	21.35			
	1928	7	15	48.0	.621	29.81			
Female.....	1920	91	281	48.0	.393	19.02			
	1922	90	426	48.6	.369	17.87			
	1924	92	444	46.6	.380	17.71			
	1926	121	670	48.8	.386	18.84			
	1928	123	570	48.9	.400	19.56			
<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters):</b>									
Male.....	1920	14	21	47.5	.453	21.78			
	1922	8	29	48.2	.528	25.45			
	1924	12	24	47.8	.585	27.96			
	1926	18	42	50.8	.374	19.00			
	1928	5	9	46.2	.636	29.33			
Female.....	1920	107	1,133	48.6	.353	17.29			
	1922	89	913	48.5	.337	16.36			
	1924	96	1,031	49.1	.328	16.10			
	1926	118	1,426	49.3	.340	16.76			
	1928	124	1,318	49.3	.330	16.27			
<b>Folders, hand and machine:</b>									
Male.....	1922	5	20	47.8	.715	33.42			
	1924	6	38	47.3	.709	33.84			
	1926	10	61	46.0	.967	43.07			
	1928	11	51	46.4	.808	36.68			
Female.....	1920	74	769	48.4	.419	20.43			
	1922	71	826	48.4	.413	19.86			
	1924	93	840	48.7	.420	20.45			
	1926	121	1,002	48.7	.453	22.06			
	1928	119	928	48.8	.416	20.30			
<b>Perforators:</b>									
Male.....	1920	16	22	48.5	.510	24.44			
	1922	28	60	49.0	.482	23.68			
	1924	16	42	48.4	.512	24.78			
	1926	12	30	48.2	.614	29.59			
	1928	18	34	48.3	.648	31.30			
Female.....	1920	82	218	48.2	.434	21.19			
	1922	84	422	48.3	.444	21.43			
	1924	90	295	48.4	.430	21.24			
	1926	102	372	49.5	.441	21.83			
	1928	96	269	49.4	.424	20.95			
<b>Tip stitchers:</b>									
Female.....	1911	36	134	55.8	.205	11.38	102.0	93.6	95.3
	1912	79	335	54.9	.208	11.36	100.4	95.0	95.1
	1913	79	337	54.7	.219	11.94	100.0	100.0	100.0
	1914	83	348	54.2	.219	11.87	99.1	100.0	99.4
	1916	124	442	54.0	.231	12.45	98.7	105.5	104.3
	1918	125	437	51.8	.288	14.86	94.7	131.5	124.5
	1920	106	355	48.7	.447	21.77	89.0	204.1	182.3
	1922	92	362	48.6	.424	20.68	88.8	193.6	173.2
	1924	86	284	48.9	.475	23.23	89.4	216.9	194.6
	1926	84	327	48.7	.480	23.38	89.0	219.2	195.8
	1928	69	260	48.8	.440	21.47	89.2	200.9	179.8
<b>Closers or seamers:</b>									
Male.....	1920	10	19	47.6	.628	30.72			
	1922	8	12	48.2	.487	22.88			
	1924	5	11	48.4	.496	24.00			
	1926	7	21	47.9	.633	30.32			
	1928	8	16	47.8	.624	29.83			
Female.....	1920	97	441	48.8	.396	19.48			
	1922	92	409	49.1	.370	18.23			
	1924	98	383	49.3	.397	19.57			
	1926	119	413	49.3	.403	19.87			
	1928	117	379	49.5	.407	20.15			

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>									
Seam rubbers, hand and machine:									
Male.....	1920	16	28	48.7	\$0.404	\$19.23			
	1922	13	26	47.6	.348	16.48			
	1924	15	20	48.4	.407	19.70			
	1926	14	21	48.1	.481	23.14			
	1928	13	20	48.0	.408	19.68			
Female.....	1920	69	157	49.1	.304	15.21			
	1922	49	99	48.5	.302	14.79			
	1924	53	88	47.8	.323	15.44			
	1926	62	100	48.9	.341	16.67			
	1928	50	106	49.3	.346	17.06			
Lining makers (including lining closers and side and top facing stitchers):									
Female.....	1910	53	585	56.5	.164	9.19	103.5	86.3	88.5
	1911	72	721	56.5	.166	9.28	103.5	87.4	89.4
	1912	80	764	55.0	.170	9.31	100.7	89.5	89.7
	1913	80	864	54.6	.190	10.38	100.0	100.0	100.0
	1914	84	852	54.1	.189	10.21	99.1	99.5	98.4
	1916	126	1,004	53.9	.198	10.69	98.7	104.2	103.0
	1918	132	1,138	51.5	.241	12.35	94.3	126.8	119.0
	1920	112	1,149	48.6	.378	18.40	89.0	188.9	177.3
	1922	97	1,055	48.8	.362	17.71	89.4	190.5	170.6
	1924	100	1,012	49.3	.369	18.19	90.3	194.2	175.2
	1926	124	1,170	49.3	.413	20.36	90.3	217.4	196.1
	1928	129	1,046	49.2	.398	19.58	90.1	209.5	188.6
Closers on:									
Female.....	1910	49	262	57.1	.178	10.13	105.0	91.8	96.2
	1911	65	350	56.9	.180	10.18	104.6	92.8	96.7
	1912	74	344	55.0	.186	10.17	101.1	95.8	96.6
	1913	74	349	54.4	.194	10.53	100.0	100.0	100.0
	1914	77	347	53.9	.193	10.42	99.1	99.5	99.0
	1916	83	360	53.6	.204	10.95	98.5	105.2	104.0
	1918	90	351	52.0	.237	12.28	95.6	122.2	116.6
	1920	47	133	49.4	.358	17.98	90.8	184.5	170.8
	1922	35	129	50.2	.394	19.88	92.3	203.1	188.8
	1924	22	63	49.5	.415	20.55	91.0	213.9	195.2
	1926	13	27	50.3	.336	16.90	92.5	173.2	160.5
	1928	3	7	49.1	.382	18.76	90.3	196.9	178.2
Top stitchers (including undertrimmers and barber trimmers):									
Male.....	1920	16	57	48.0	.639	30.74			
	1922	19	64	48.1	.657	31.69			
	1924	21	78	47.9	.675	32.33			
	1926	27	90	47.1	.773	36.41			
	1928	30	132	47.9	.830	39.76			
Female.....	1910	53	721	56.3	.188	10.69	103.1	89.5	93.2
	1911	73	911	56.9	.194	10.95	104.2	92.4	95.5
	1912	82	1,033	54.9	.198	10.81	100.5	94.3	94.2
	1913	82	1,070	54.6	.210	11.47	100.0	100.0	100.0
	1914	86	1,076	54.2	.212	11.48	99.3	101.0	100.1
	1916	128	1,427	54.0	.220	11.87	98.9	104.8	103.5
	1918	135	1,364	51.6	.285	14.57	94.5	135.7	127.0
	1920	112	1,187	48.5	.448	21.94	88.8	213.3	191.3
	1922	100	1,195	48.8	.433	21.16	89.4	206.2	184.5
	1924	97	1,184	49.3	.462	22.77	90.3	220.0	198.5
	1926	121	1,469	49.3	.486	23.96	90.3	231.4	208.9
	1928	124	1,399	49.4	.451	22.28	90.5	214.8	194.2
Binders (including top banders):									
Female.....	1920	36	141	50.3	.455	23.03			
	1922	49	257	49.3	.485	23.75			
	1924	65	361	49.1	.478	23.47			
	1926	88	461	49.2	.560	27.55			
	1928	92	534	49.2	.492	24.21			

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>									
<b>Buttonhole makers:</b>									
<b>Female.....</b>	1911	33	108	56.3	\$0.176	\$9.83	102.9	90.7	92.7
	1912	74	468	55.1	.180	9.87	100.7	92.8	93.1
	1913	74	517	54.7	.194	10.60	100.0	100.0	100.0
	1914	80	506	53.9	.198	10.70	98.5	102.1	100.9
	1916	113	466	53.8	.217	11.65	98.4	111.9	109.9
	1918	82	140	52.2	.262	13.62	95.4	135.1	128.5
	1920	46	70	49.3	.391	19.48	90.1	201.5	183.8
	1922	47	83	49.6	.369	18.20	90.7	190.2	171.7
	1924	44	66	49.3	.380	18.73	90.1	195.9	176.7
	1926	65	110	49.1	.444	21.80	89.8	228.9	205.7
	1928	57	81	49.2	.401	19.73	89.9	206.7	186.1
<b>Button fasteners:</b>									
<b>Female.....</b>	1911	26	55	56.4	.157	8.88	102.9	78.9	81.1
	1912	72	205	55.3	.177	9.78	100.9	88.9	89.3
	1913	72	232	54.8	.199	10.95	100.0	100.0	100.0
	1914	66	198	53.7	.197	10.57	98.0	99.0	96.5
	1916	94	195	53.8	.211	11.32	98.2	106.0	103.4
	1918	64	102	52.7	.230	12.06	96.2	115.6	110.1
	1920	33	44	48.4	.386	18.56	88.3	194.0	169.5
	1922	44	76	49.2	.338	16.51	89.8	169.8	150.8
	1924	38	68	49.4	.332	16.40	90.1	166.8	149.8
	1926	49	80	50.0	.389	19.45	91.2	195.5	177.6
	1928	30	48	49.8	.352	17.53	90.9	176.9	160.1
<b>Eyeleters (including hookers):</b>									
<b>Male.....</b>	1920	31	75	48.4	.582	28.08	-----	-----	-----
	1922	31	73	48.3	.514	24.64	-----	-----	-----
	1924	33	68	49.2	.578	28.44	-----	-----	-----
	1926	39	74	49.0	.567	27.29	-----	-----	-----
	1928	36	59	48.8	.588	28.69	-----	-----	-----
<b>Female.....</b>	1918	92	223	51.7	.268	13.64	-----	-----	-----
	1920	92	232	48.7	.442	21.61	-----	-----	-----
	1922	71	160	49.2	.415	20.26	-----	-----	-----
	1924	69	119	49.1	.444	21.80	-----	-----	-----
	1926	66	128	48.7	.473	23.04	-----	-----	-----
	1928	62	110	49.7	.435	21.62	-----	-----	-----
<b>Vampers:</b>									
<b>Male.....</b>	1910	33	263	55.5	.293	16.24	101.3	91.6	93.0
	1911	51	343	55.5	.315	17.42	101.3	98.4	99.7
	1912	66	483	55.0	.306	16.76	100.4	95.6	95.9
	1913	66	554	54.8	.320	17.47	100.0	100.0	100.0
	1914	65	534	54.6	.312	17.04	99.6	97.5	97.5
	1916	82	624	54.6	.333	18.14	99.6	104.1	103.8
	1918	53	573	51.5	.442	22.73	94.0	138.1	130.1
	1920	55	400	47.9	.700	33.85	87.4	218.8	193.8
	1922	52	357	47.8	.628	30.09	87.2	196.3	172.2
	1924	49	304	48.2	.707	34.08	88.0	220.9	195.1
	1926	63	294	48.2	.741	35.72	88.0	231.6	204.5
	1928	54	270	48.2	.727	35.04	88.0	227.2	200.6
<b>Female.....</b>	1910	53	863	56.9	.238	13.46	104.0	96.7	100.1
	1911	71	1,124	56.5	.238	13.46	103.3	96.7	100.1
	1912	79	1,088	55.1	.230	12.68	100.7	93.5	94.3
	1913	79	1,072	54.7	.246	13.45	100.0	100.0	100.0
	1914	85	1,116	54.1	.243	13.14	98.9	98.8	97.7
	1916	121	1,383	53.9	.254	13.66	98.5	103.3	101.6
	1918	132	1,477	51.7	.312	16.11	94.5	126.8	119.8
	1920	111	1,313	48.8	.506	25.09	89.2	205.7	186.5
	1922	98	1,142	49.0	.480	23.54	89.6	195.1	175.0
	1924	99	1,053	49.4	.519	25.64	90.3	211.0	190.6
	1926	123	1,170	49.1	.531	26.07	89.8	215.9	193.8
	1928	119	1,022	49.3	.505	24.90	90.1	205.3	185.1
<b>Barrers (including tackers):</b>									
<b>Female.....</b>	1920	69	138	48.5	.388	19.21	-----	-----	-----
	1922	64	110	48.7	.368	17.93	-----	-----	-----
	1924	62	106	49.1	.393	19.30	-----	-----	-----
	1926	57	96	49.5	.389	19.26	-----	-----	-----
	1928	39	57	49.5	.393	19.45	-----	-----	-----

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>									
Tongue stitchers:									
Female.....	1920	69	194	48.8	\$0.343	\$16.95			
	1922	63	205	48.7	.362	17.75			
	1924	62	159	48.0	.413	20.24			
	1926	68	223	48.8	.401	19.57			
	1928	66	203	48.0	.386	18.91			
Fancy stitchers:									
Male.....	1926	16	46	47.4	.763	36.17			
	1928	20	135	47.2	.778	36.72			
Female.....	1920	43	179	47.7	.459	22.50			
	1922	75	764	48.6	.444	21.54			
	1924	86	1,467	49.1	.451	22.14			
	1926	112	2,598	49.4	.452	22.33			
	1928	124	2,534	49.4	.423	20.90			
Backstay stitchers (including back strappers):									
Female.....	1910	49	307	56.6	.177	9.95	103.5	90.8	93.7
	1911	67	392	56.5	.185	10.42	103.3	94.9	98.1
	1912	73	423	55.1	.187	10.31	100.7	95.9	97.1
	1913	78	389	54.7	.195	10.62	100.0	100.0	100.0
	1914	82	432	54.3	.197	10.68	99.3	101.0	100.6
	1916	125	675	54.0	.213	11.47	98.7	109.2	108.0
	1918	124	560	51.9	.261	13.49	94.9	133.8	127.0
	1920	98	428	48.7	.417	20.52	89.0	213.8	193.2
	1922	83	402	48.8	.378	18.47	89.2	193.8	173.9
	1924	67	267	49.2	.413	20.32	89.9	211.8	191.3
	1926	85	337	48.8	.433	21.13	89.2	222.1	199.0
	1928	77	279	49.1	.419	20.57	89.8	214.9	193.7
Table workers:									
Female.....	1920	47	332	47.3	.327	15.78			
	1922	66	797	48.7	.285	13.85			
	1924	80	700	48.6	.302	14.68			
	1926	98	893	48.4	.303	14.67			
	1928	88	672	48.3	.318	15.36			
Lacers (before lasting):									
Male.....	1920	9	14	48.1	.441	21.48			
	1922	8	12	47.8	.325	14.39			
	1924	7	13	48.0	.430	20.64			
	1926	7	10	48.6	.356	17.30			
	1928	6	6	49.7	.428	21.27			
Female.....	1920	86	193	48.5	.348	16.94			
	1922	71	142	48.5	.367	17.86			
	1924	67	124	49.3	.399	19.67			
	1926	72	112	48.9	.386	18.88			
	1928	83	128	49.3	.373	18.39			
<b>LASTING DEPARTMENT</b>									
Last pickers or sorters (including last casers):									
Male.....	1920	72	271	48.3	\$0.456	\$22.05			
	1922	81	238	48.8	.426	20.78			
	1924	85	262	48.3	.455	21.98			
	1926	106	291	49.2	.491	24.16			
	1928	105	245	49.3	.477	23.52			
Assemblers, for pulling-over machine:									
Male.....	1911	17	218	55.4	.274	15.14	100.0	100.7	100.9
	1912	50	542	55.8	.238	13.21	100.7	87.5	88.0
	1913	54	697	55.4	.272	15.01	100.0	100.0	100.0
	1914	64	708	55.3	.279	15.37	99.8	102.6	102.4
	1916	97	801	55.0	.291	16.02	99.3	107.0	106.7
	1918	102	726	52.6	.398	20.85	94.9	146.3	138.9
	1920	88	691	48.6	.638	31.49	87.7	234.6	209.8
	1922	70	593	49.0	.567	27.94	88.4	208.5	186.1
	1924	81	421	49.3	.554	27.31	89.0	203.7	181.9
	1926	113	541	49.1	.596	29.26	88.6	219.1	194.9
	1928	116	537	49.0	.577	28.27	88.4	212.1	188.3

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>LASTING DEPARTMENT—Continued</b>									
<b>Assemblers, for pulling-over machine—Continued.</b>									
Female.....	1920	23	77	48.5	\$0.500	\$24.20			
	1922	15	58	49.0	.434	21.35			
	1924	8	33	50.0	.399	19.95			
	1926	9	36	49.6	.422	20.93			
	1928	10	26	49.9	.501	25.00			
<b>Pullers-over, hand:</b>									
Male.....	1910	35	784	56.4	.291	16.38	102.0	87.4	89.2
	1911	45	897	56.3	.312	17.50	101.8	93.7	95.3
	1912	52	1,086	55.3	.316	17.41	100.0	94.9	94.8
	1913	52	937	55.3	.333	18.37	100.0	100.0	100.0
	1914	49	749	54.9	.350	19.21	99.3	105.1	104.6
	1916	46	543	54.8	.347	18.99	99.1	104.2	103.4
	1918	35	344	51.7	.478	24.62	93.5	143.5	134.0
	1920	25	211	47.0	.803	38.17	85.0	241.1	207.8
	1922	16	97	46.7	.813	38.29	84.4	244.1	208.4
	1924	14	50	49.3	.704	34.71	89.2	211.4	188.9
	1926	11	47	47.5	.828	39.33	85.9	248.6	214.1
	1928	13	32	48.4	.710	34.36	87.5	213.2	187.0
<b>Pullers-over, machine:</b>									
Male.....	1910	31	251	57.4	.320	18.37	103.6	91.2	94.6
	1911	43	328	56.1	.325	18.18	101.3	92.6	93.6
	1912	60	402	55.8	.312	17.39	100.7	88.9	89.5
	1913	60	421	55.4	.351	19.42	100.0	100.0	100.0
	1914	71	443	55.5	.356	19.66	100.2	101.4	101.2
	1916	116	640	55.0	.377	20.70	99.3	107.4	106.6
	1918	124	612	52.6	.512	26.77	94.9	145.9	137.8
	1920	101	552	48.8	.837	41.08	88.1	238.5	211.5
	1922	91	554	48.9	.732	36.06	88.3	208.5	185.7
	1924	92	467	49.3	.737	36.34	89.0	210.0	187.1
	1926	121	576	49.2	.766	37.69	88.8	218.2	194.1
	1928	120	537	49.2	.740	36.41	88.8	210.8	187.5
<b>Side lasters, hand:</b>									
Male.....	1913	20	224	54.2	.303	16.40	100.0	100.0	100.0
	1914	20	237	54.0	.308	16.59	99.6	101.7	101.2
	1916	40	358	54.1	.325	17.57	99.8	107.3	107.1
	1918	43	394	51.9	.440	22.74	95.8	145.2	138.7
	1920	42	445	48.2	.708	35.35	88.9	233.7	215.5
	1922	31	362	47.8	.614	29.28	88.2	202.6	178.5
	1924	40	388	48.1	.690	33.19	88.7	227.7	202.4
	1926	38	287	47.8	.740	35.37	88.2	244.2	215.7
	1928	31	128	48.2	.690	33.26	88.9	227.7	202.8
<b>Side lasters, machine:</b>									
Male.....	1913	16	155	56.1	.323	18.23	100.0	100.0	100.0
	1914	16	167	54.3	.343	18.54	96.8	106.2	101.7
	1916	45	291	54.9	.339	18.53	97.9	105.0	101.6
	1918	57	292	52.2	.468	24.35	93.0	144.9	133.6
	1920	51	322	48.9	.772	37.68	87.2	239.0	206.7
	1922	56	338	49.3	.620	30.79	87.9	192.0	168.9
	1924	64	402	49.5	.617	30.54	88.2	191.0	167.5
	1926	93	616	49.5	.675	33.41	88.2	209.0	183.3
	1928	104	660	49.3	.661	32.59	87.9	204.6	178.8
<b>Bed-machine operators:</b>									
Male.....	1910	35	513	56.4	.311	17.50	102.2	94.2	96.1
	1911	54	793	56.1	.321	17.96	101.6	97.3	98.6
	1912	65	1,127	55.6	.300	16.67	100.7	90.9	91.5
	1913	65	1,220	55.2	.330	18.21	100.0	100.0	100.0
	1914	70	1,173	55.1	.321	17.68	99.8	97.3	97.1
	1916	93	1,336	55.0	.349	19.13	99.6	105.8	105.1
	1918	104	1,303	52.1	.500	25.98	94.4	151.5	142.7
	1920	93	1,252	48.7	.789	38.61	88.2	239.1	212.0
	1922	86	1,167	48.9	.668	32.78	88.6	202.4	180.0
	1924	92	1,082	49.1	.692	33.98	88.9	209.7	186.6
	1926	121	1,279	49.1	.700	34.37	88.9	212.1	188.7
	1928	117	1,207	49.2	.682	33.55	89.1	206.7	184.2

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>LASTING DEPARTMENT—Continued</b>									
Hand-method lasting machine operators:									
Male.....	1910	33	325	57.4	\$0.306	\$17.49	103.8	85.7	88.7
	1911	39	477	57.0	.316	17.96	103.1	88.5	91.1
	1912	39	478	55.8	.324	18.03	100.9	90.8	91.4
	1913	41	449	55.3	.357	19.72	100.0	100.0	100.0
	1914	41	456	55.5	.348	19.25	100.4	97.5	97.6
	1916	66	556	55.1	.361	19.82	99.6	101.1	100.5
	1918	59	411	52.9	.479	25.22	95.7	134.2	127.9
	1920	30	213	48.9	.795	39.06	88.4	222.7	198.1
	1922	27	178	49.3	.735	36.38	89.2	205.9	184.5
	1924	12	97	48.5	.694	33.66	87.7	194.4	170.7
	1926	14	68	48.9	.700	34.23	88.4	196.1	173.6
	1928	9	101	47.2	.856	40.40	85.4	239.8	204.9
Turn lasters, hand (including first and second lasters):									
Male.....	1912	28	452	55.6	.275	15.25	101.1	88.7	89.7
	1913	28	524	55.0	.310	17.00	100.0	100.0	100.0
	1914	31	689	54.4	.324	17.56	98.9	104.5	103.3
	1916	42	974	54.9	.365	20.07	99.8	117.7	118.1
	1918	35	752	53.8	.453	24.34	97.8	146.1	143.2
	1920	33	666	47.1	.890	42.49	85.6	283.9	249.9
	1922	30	571	48.5	.732	35.76	88.2	236.1	210.4
	1924	31	496	48.2	.790	38.08	87.6	254.8	224.0
	1926	35	726	47.7	.870	41.50	86.7	280.6	244.1
	1928	31	706	47.9	.831	39.80	87.1	263.1	234.1
Turn lasters, machine:									
Male.....	1920	10	102	48.6	.756	37.35	-----	-----	-----
	1922	7	31	48.1	.630	30.50	-----	-----	-----
	1924	7	26	48.5	.604	29.29	-----	-----	-----
	1926	5	86	48.3	.835	40.33	-----	-----	-----
	1928	3	50	52.0	.575	29.90	-----	-----	-----
Turn sewers:									
Male.....	1916	29	81	54.4	.442	24.00	-----	-----	-----
	1918	25	67	53.7	.500	26.75	-----	-----	-----
	1920	30	71	49.1	.926	46.26	-----	-----	-----
	1922	25	55	49.8	.801	40.14	-----	-----	-----
	1924	30	63	49.3	.819	40.38	-----	-----	-----
	1926	28	66	48.9	.867	41.91	-----	-----	-----
	1928	28	66	49.6	.873	43.30	-----	-----	-----
Tack pullers, hand and machine:									
Male.....	1920	70	425	47.5	.459	22.12	-----	-----	-----
	1922	62	348	48.6	.423	20.61	-----	-----	-----
	1924	79	331	48.9	.436	21.32	-----	-----	-----
	1926	98	321	49.3	.462	22.78	-----	-----	-----
	1928	95	284	49.2	.448	22.04	-----	-----	-----
Female.....	1920	7	21	49.0	.349	16.84	-----	-----	-----
	1922	5	23	48.9	.299	14.57	-----	-----	-----
	1924	2	7	50.0	.375	18.75	-----	-----	-----
	1926	3	8	49.0	.298	14.60	-----	-----	-----
<b>BOTTOMING DEPARTMENT</b>									
Goodyear welters (including insemers):									
Male.....	1910	45	275	56.2	\$0.437	\$24.49	101.6	87.2	88.7
	1911	60	392	56.0	.462	25.21	101.3	90.2	91.3
	1912	70	466	55.8	.445	25.75	100.9	88.8	89.7
	1913	70	472	55.3	.501	27.60	100.0	100.0	100.0
	1914	74	439	55.2	.503	27.68	99.8	100.4	100.3
	1916	89	467	54.9	.520	28.50	99.3	103.8	103.3
	1918	93	469	53.3	.620	32.29	94.6	123.8	117.0
	1920	80	415	48.6	.974	47.81	87.9	194.4	173.2
	1922	74	375	48.4	.889	43.30	87.5	177.4	156.9
	1924	76	336	48.7	.929	45.24	88.1	185.4	163.9
	1926	92	358	48.7	.938	45.68	88.1	187.2	165.5
	1928	86	323	49.1	.890	43.61	88.8	177.6	158.0

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>BOTTOMING DEPARTMENT—Continued</b>									
<b>Welt beaters and slashers:</b>									
Male.....	1920	70	156	48.6	\$.588	\$28.85			
	1922	63	107	48.9	.531	25.98			
	1924	61	107	48.8	.533	25.26			
	1926	80	147	48.8	.569	27.77			
	1928	63	118	49.9	.508	25.35			
<b>Bottom fillers, hand and machine:</b>									
Male.....	1920	69	131	48.7	.568	27.20			
	1922	69	125	48.7	.500	24.45			
	1924	66	126	49.1	.511	25.09			
	1926	82	158	49.2	.507	24.94			
	1928	81	139	49.3	.512	25.24			
<b>Sole cementers, hand and machine (including bottom cementers):</b>									
Male.....	1920	70	134	48.8	.425	20.85			
	1922	68	143	48.8	.408	20.11			
	1924	59	110	49.0	.432	21.17			
	1926	70	145	48.9	.456	22.30			
	1928	61	110	49.1	.425	20.87			
Female.....	1920	20	30	48.9	.336	16.33			
	1922	8	10	50.3	.343	17.41			
	1924	9	14	50.7	.373	18.91			
	1926	6	9	48.4	.317	15.34			
	1928	5	9	50.8	.342	17.37			
<b>Sole layers, hand and machine:</b>									
Male.....	1920	77	249	48.6	.697	33.87			
	1922	79	238	48.6	.644	31.23			
	1924	79	247	49.2	.600	29.52			
	1926	98	284	49.1	.636	31.23			
	1928	113	237	49.0	.656	32.14			
<b>Rough rounders:</b>									
Male.....	1910	44	165	56.7	.406	22.85	102.7	81.7	83.5
	1911	60	221	56.3	.436	24.44	102.0	87.7	89.3
	1912	69	273	55.9	.435	24.21	101.3	87.5	88.5
	1913	69	265	55.2	.497	27.37	100.0	100.0	100.0
	1914	73	252	55.1	.503	27.64	99.8	101.2	101.0
	1916	91	296	54.9	.491	26.89	99.5	98.8	98.2
	1918	97	285	52.4	.593	31.99	94.9	119.3	116.9
	1920	82	240	48.7	.928	45.68	88.2	186.7	166.9
	1922	75	228	48.7	.818	40.00	88.2	164.6	146.1
	1924	76	212	48.7	.846	41.20	88.2	170.2	150.5
	1926	91	241	48.8	.825	40.26	88.4	166.0	147.1
	1928	84	226	48.7	.815	39.69	88.2	164.0	145.0
<b>Channel openers and channel closers (including channel layers, channel turners, channel cementers, and lip turners):</b>									
Male.....	1920	87	280	49.0	.488	23.75			
	1922	73	255	49.2	.443	21.76			
	1924	75	243	48.9	.480	23.47			
	1926	90	303	49.4	.508	25.10			
	1928	92	287	49.4	.512	25.29			
Female.....	1920	17	44	49.8	.338	17.66			
	1922	14	29	50.0	.380	19.64			
	1924	4	10	50.8	.253	12.85			
	1926	20	68	48.9	.444	21.71			
	1928	16	43	48.8	.417	20.35			
<b>Goodyear stitchers:</b>									
Male.....	1910	45	366	56.3	.374	20.97	102.0	93.7	95.5
	1911	61	529	55.9	.387	21.56	101.3	97.0	98.2
	1912	70	627	55.9	.376	20.96	101.3	94.2	95.4
	1913	70	642	55.2	.399	21.96	100.0	100.0	100.0
	1914	74	594	55.1	.410	22.57	99.8	102.8	102.8
	1916	97	656	54.8	.437	23.87	93.3	109.5	108.7
	1918	105	680	52.4	.527	27.47	94.9	132.1	125.1
	1920	86	598	48.6	.818	40.07	88.0	205.0	182.5
	1922	77	543	48.6	.765	36.67	88.0	189.2	167.0
	1924	79	605	48.8	.773	37.72	88.4	193.7	171.8
	1926	98	517	48.9	.776	37.95	88.6	194.5	172.8
	1928	89	461	48.9	.766	37.46	88.6	192.0	170.6

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>BOTTOMING DEPARTMENT—Continued</b>									
McKay sewers:									
Male.....	1910	28	95	57.1	\$0.290	\$16.46	102.7	90.9	93.0
	1911	30	129	56.5	.296	16.63	101.6	92.8	94.0
	1912	32	131	56.1	.286	16.00	100.9	89.7	90.4
	1913	32	136	55.6	.319	17.70	100.0	100.0	100.0
	1914	39	147	55.7	.338	18.77	100.2	106.0	106.0
	1916	61	210	55.2	.349	19.51	99.3	109.4	110.2
	1918	62	203	52.9	.449	23.56	95.1	140.8	133.1
	1920	45	158	49.4	.711	35.53	88.8	222.9	200.7
	1922	39	138	50.2	.659	33.83	90.3	206.6	191.4
	1924	34	104	50.3	.644	32.39	90.5	201.9	183.0
	1926	51	159	50.1	.687	34.42	90.1	215.4	194.5
	1928	50	138	49.4	.755	37.30	88.8	236.7	210.7
Stitch separators (including stitch wheelers):									
Male.....	1920	63	156	49.0	.558	27.16	-----	-----	-----
	1922	45	108	48.7	.498	24.45	-----	-----	-----
	1924	48	91	49.1	.558	27.40	-----	-----	-----
	1926	55	111	48.8	.528	25.77	-----	-----	-----
	1928	55	117	49.1	.533	26.17	-----	-----	-----
Levelers:									
Male.....	1911	36	102	55.8	.297	16.49	101.1	97.7	98.5
	1912	75	268	55.9	.286	15.90	101.3	94.1	95.0
	1913	75	289	55.2	.304	16.74	100.0	100.0	100.0
	1920	94	323	48.9	.650	32.09	88.6	213.8	191.7
	1922	96	318	49.0	.580	28.43	88.8	190.8	169.8
	1924	97	315	49.1	.597	29.31	88.9	196.4	175.1
	1926	119	345	49.4	.655	32.36	89.5	215.5	193.3
	1928	122	318	49.3	.648	31.95	89.3	213.2	190.9
Heelers, leather:									
Male.....	1911	31	115	55.8	.408	22.52	100.9	95.0	96.6
	1912	67	254	56.2	.378	21.17	101.6	89.2	90.8
	1913	72	291	55.3	.424	23.32	100.0	100.0	100.0
	1914	84	324	55.3	.402	22.18	100.0	94.8	95.1
	1916	130	440	55.0	.430	23.59	99.5	101.4	101.2
	1918	137	419	52.8	.502	26.37	95.5	118.4	113.1
	1920	111	382	48.7	.552	40.73	88.1	196.2	174.7
	1922	98	348	48.9	.759	37.16	88.4	179.0	159.3
	1924	98	290	49.3	.768	37.86	89.2	181.1	162.3
	1926	102	319	49.1	.729	35.79	88.8	171.9	153.5
	1928	92	248	49.0	.764	37.44	88.6	180.2	160.5
Heelers, wood:									
Male.....	1918	18	248	54.1	.477	25.61	-----	-----	-----
	1920	33	533	47.4	.899	42.92	-----	-----	-----
	1922	27	245	47.9	.706	33.54	-----	-----	-----
	1924	38	403	48.1	.690	33.19	-----	-----	-----
	1926	73	713	48.8	.823	40.16	-----	-----	-----
	1928	80	798	49.4	.829	40.95	-----	-----	-----
Heel trimmers or shavers:									
Male.....	1910	55	199	56.6	.410	23.03	102.2	91.5	93.1
	1911	71	246	56.5	.415	23.32	102.0	92.6	94.3
	1912	81	282	56.0	.420	23.39	101.1	93.8	94.5
	1913	81	277	55.4	.448	24.74	100.0	100.0	100.0
	1914	85	277	55.2	.433	23.88	99.6	96.7	96.5
	1916	121	367	54.9	.449	24.55	99.1	100.2	99.2
	1918	128	350	52.6	.535	27.99	94.9	119.4	113.1
	1920	103	284	48.8	.891	44.28	88.1	198.9	178.9
	1922	94	246	48.9	.853	38.04	88.3	190.4	153.8
	1924	96	213	49.1	.793	38.94	88.6	177.0	157.4
	1926	103	284	49.2	.736	36.21	88.8	164.3	146.4
	1928	94	198	49.3	.716	35.30	89.0	159.8	142.7
Heel breasters:									
Male.....	1911	35	76	56.1	.291	16.23	101.3	93.0	94.0
	1912	75	163	55.9	.295	16.36	100.9	94.2	94.7
	1913	75	171	55.4	.313	17.27	100.0	100.0	100.0
	1914	82	173	55.3	.308	16.71	99.8	96.8	96.8
	1916	111	232	54.8	.319	17.50	98.9	101.9	101.3
	1918	113	218	52.9	.412	21.70	95.5	131.6	125.7
	1920	100	195	48.8	.721	35.38	88.1	230.4	204.9
	1922	80	161	49.2	.587	29.05	88.8	187.5	168.2
	1924	79	131	48.9	.588	28.75	88.3	187.9	166.5
	1926	78	124	49.1	.631	30.98	88.6	201.6	179.4
	1928	72	116	48.8	.618	30.16	88.1	197.4	174.6

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>BOTTOMING DEPARTMENT—Continued</b>									
<b>Edge trimmers:</b>									
<b>Male.....</b>	1910	55	573	56.4	\$0.382	\$21.44	101.8	93.2	94.6
	1911	71	765	56.5	.389	21.73	102.0	94.9	95.9
	1912	81	827	55.9	.380	21.15	100.9	92.7	93.3
	1913	81	838	55.4	.410	22.66	100.0	100.0	100.0
	1914	85	886	55.1	.400	22.01	99.5	97.6	97.1
	1916	129	1,081	54.9	.423	23.16	99.1	103.2	102.2
	1918	138	1,015	52.5	.545	28.44	94.8	132.9	125.5
	1920	112	828	48.7	.904	44.19	87.9	220.5	195.0
	1922	100	789	48.9	.764	37.36	88.3	186.3	164.9
	1924	102	686	49.1	.767	37.66	88.6	187.1	166.2
	1926	127	808	49.2	.785	38.62	88.8	191.5	170.4
	1928	131	754	49.1	.764	37.51	88.6	186.3	165.5
<b>Sluggers:</b>									
<b>Male.....</b>	1920	79	153	49.2	.601	29.57	-----	-----	-----
	1922	68	96	49.2	.547	26.95	-----	-----	-----
	1924	26	32	48.2	.668	27.14	-----	-----	-----
	1926	30	58	49.0	.582	28.52	-----	-----	-----
	1928	31	39	49.1	.618	30.34	-----	-----	-----
<b>FINISHING DEPARTMENT</b>									
<b>Buffers (including bottom scourers):</b>									
<b>Male.....</b>	1911	36	174	55.8	\$0.294	\$16.37	100.9	92.5	93.4
	1912	72	338	56.0	.289	16.09	101.3	90.9	91.8
	1913	72	358	55.3	.318	17.52	100.0	100.0	100.0
	1914	81	396	55.3	.309	17.05	100.0	97.2	97.3
	1916	129	535	54.9	.327	17.92	99.3	102.8	102.3
	1918	129	476	52.7	.424	22.20	95.3	133.3	126.7
	1920	111	449	48.8	.726	35.69	88.2	228.3	203.7
	1922	98	408	49.0	.630	30.95	88.6	198.1	176.7
	1924	99	361	49.4	.614	30.33	89.3	193.1	173.1
	1926	124	434	49.4	.640	31.62	89.3	201.3	180.5
	1928	122	356	49.5	.651	32.22	89.5	204.7	183.9
<b>Edge setters:</b>									
<b>Male.....</b>	1910	54	560	56.3	.373	20.94	101.8	90.8	92.2
	1911	68	722	56.3	.380	21.29	101.8	92.5	93.8
	1912	78	789	55.8	.379	21.05	100.9	92.2	92.7
	1913	77	826	55.3	.411	22.70	100.0	100.0	100.0
	1914	86	872	55.2	.410	22.54	99.8	99.8	99.2
	1916	131	966	54.9	.414	22.62	99.3	100.7	99.6
	1918	138	924	52.7	.525	27.57	95.3	127.7	121.5
	1920	112	845	48.7	.873	42.84	88.1	212.4	188.7
	1922	99	779	48.9	.757	37.02	88.4	184.2	163.1
	1924	102	681	49.1	.756	37.12	88.8	183.0	163.5
	1926	129	765	49.1	.766	37.61	88.8	186.4	165.7
	1928	133	738	49.1	.755	37.07	88.8	183.7	163.3
<b>Heel scourers (including first and second scourers):</b>									
<b>Male.....</b>	1911	35	125	54.8	.291	16.12	98.9	92.7	92.9
	1912	78	342	56.0	.289	16.09	101.1	92.0	92.7
	1913	78	364	55.4	.314	17.35	100.0	100.0	100.0
	1914	84	372	55.3	.310	17.10	99.8	98.7	98.6
	1916	125	504	55.0	.346	18.94	99.3	110.2	109.2
	1918	129	470	52.7	.438	22.92	95.1	139.5	132.1
	1920	108	451	48.7	.726	35.38	87.9	231.2	203.9
	1922	97	421	48.9	.607	29.79	88.3	193.3	171.7
	1924	98	378	49.2	.621	30.55	88.8	197.8	176.1
	1926	104	342	49.2	.623	30.65	88.8	198.4	176.7
	1928	97	312	49.1	.589	28.92	88.6	187.6	166.7
<b>Heel burnishers (including stoners, expeditors, and heel slickers):</b>									
<b>Male.....</b>	1911	33	106	55.6	.306	16.97	100.2	96.5	96.8
	1912	74	254	56.1	.292	16.31	101.1	92.1	93.0
	1913	75	280	55.5	.317	17.54	100.0	100.0	100.0
	1914	84	283	55.5	.322	17.86	100.0	101.6	101.8
	1916	127	367	55.2	.325	17.84	99.5	102.5	101.7
	1918	128	325	52.8	.433	22.66	95.1	136.6	129.2
	1920	109	304	48.7	.704	34.50	87.7	222.1	196.7
	1922	92	300	48.9	.584	28.75	88.1	184.2	163.9
	1924	91	265	50.0	.584	29.20	90.1	184.2	166.5
	1926	104	275	49.3	.607	29.93	88.8	191.5	170.6
	1928	91	236	49.3	.581	28.64	88.8	183.3	163.3

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>FINISHING DEPARTMENT—Continued</b>									
Bottom finishers (including bottom slickers):									
Male.....	1928	104	309	48.9	\$0.632	\$30.90			
Female.....	1928	2	2	48.0	.563	26.54			
Brushers:									
Male.....	1920	86	300	48.4	.474	22.96			
	1922	80	298	48.9	.431	21.10			
	1924	80	303	49.2	.498	24.50			
	1926	88	243	49.2	.450	22.14			
	1928	78	189	49.4	.454	22.43			
Female.....	1920	17	36	49.6	.350	16.62			
	1922	10	24	50.5	.324	16.42			
	1924	12	38	50.4	.445	22.43			
	1926	18	46	50.1	.416	20.84			
	1928	13	36	49.5	.336	16.63			
Shoe cleaners:									
Male.....	1920	34	109	48.1	.488	23.10			
	1922	36	150	49.0	.431	21.15			
	1924	38	115	48.3	.416	20.30			
	1926	39	116	48.3	.526	25.41			
	1928	42	131	48.3	.493	23.81			
Female.....	1920	28	175	48.8	.331	16.09			
	1922	33	193	48.1	.325	15.79			
	1924	38	169	48.9	.342	16.72			
	1926	29	66	48.6	.338	16.43			
	1928	26	77	49.0	.334	16.37			
Last pullers, hand and machine:									
Male.....	1920	97	266	48.9	.524	25.34			
	1922	88	233	49.0	.460	22.74			
	1924	91	228	49.7	.471	23.41			
	1926	112	275	49.5	.494	24.45			
	1928	119	226	49.2	.510	25.09			
Treers, hand and machine:									
Male.....	1910	44	832	55.9	.259	14.42	101.1	91.8	92.8
	1911	63	1,006	56.0	.267	14.84	101.3	94.7	95.5
	1912	73	1,143	55.8	.266	14.76	100.9	94.3	95.0
	1913	73	1,110	55.3	.282	15.54	100.0	100.0	100.0
	1914	80	1,204	55.3	.279	15.38	100.0	98.9	99.0
	1916	124	1,652	54.9	.291	15.94	99.3	103.2	102.6
	1918	125	1,387	52.3	.408	20.98	94.6	142.9	135.0
	1920	98	1,106	48.3	.677	33.03	87.3	240.1	212.5
	1922	90	970	48.6	.577	28.12	87.9	204.6	181.0
	1924	93	948	48.8	.624	30.45	88.2	221.3	195.9
	1926	114	1,088	49.2	.611	30.06	89.0	216.7	193.4
	1928	118	1,072	49.2	.624	30.70	89.0	221.3	197.6
Female.....	1910	8	74	57.8	.143	8.19	105.9	90.5	95.7
	1911	11	85	58.1	.145	8.32	106.4	91.8	97.2
	1912	13	108	54.4	.158	8.32	99.6	96.8	97.2
	1913	13	110	54.6	.158	8.56	100.0	100.0	100.0
	1914	18	107	52.1	.175	9.06	95.4	110.8	105.8
	1916	15	144	53.1	.188	9.93	97.3	119.0	116.0
	1918	31	211	53.3	.232	12.25	97.6	146.8	143.1
	1920	37	296	49.7	.403	19.95	91.0	255.1	233.1
	1922	35	228	49.3	.396	19.51	90.3	250.6	227.9
	1924	31	184	48.8	.431	21.03	89.4	272.8	245.7
	1926	43	302	49.0	.419	20.53	89.7	265.2	239.8
	1928	36	239	49.3	.386	19.03	90.3	244.3	222.3
Repairers (not cobblers) (including tip fixers and scourers):									
Male.....	1920	57	169	48.1	.505	24.37			
	1922	49	126	48.3	.462	22.30			
	1924	48	102	48.9	.511	24.99			
	1926	53	128	48.2	.594	28.63			
	1928	48	134	48.5	.569	27.60			

TABLE 1.—Average hours and earnings with index numbers, 1910, to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>FINISHING DEPARTMENT—Continued</b>									
Repairers (not cobblers) (including tip fixers and scourers)—Continued									
Female.....	1920	87	711	47.7	\$0.392	\$18.69			
	1922	79	668	48.2	.377	18.18			
	1924	77	624	48.8	.403	19.07			
	1926	110	925	49.0	.388	19.01			
	1928	120	832	49.4	.377	18.62			
Dressers:									
Male.....	1920	11	16	47.6	.391	18.47			
	1922	14	18	48.6	.395	19.04			
	1924	18	39	48.8	.413	20.15			
	1926	22	49	49.0	.428	20.97			
	1928	16	24	48.5	.487	23.62			
Female.....	1920	78	253	48.5	.367	17.81			
	1922	73	288	49.0	.339	17.35			
	1924	62	225	49.4	.366	18.08			
	1926	81	317	49.1	.377	18.51			
	1928	77	290	49.3	.375	18.49			
Sock liners (including heel-lining, heel-pad, and heel-pin pasters):									
Male.....	1920	14	30	48.8	.381	18.70			
	1922	11	21	48.5	.378	18.25			
	1924	17	37	49.7	.307	15.26			
	1926	17	30	50.1	.380	19.04			
	1928	12	23	49.7	.433	21.52			
Female.....	1920	95	321	48.7	.374	18.13			
	1922	90	279	49.0	.355	17.36			
	1924	84	225	49.0	.390	19.11			
	1926	115	350	48.9	.378	18.48			
	1928	116	305	49.0	.389	19.06			
Lacers (before packing):									
Male.....	1920	9	11	48.5	.444	20.70			
	1922	4	7	47.9	.281	13.71			
	1924	7	16	48.4	.344	16.65			
	1926	10	21	48.7	.351	17.09			
	1928	7	10	48.2	.378	18.22			
Female.....	1920	89	304	48.7	.323	15.64			
	1922	82	235	48.9	.304	14.81			
	1924	71	201	49.1	.368	18.07			
	1926	86	194	48.9	.326	15.94			
	1928	90	204	49.2	.320	15.74			
Packers:									
Male.....	1920	38	96	49.2	.470	24.02			
	1922	17	43	50.0	.477	23.75			
	1924	17	37	48.9	.458	22.40			
	1926	34	110	49.4	.433	21.39			
	1928	18	31	49.6	.443	21.97			
Female.....	1920	100	503	48.3	.353	17.10			
	1922	90	397	48.2	.351	16.97			
	1924	92	332	48.7	.360	17.53			
	1926	112	387	48.7	.377	18.36			
	1928	125	379	48.7	.388	18.90			

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928, by department, occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>ALL DEPARTMENTS</b>									
Other employees:									
Male.....	1914	91	20,887	55.0	\$0.224	\$12.29			
	1916	135	24,010	55.0	.243	13.35			
	1918	143	23,324	52.7	.327	17.17			
	1920	117	10,445	48.7	.518	25.22			
	1922	104	10,133	49.0	.461	22.58			
	1924	105	9,262	48.8	.481	23.47			
	1926	154	9,764	49.0	.501	24.55			
	1928	166	9,070	49.0	.513	25.14			
Female.....	1914	89	12,347	54.0	.168	9.05			
	1916	134	14,851	53.8	.178	9.62			
	1918	142	16,007	51.8	.226	11.67			
	1920	116	6,964	48.6	.361	17.73			
	1922	101	5,074	48.8	.334	16.39			
	1924	103	5,363	49.0	.350	17.15			
	1926	132	6,212	48.8	.335	16.35			
	1928	141	5,155	49.2	.361	17.76			

**AVERAGE HOURS AND EARNINGS, 1926 AND 1928, BY STATES**

Table 2 presents for each sex and for both sexes combined average full-time hours per week, average earnings per hour, and average full-time earnings per week for all wage earners covered in each State in 1926 and in 1928.

The 1926 averages are for 29,925 males and 22,772 females or a total of 52,697 and those for 1928 are for 28,312 males and 20,346 females, a total of 48,658.

Average full-time hours per week of males ranged by States from 46 to 53.4 in 1926 and from 46.8 to 53.1 in 1928, and of females ranged from 46.6 to 53.4 in 1926 and from 47.6 to 53.2 in 1928. The averages for all males and females combined, or for the industry, ranged from 46.2 to 53.4 in 1926 and from 47.1 to 53.1 in 1928.

Average earnings per hour of males ranged by States from 47.3 to 70.1 cents in 1926 and from 50.6 to 72.3 cents in 1928, and of females from 31.8 to 48.1 cents in 1926 and from 28.8 to 47.3 cents in 1928, and for both sexes combined from 39.8 to 61.2 cents in 1926 and from 41.4 to 62.6 cents per hour in 1928.

Average full-time earnings per week of males ranged by States from \$23.74 to \$33.72 in 1926 and from \$25.04 to \$34.78 in 1928, of females ranged from \$15.66 to \$22.99 in 1926 and from \$14.08 to \$22.66 in 1928. The averages for all males and females combined, or for the industry, ranged from \$21.25 to \$28.83 in 1926 and from \$20.70 to \$30.11 per week in 1928.

TABLE 2.—Number of establishments and of wage earners, and average hours and earnings, 1926 and 1928, by sex and State

Sex and State	Number of establishments		Number of employees		Average full-time hours per week		Average earnings per hour		Average full-time earnings per week	
	1926	1928	1926	1928	1926	1928	1926	1928	1926	1928
<b>MALES</b>										
Illinois.....	6	9	1,822	2,071	48.6	49.5	\$0.642	\$0.613	\$31.20	\$30.34
Maine.....	6	6	1,734	1,428	53.4	53.1	.496	.516	25.95	27.40
Maryland and Virginia.....	8	8	1,047	1,033	49.0	49.0	.534	.511	26.17	25.04
Massachusetts.....	40	50	7,095	7,096	48.1	48.1	.701	.723	33.72	34.78
Michigan.....	5	4	299	198	49.7	49.6	.532	.558	26.44	27.68
Minnesota.....	4	4	407	300	50.2	50.1	.473	.506	23.74	25.35
Missouri.....	11	11	3,604	3,506	49.3	49.6	.546	.549	26.92	27.23
New Hampshire.....	11	10	2,052	1,761	49.3	49.2	.560	.575	27.61	28.29
New Jersey.....	4	4	393	467	46.0	46.8	.671	.657	30.87	30.75
New York.....	25	21	5,915	5,388	47.7	47.9	.694	.670	33.10	32.09
Ohio.....	7	7	1,697	1,877	50.0	49.9	.649	.607	32.45	30.29
Pennsylvania.....	15	12	2,288	1,813	50.3	50.0	.538	.542	27.06	27.10
Wisconsin.....	12	11	1,572	1,374	49.1	49.4	.598	.597	29.36	29.49
<b>Total.....</b>	<b>154</b>	<b>157</b>	<b>29,925</b>	<b>28,312</b>	<b>49.0</b>	<b>49.0</b>	<b>.622</b>	<b>.625</b>	<b>30.48</b>	<b>30.63</b>
<b>FEMALES</b>										
Illinois.....	6	9	1,877	2,052	48.1	50.1	.410	.367	19.72	18.39
Maine.....	6	6	1,432	1,119	53.4	53.2	.349	.375	18.64	19.95
Maryland and Virginia.....	8	8	665	604	48.8	48.9	.321	.288	15.66	14.08
Massachusetts.....	28	40	4,860	4,673	47.8	47.9	.481	.473	22.99	22.66
Michigan.....	5	4	253	130	49.7	49.6	.318	.325	15.80	16.12
Minnesota.....	4	4	366	254	50.5	50.0	.306	.303	18.48	15.15
Missouri.....	10	10	2,827	2,450	49.2	49.8	.340	.336	16.73	16.73
New Hampshire.....	11	10	1,610	1,311	49.5	49.3	.378	.393	18.71	19.37
New Jersey.....	4	4	281	266	46.6	47.6	.433	.439	20.18	20.90
New York.....	23	20	2,892	3,556	48.3	48.5	.436	.430	21.06	20.86
Ohio.....	7	7	1,681	1,574	49.5	49.8	.372	.355	18.41	17.68
Pennsylvania.....	11	10	1,561	1,181	50.1	49.7	.335	.343	16.78	17.05
Wisconsin.....	12	11	1,467	1,176	48.7	48.7	.399	.412	19.43	20.06
<b>Total.....</b>	<b>135</b>	<b>144</b>	<b>22,772</b>	<b>20,346</b>	<b>49.0</b>	<b>49.2</b>	<b>.401</b>	<b>.397</b>	<b>19.65</b>	<b>19.53</b>
<b>MALES AND FEMALES</b>										
Illinois.....	6	9	3,699	4,123	48.4	49.8	.526	.491	25.46	24.45
Maine.....	6	6	3,166	2,547	53.4	53.1	.398	.455	21.25	24.16
Maryland and Virginia.....	8	8	1,712	1,637	48.9	48.9	.452	.428	22.10	20.93
Massachusetts.....	40	50	11,955	11,769	47.1	48.1	.612	.626	28.83	30.11
Michigan.....	5	4	552	328	49.7	49.6	.437	.469	21.72	23.26
Minnesota.....	4	4	773	554	50.4	50.0	.424	.414	21.37	20.70
Missouri.....	11	11	6,431	5,956	49.3	49.7	.456	.462	22.48	22.96
New Hampshire.....	11	10	3,662	3,072	49.4	49.2	.481	.498	23.76	24.50
New Jersey.....	4	4	674	733	46.2	47.1	.573	.579	26.47	27.27
New York.....	25	21	9,807	8,944	48.0	48.1	.593	.575	28.46	27.66
Ohio.....	7	7	3,378	3,451	49.8	49.8	.517	.489	25.75	24.35
Pennsylvania.....	15	12	3,849	2,994	50.2	49.9	.458	.465	22.99	23.20
Wisconsin.....	12	11	3,039	2,550	48.9	49.1	.504	.514	24.65	25.24
<b>Total.....</b>	<b>154</b>	<b>157</b>	<b>52,697</b>	<b>48,658</b>	<b>49.0</b>	<b>49.1</b>	<b>.528</b>	<b>.530</b>	<b>25.87</b>	<b>26.02</b>

## AVERAGE AND CLASSIFIED EARNINGS PER HOUR

Average and classified earnings per hour are presented in Table 3 for the employees in 14 occupations in the industry. The figures in the table are for 7,895 males in 13, and for 6,423 females in 8 of the 14 occupations. The males in them represent 27.9 per cent of the males, and the females in them represent 31.6 per cent of the females that were included in the 1928 study of the industry. Males and females together represent 29.4 per cent of the total employees covered in all occupations in the year. Between 1926 and 1928 average earnings per hour of males in the 13 occupations increased in 4 and decreased in 9 occupations; of females in the 8 occupations,

increased in 1 and decreased in 7. For a distribution of employees in 1928 in each occupation and State, by average earnings per hour, see Table B, page 67. These occupations were selected from the different departments to illustrate the variation in the trend and spread of average earnings per hour in the industry during the years for which data are available. Figures are presented for each of the specified years, 1913 to 1928, for which data are available.

In 1913 the 1,987 cutters, vamp and whole shoe, hand, male, earned an average of 35.1 cents per hour and 95 per cent of them earned less than 50 cents per hour. Average earnings per hour in this occupation increased to 82.9 cents in 1920 and approximately 7 per cent earned less than 50 cents per hour. The average for the 1,777 males in this occupation in 1928 was 82.4 cents per hour and only about 8 per cent of them earned less than 50 cents per hour, 10 per cent earned 50 and under 60 cents, 12 per cent earned 60 and under 70 cents, 15 per cent earned 70 and under 80 cents, 19 per cent earned 80 and under 90 cents, 13 per cent earned 90 cents and under \$1.00, 17 per cent earned \$1.00 and under \$1.20, 5 per cent earned \$1.20 and under \$1.40, and 2 per cent earned \$1.40 or over per hour.

TABLE 3.—Average and classified earnings per hour in 14 specified occupations, 1913 to 1928, by department, sex, and year

Occupation and sex	Year	Number of establishments	Number of wage earners	Average earnings per hour	Per cent of wage earners whose earnings per hour were—													
					Under 12 cents	12, under 16 cents	16, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 40 cents	40, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90, under 100 cents	100, under 120 cents	120, under 140 cents
<b>CUTTING DEPARTMENT</b>																		
Cutters, vamp and whole shoe, hand:																		
Male.....	1913	71	1,987	\$0.351	(1)	2	8	15	53	17	5							
	1914	75	1,812	.366	1	2	6	11	50	20	10							
	1916	113	2,355	.375	(1)	1	6	12	46	26	9							
	1918	114	2,319	.484	(1)	1	2	4	18	24	34	11	5					
	1920	91	2,050	.829				(1)	2	5	9	11	12	17	23	16		
	1922	84	1,915	.787			(1)	(1)	3	7	11	13	15	20	10	17		
	1924	88	2,009	.838			(1)	(1)	1	4	10	12	14	13	22	15		
	1926	108	2,129	.808			(1)	(1)	2	6	10	15	15	20	11	15		
	1928	110	1,777	.824			(1)	(1)	2	6	10	12	15	19	13	17		
Skivers, upper:																		
Male.....	1913	32	134	.299		4	6	9	25	46	7	3						
	1914	29	116	.299		3	9	7	13	58	9	1						
	1916	32	124	.311	2	3	2	9	15	57	7	4						
	1918	23	96	.423		2	1	5	49	22	7	7	6					
	1920	29	87	.576		1	2	6	11	9	34	7	3	17	3	5		
	1922	31	77	.595				3	14	9	39	7	10	7	10	1		
	1924	29	100	.619			2	3	16	17	9	21	7	7	11	4		
	1926	37	96	.668		1	1	2	11	14	14	23	9	6	4	9		
	1928	34	98	.653		1	1	5	8	9	20	28	6	3	9	6		
Female.....	1913	67	439	.209	5	13	28	31	15	7	1							
	1914	77	446	.209	4	15	29	27	16	7	1							
	1916	113	591	.209	6	17	26	27	13	10	1	1						
	1918	121	697	.267	1	6	15	27	18	28	5	1	(1)					
	1920	105	611	.434		(1)	2	3	12	30	22	18	6	4	1	1		
	1922	94	539	.430		(1)	1	5	11	30	23	19	5	3	3	1		
	1924	89	474	.472		(1)	1	6	7	19	26	19	14	5	1	1		
	1926	113	552	.486		(1)	(1)	3	6	20	26	21	13	5	2	1		
	1928	110	541	.458		2		4	9	23	27	19	10	4	1	1		

Footnotes on page 25.



TABLE 3.—Average and classified earnings per hour for 14 specified occupations, 1913 to 1928, by department, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average earnings per hour	Per cent of wage earners whose earnings per hour were—														
					Under 12 cents	12, under 16 cents	16, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 40 cents	40, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90, under 100 cents	100, under 120 cents	120, under 140 cents	140 cents and over
<b>FITTING AND STITCHING DEPARTMENT—Continued</b>																			
Vampers—Continued.																			
Female.....	1913	79	1,072	\$0.246	1	8	18	31	22	17	3	(1)							
	1914	85	1,116	.243	2	9	20	27	22	19	2	(1)							
	1916	121	1,383	.254	2	6	15	27	24	22	3	(1)							
	1918	132	1,477	.312	(1)	3	8	18	19	35	14	3							
	1920	111	1,313	.306		(1)	1	3	6	17	21	22	16	8	3	1	(1)		
	1922	98	1,142	.490		(1)	(1)	4	8	22	21	20	13	6	3	1	(1)		
	1924	99	1,053	.519		(1)	(1)	3	9	18	21	18	15	9	5	2	(1)		
	1926	123	1,170	.531				1	2	16	29	21	16	9	2	2	(1)		
	1928	119	1,022	.505	(1)	1	(1)	1	6	21	24	21	14	8	3	1	(1)		
<b>LASTING DEPARTMENT</b>																			
Assemblers, for pulling-over machine:																			
Male.....	1913	54	597	\$0.272	1	4	12	28	22	25	8	(1)							
	1914	64	708	.279	1	4	11	22	21	32	6	2							
	1916	97	801	.291	1	4	10	19	23	31	10	2							
	1918	102	726	.398		(1)	4	9	11	29	26	15	5	2					
	1920	88	691	.638			(1)	2	3	9	12	15	17	18	5	4	(1)		
	1922	70	593	.567		(1)	1	2	3	14	18	16	28	10	6	3	2		
	1924	81	421	.554			(1)	2	4	13	24	17	20	11	6	1	3		
	1926	113	541	.596			(1)	1	2	10	21	21	18	12	9	3	2		
	1928	116	537	.577				1	4	14	20	18	17	11	7	5	2		
Female.....	1920	23	77	.500				1	12	21	18	16	13	14	4		1		
	1922	15	58	.434			2	3		45	24	16	5	2	3				
	1924	8	33	.399				15	15	21	15	15	9	6	3				
	1926	9	36	.422				6	3	36	36	8	11						
	1928	10	26	.501		4		8		12	42	19	4	4			8		



TABLE 3.—Average and classified earnings per hour in 14 specified occupations, 1913 to 1928, by department, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average earnings per hour	Per cent of wage earners whose earnings per hour were—														
					Under 12 cents	12, under 16 cents	16, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 40 cents	40, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90, under 100 cents	100, under 120 cents	120, under 140 cents	140 cents and over
					<b>FINISHING DEPARTMENT</b>														
<b>Edge setters:</b>																			
<b>Male</b> .....	1913	77	826	\$.411			1	3	11	34	33	19							
	1914	86	872	.410			1	2	10	38	35	15							
	1916	131	966	.414		(1)	1	3	9	38	28	21							
	1918	138	924	.525					3	17	28	26		16	11				
	1920	112	845	.873					(1)	1	3	6	12	16	15	19	20	5	
	1922	99	779	.757					(1)	2	7	12	22	15	15	10	14	1	
	1924	102	681	.758	(1)			(1)	1	2	10	12	22	17	12	9	10	4	
	1926	129	765	.766						2	6	12	19	21	17	11	8	3	
	1928	133	738	.755	(1)	(1)				1	9	15	18	19	15	11	9	2	
<b>Trees, hand and machine:</b>																			
<b>Male</b> .....	1913	73	1,110	.282	(1)	4	10	22	25	32	5	11							
	1914	80	1,204	.279	1	5	13	18	25	32	5	12							
	1916	124	1,652	.291	1	3	7	20	29	32	6	12							
	1918	125	1,387	.403	(1)	1	2	4	11	33	29	16		3	1				
	1920	98	1,106	.677				(1)	1	4	12	17	19	19	14	7	5	1	
	1922	90	970	.577			(1)	1	2	11	19	24	18	11	6	4	1	1	
	1924	93	948	.624			(1)	1	1	9	15	21	22	15	7	5	3	1	
	1926	114	1,088	.611			(1)	1	1	7	19	21	23	16	9	3	1	(1)	
	1928	118	1,072	.624		(1)	(1)	1	2	8	17	21	23	14	8	3	1	(1)	
<b>Female</b> .....	1913	13	110	.158	14	48	25	8	4	2									
	1914	18	107	.175	14	24	33	21	7	1									
	1916	15	144	.188	8	27	19	33	11	1									
	1918	31	211	.232	3	9	25	30	19	11	4	(1)							
	1920	37	296	.403		(1)	1	6	11	35	26	13		4	2	2			
	1922	35	223	.396			(1)	4	12	34	37	8		3	1				
	1924	30	184	.431	1	1	1	5	3	28	42	15		4	1	1			
	1926	43	302	.419			(1)	3	7	35	35	16		4	1				
	1928	36	239	.386	(1)	3	5	11	43	24	11	1		1	2				

Repairers (not cobblers) (including tip fixers and scourers):																				
<b>Male</b> -----		1920	57	169	.505			1	4	22	19	36	8	5	5	1	1	1		
		1922	49	126	.462		1	3	6	23	25	32	8	2	1	1				
		1924	48	102	.511			3	7	18	20	21	20	6	6	1				
		1926	53	128	.594		1		1	8	20	27	26	9	3	2	4	1		1
		1928	48	134	.569			1	4	10	19	24	20	12	5	2	2			
<b>Female</b> -----		1920	87	711	.392		1	6	14	31	29	16	4		(1)					
		1922	79	668	.377		1	7	16	31	36	8	1	(1)		(1)	(1)			(1)
		1924	77	624	.408			9	15	32	25	17	2	(1)						
		1926	110	925	.388	(1)	3	9	11	34	19	19	2	2	(1)	(1)				
		1928	120	832	.377	4	1	8	15	32	17	17	3	1	(1)	(1)				

<sup>1</sup> Less than 1 per cent.

<sup>2</sup> Grouped under "50 cents and over" in previous reports.

<sup>3</sup> Grouped under "70 cents and over" in previous reports.

<sup>4</sup> Less than 1 per cent and grouped under "50 cents and over" in previous reports.

## REGULAR OR CUSTOMARY HOURS OF OPERATION

The regular or customary full-time hours of a boot and shoe factory are the hours of operation when the factory is working its recognized standard of full time—in other words, the time between the regular established time of beginning work in the morning and closing in the afternoon less the regular time off duty for the midday lunch or dinner with no overtime and no time off duty for any cause.

Table 4 shows the per cent of employees in each of 14 representative occupations in the boot and shoe industry at each group of full-time hours per week for each of the specified years, from 1910 to 1928, for which data are available. For a distribution of the number of employees in 1928 in each occupation and State, by full-time hours per week, see Table C, page 75.

The full-time hours of cutters, vamp and whole shoe, hand, male, decreased from an average of 56.3 per week in 1910 when the full-time hours of 64 per cent of the 1,650 covered in that year were over 54 per week to an average of 47.8 in 1920 when the full-time hours of only 1 per cent were over 54 per week. The average increased to 48.9 in 1926 and decreased to 48.6 in 1928 when the full-time hours of 62 per cent were 48 per week, 2 per cent were over 54, 4 per cent were 54, 2 per cent were 45, and 7 per cent were 44 per week. These figures are representative of the full-time hours per week of the other occupations of the industry.

TABLE 4.—Average and classified full-time hours per week in 14 specified occupations, 1910 to 1928, by department, sex, and year

Occupation, sex, and year	Number of establishments	Number of wage earners	Average full-time hours per week	Per cent of wage earners whose full-time hours per week were—											
				44	Over 44, under 45	45	Over 45, under 48	48	Over 48, under 51	51, under 54	54	Over 54, under 57	57, under 60	60	
<b>CUTTING DEPARTMENT</b>															
<b>Cutters, vamp and whole shoe, hand:</b>															
<b>Male</b> .....															
.....1910.....	48	1,650	56.3							1	11	25	24	19	21
.....1911.....	64	2,066	56.2							8	8	29	28	19	17
.....1912.....	71	1,995	55.0							12	8	37	15	17	11
.....1913.....	71	1,987	54.5							12	11	40	18	16	3
.....1914.....	75	1,812	54.0							20	18	22	16	11	3
.....1916.....	113	2,355	53.9							18	16	27	26	10	3
.....1918.....	114	2,319	52.0					2		52	16	11	13	6	
.....1920.....	91	2,050	47.8	16		6	1	56	14	1	4	1			
.....1922.....	84	1,915	48.3	7	3	6		57	19	1	7	1			
.....1924.....	88	2,009	48.4	4		4		66	20	(1)	5	1			
.....1926.....	108	2,129	48.9	6		6	(1)	57	24	2	8	2			
.....1928.....	110	1,777	48.6	7		2	(1)	62	20	2	4	2			
<b>Skivers, upper:</b>															
<b>Male</b> .....															
.....1910.....	12	74	54.7									66	18	16	
.....1911.....	28	136	54.8									68	18	15	
.....1912.....	32	156	54.7									67	7	19	1
.....1913.....	32	134	54.5									6	65	18	9
.....1914.....	29	116	54.4									9	65	21	6
.....1916.....	32	124	54.6									9	65	13	12
.....1918.....	23	96	50.9							74	11	10	4	3	1
.....1920.....	20	87	48.1					79	5			1			
.....1922.....	31	77	47.6	8	8	5		65	13			3			
.....1924.....	29	100	48.0	7		8		57	22			3			
.....1926.....	37	96	48.4	15			39	22	11			13			
.....1928.....	34	98	48.1	13				66	14			5	1		

<sup>1</sup> Less than 1 per cent.

<sup>2</sup> Including 1 per cent under 44.

TABLE 4.—Average and classified full-time hours per week in 14 specified occupations, 1910 to 1928, by department, sex, and year—Continued

Occupation, sex, and year	Number of establishments	Number of wage earners	Average full-time hours per week	Per cent of wage earners whose full-time hours per week were—										
				44	Over 44, under 45	45	Over 45, under 48	48	Over 48, under 51	51, under 54	54	Over 54, under 57	57, under 60	60

CUTTING DEPARTMENT—Continued

Skivers, upper—Continued.															
Female.....1910.....	49	338	57.0						(1)	9	12	24	25	30	
.....1911.....	60	374	57.0						2	7	9	30	29	25	
.....1912.....	67	371	55.0						3	7	53	24	14	3	
.....1913.....	67	439	54.6						6	14	47	26	6		
.....1914.....	77	446	54.1						6	14	52	24	4		
.....1916.....	113	591	54.0						49	13	29	5	1		
.....1918.....	121	697	51.7		(1)		3		61	22	1	6	1		
.....1920.....	105	611	48.7	3	4	1	58	20	(1)	9	1	1			
.....1922.....	94	539	48.6	3	2	4	61	22	1	6	1				
.....1924.....	89	474	49.0	3		1	61	20	7	8	(1)				
.....1926.....	113	552	48.9	3	2	1	(1)	57	32	1	6				
.....1928.....	110	541	49.1	3		1	53	35	2	7					

FITTING AND STITCHING DEPARTMENT

Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters):															
Male.....1920.....	14	21	47.5	14			14	48	24						
.....1922.....	8	29	48.2	14				59	28						
.....1924.....	12	24	47.8	25		4		46	17		8				
.....1926.....	18	42	50.8	5		2		24	26	2	38	2			
.....1928.....	5	9	46.2	44				56							
Female.....1920.....	107	1,133	48.6	3	7	4	1	56	25	1	5	2	(1)		
.....1922.....	89	913	48.5	5	1	3	(1)	61	23	1	5	1			
.....1924.....	95	1,031	49.1	4	1	1	1	50	30	4	9	1			
.....1926.....	118	1,426	49.3	3			(1)	52	31	2	12				
.....1928.....	124	1,318	49.3	2		1		52	30	6	9				
Lining makers (including lining closers and side and top facing stitchers):															
Female.....1910.....	53	585	56.5						(1)	15	13	25	24	23	
.....1911.....	72	721	56.5							11	19	26	26	17	
.....1912.....	80	764	55.0						3	5	51	13	25	4	
.....1913.....	80	854	54.6						3	6	55	23	13		
.....1914.....	84	852	54.1						6	16	51	21	6		
.....1916.....	126	1,004	53.9						9	12	56	17	6		
.....1918.....	132	1,138	51.5					3	56	10	28	3	1		
.....1920.....	112	1,149	48.6	3	6	1	58	21	1	7	1	(1)			
.....1922.....	97	1,055	48.8	2	1	4	59	24	2	8		(1)			
.....1924.....	100	1,012	49.3	3		1	(1)	59	21	3	12	(1)			
.....1926.....	124	1,170	49.3	3	4	1	1	49	29	2	15				
.....1928.....	129	1,046	49.2	3		1		49	34	6	7				
Top stitchers (including under-trimmers and barber trimmers):															
Male.....1920.....	16	57	48.0	2				96	2						
.....1922.....	19	64	48.1	6		8		70	8		8				
.....1924.....	21	78	47.9	13				74	10		3				
.....1926.....	27	90	47.1	30				59	11						
.....1928.....	30	132	47.9	15				63	21		2				
Female.....1910.....	53	721	56.3						(1)	9	15	21	27	28	
.....1911.....	73	911	56.9							7	20	23	20	20	
.....1912.....	82	1,033	54.9						3	8	55	9	22	3	
.....1913.....	82	1,070	54.6						2	9	54	22	13		
.....1914.....	85	1,076	54.2						5	14	53	21	6		
.....1916.....	128	1,427	54.0						6	14	58	18	4		
.....1918.....	135	1,364	51.6					5	49	13	20	3	1		
.....1920.....	112	1,187	48.5	3	7	1	56	18	1	9	1	(1)			
.....1922.....	100	1,195	48.8	3	1	5	57	23	1	9					
.....1924.....	97	1,184	49.3	2		3	(1)	54	24	4	13	(1)			
.....1926.....	121	1,469	49.3	2		1	1	51	33	3	10				
.....1928.....	124	1,399	49.4	2		1		48	35	5	9				

<sup>1</sup> Less than 1 per cent. <sup>2</sup> Including 1 per cent under 44. <sup>3</sup> Including less than 1 per cent under 44.

TABLE 4.—Average and classified full-time hours per week in 14 specified occupations, 1910 to 1928, by department, sex, and year—Continued

Occupation, sex, and year	Number of establishments	Number of wage earners	Average full-time hours per week	Per cent of wage earners whose full-time hours per week were—									
				44	Over 44, under 45	45	Over 45, under 48	48	Over 48, under 51	51, under 54	54	Over 54, under 57	57, under 60

FITTING AND STITCHING DEPARTMENT—Continued

<b>Vampers:</b>														
<b>Male</b> -----														
1910	33	263	55.5											
1911	51	343	55.5											
1912	66	483	55.0						3	18	25	24	22	11
1913	66	564	54.8						2	6	40	27	18	8
1914	65	534	54.6						1	12	45	14	23	4
1916	82	624	54.6						3	13	41	30	13	1
1918	83	573	51.5						1	17	37	35	9	1
1920	55	400	47.9	5		7			3	14	39	34	9	1
1922	52	357	47.8	5	5	8			2	16	12	4	4	1
1924	49	304	43.2	7					82	4	3			
1926	63	294	43.2	11					70	9	9			
1928	54	270	43.2	7		1			1	79	1	4		
									69	12	3	4	1	
									79	3	4	1		
									7	2	3	1		
<b>Female</b> -----														
1910	53	863	56.9						2	5	14	24	28	27
1911	71	1,124	56.5						2	4	17	26	28	23
1912	79	1,088	55.1						1	6	53	11	24	4
1913	79	1,072	54.7						1	7	58	20	14	
1914	85	1,116	54.1						7	16	51	20	7	
1916	121	1,383	53.9						8	18	54	14	6	
1918	132	1,477	51.7						4	49	11	30	4	2
1920	111	1,313	48.8	6	5	1			51	25	1	9	1	
1922	98	1,142	49.0	2	1	4			56	29	2	7	1	
1924	99	1,053	49.4	1		3			50	30	4	12	(1)	
1926	123	1,170	49.1	2		1	(1)		52	37	1	7		
1928	119	1,022	49.3	2		1			40	4	7			

LASTING DEPARTMENT

<b>Assemblers, for pulling-over machine:</b>														
<b>Male</b> -----														
1911	17	218	55.4											
1912	50	542	55.8						6	5	32	18	24	16
1913	54	597	55.4						2	5	41	27	19	5
1914	64	708	55.3						6	7	27	33	24	3
1916	97	801	55.0						4	9	34	34	15	4
1918	102	726	52.6						5	38	12	24	12	(1)
1920	88	691	48.6	9		(1)			60	20	(1)	9	(1)	
1922	70	593	49.0	1		3			61	23	(1)	12	1	
1924	81	421	49.3	2		1			52	30	2	11	2	
1926	113	541	49.1	3		1	(1)		49	39	1	6	1	
1928	116	537	49.0	7		(1)			50	32	4	5	2	
<b>Female</b> -----														
1920	23	77	48.5			23			55	6	4	6	1	
1922	15	58	39.0			5			74	5	2	9		
1924	8	33	50.0						52	18	30			
1926	9	36	49.6				3		67		6			
1928	10	26	49.9						15	77	8			
<b>Bed-machine operators:</b>														
<b>Male</b> -----														
1910	35	513	56.4							3	33	15	30	19
1911	54	793	56.1							3	33	25	23	15
1912	65	1,127	55.6							9	40	19	22	11
1913	65	1,220	55.2							10	41	29	16	3
1914	70	1,173	55.1							15	30	38	14	3
1916	93	1,336	55.0						2	15	31	37	12	4
1918	104	1,303	52.1						2	51	14	15	10	(1)
1920	93	1,252	48.7	5		3	(1)		67	14	10	1		
1922	86	1,167	48.9	3	2				60	18	1	12	1	
1924	92	1,082	49.1	3		2			59	21	3	11	1	
1926	121	1,279	49.1	3		(1)	(1)		53	35	1	6	1	
1928	117	1,207	49.2	3					51	34	4	6	2	

<sup>1</sup> Less than 1 per cent. <sup>2</sup> Including 1 per cent under 44. <sup>3</sup> Including less than 1 per cent under 44.

TABLE 4.—Average and classified full-time hours per week in 14 specified occupations, 1910 to 1923, by department, sex, and year—Continued

Occupation, sex, and year	Number of establishments	Number of wage earners	Average full-time hours per week	Per cent of wage earners whose full-time hours per week were—											
				44	Over 44, under 45	45	Over 45, under 48	48	Over 48, under 51	51, under 54	54	Over 54, under 57	57, under 60	60	
<b>LASTING DEPARTMENT—Continued</b>															
Turn lasters, hand (including first and second lasters):															
Male.....	1912	28	452	55.6							24	12	16	28	20
	1913	28	524	55.0							27	23	17	28	5
	1914	31	689	54.4						12	16	10	49	8	5
	1916	42	974	54.9						7	14	16	44	17	1
	1918	35	752	53.8						18	22	10	42	9	
	1920	83	866	47.1	4	5	25	2	49	10					
	1922	80	571	48.5	2		14		57	18	2		8		
	1924	81	496	48.2	7		7		67	16	2	5			
	1926	35	736	47.7	15		2		65	17	1	1			
	1928	31	706	47.9	11		1		66	21	1				
<b>BOTTOMING DEPARTMENT</b>															
Goodyear stitchers:															
Male.....	1910	45	366	56.3						1	6	24	26	24	19
	1911	61	529	55.9							5	35	25	21	14
	1912	70	627	55.9							6	37	20	20	17
	1913	70	642	55.2							9	42	29	19	2
	1914	74	594	55.1							12	32	39	14	2
	1916	97	656	54.8						2	15	35	33	12	3
	1918	105	680	52.4						49	14	15	13	9	(1)
	1920	86	599	48.6	4		3	(1)	68	15		9	1		
	1922	77	543	48.6	3		2	3	67	15		9			
	1924	79	505	48.8	4		2	2	62	22		10			
	1926	98	517	48.9	3		(1)	(1)	58	33	(1)	3	2		
	1928	89	461	48.9	3		1		57	31	1	5	2		
Edge trimmers:															
Male.....	1910	55	573	56.4						1	10	20	24	24	21
	1911	71	765	56.5							7	29	26	23	15
	1912	81	827	55.9							6	34	21	26	12
	1913	81	838	55.4							6	37	34	19	4
	1914	85	886	55.1						2	11	25	43	16	2
	1916	129	1,061	54.9						5	12	29	40	12	3
	1918	138	1,015	52.5					3	43	13	19	15	8	(1)
	1920	112	828	48.7	4		6	1	59	19	(1)	9	1	1	
	1922	100	789	48.9	2		2	5	55	24	1	10	1		
	1924	102	686	49.1	3		3		56	26	3	9	1		
	1926	127	808	49.2	3		1	(1)	51	36	1	7	1		
	1928	131	754	49.1	3		1		51	35	4	5	2		
<b>FINISHING DEPARTMENT</b>															
Edge setters:															
Male.....	1910	54	560	56.3						1	13	17	25	26	18
	1911	68	722	56.3							8	26	24	25	17
	1912	78	789	55.8							7	35	24	22	13
	1913	77	826	55.3							8	36	33	19	3
	1914	86	872	55.2						3	13	21	43	17	3
	1916	131	966	54.9						5	13	27	39	13	3
	1918	138	924	52.7					2	40	15	17	18	8	(1)
	1920	112	845	48.7	5		6	(1)	58	21	(1)	8	2	(1)	
	1922	99	779	48.9	2		2	5	55	22	1	9	2		
	1924	102	681	49.1	3		2		57	25	2	10	1		
	1926	129	765	49.1	4		1	1	50	35	1	7	1		
	1928	133	738	49.1	3		1		51	33	4	6	2		

<sup>1</sup> Less than 1 per cent.<sup>2</sup> Including 1 per cent under 44.<sup>3</sup> Including less than 1 per cent under 44.<sup>4</sup> Including 2 per cent under 44.

TABLE 4.—Average and classified full-time hours per week in 14 specified occupations, 1910 to 1928, by department, sex, and year—Continued

Occupation, sex, and year	Number of establishments	Number of wage earners	Average full-time hours per week	Per cent of wage earners whose full-time hours per week were—											
				44	Over 44, under 45	45	Over 45, under 48	48	Over 48, under 51	51, under 54	54	Over 54, under 57	57, under 60	60	
<b>FINISHING DEPARTMENT—Continued</b>															
Treers, hand and machine:															
Male.....1910.....	44	832	55.9								21	17	27	18	17
1911.....	63	1,006	56.0								10	26	31	18	15
1912.....	73	1,143	55.8								10	34	23	19	14
1913.....	73	1,110	55.3								11	37	29	20	4
1914.....	80	1,204	55.3								14	27	38	18	3
1916.....	124	1,652	54.9					3	2		18	36	29	10	2
1918.....	125	1,387	52.3				2	7	42	18	11	15	5	( <sup>1</sup> )	
1920.....	98	1,106	48.3	<sup>3</sup> 6		7	11	53	16	4	3				
1922.....	90	970	48.6	3	3	7		59	18	1	9		1		
1924.....	93	948	48.8	3		1		61	21	2	10	1			
1926.....	114	1,088	49.2	<sup>3</sup> 4		1	1	49	36	2	8	1			
1928.....	118	1,072	49.2	4		1		52	31	4	7	1			
Female.....1910.....	8	74	57.8									30		43	27
1911.....	11	85	58.1									27		29	44
1912.....	13	108	54.4								10	62	12	16	
1913.....	13	110	54.6								18	55		26	
1914.....	18	107	52.1							41	40	9	7		
1916.....	15	144	53.1							14	41	37	8		
1918.....	31	211	53.3							31	8	36	14	11	
1920.....	37	296	49.7	9		( <sup>1</sup> )	5	36	27	1	14	4	4		
1922.....	35	228	49.3	1		1		54	31	2	10	1			
1924.....	31	184	48.8	1		1		69	24	3	1	2			
1926.....	43	302	49.0					59	35	( <sup>1</sup> )	5				
1928.....	36	239	49.3					45	49	5	1				
Repairers (not cobblers) (including tip fixers and scourers):															
Male.....1920.....	57	169	48.1	9		6	1	66	11	1	6				
1922.....	49	126	48.3	6	3	4		63	16	2	6				
1924.....	48	102	48.9	7		4		59	23		10	2			
1926.....	53	128	48.2	17				48	30		3	2			
1928.....	48	134	48.5	9		1		56	28	3	1	3			
Female.....1920.....	87	711	47.7	11		15	( <sup>1</sup> )	54	13	1	5	( <sup>1</sup> )			
1922.....	79	668	48.2	( <sup>1</sup> )	1	14		62	13	1	6	1			
1924.....	77	624	48.8	1		4		67	17	2	7	2			
1926.....	110	925	49.0	1		1	( <sup>1</sup> )	59	28	2	8				
1928.....	120	832	49.4	1		1		51	33	7	8				

<sup>1</sup> Less than 1 per cent.<sup>3</sup> Including less than 1 per cent under 44.

Full-time hours, per week and per day, of a boot and shoe factory are the regular hours when the factory is working its fixed standard of full-time hours on each day of the week with no overtime and no short time.

Table 5 shows the regular full-time hours per week and per day of each establishment that was included in each State in 1928. The full-time hours per week range from 44 for 8 shoe factories to 55 $\frac{1}{4}$  for 1 factory. The hours of 71, or 45 per cent of the 157 shoe factories included in the 1928 study, were 48 per week and the hours of part of the employees in 7 other plants were 48 per week. The hours per day, Monday to Friday, range from 8 for 8 factories to 10 for 3 and 10 for part of the employees of 4. The hours on Saturday range from 3 to 9. Two establishments had a 9-hour day on each day of the week and 3 establishments had no Saturday work.

TABLE 5.—Number of establishments in each State working at classified group of full-time hours per week and per day, 1928

Full-time hours per week	Full-time hours per day		Number of establishments in—										Total establishments			
	Monday to Friday	Saturday	Illinois	Maine	Maryland and Virginia	Massachusetts	Michigan	Minnesota	Missouri	New Hampshire	New Jersey	New York		Ohio	Pennsylvania	Wisconsin
44 hours.....	8	4								2	6					8
45 hours.....	9	0				2										1
47 hours.....	8¾	4									1					3
	8¾	5				6										6
	8¾ <sup>60</sup>	4¾										3				3
48 hours.....	8¾	4¾				11				4					1	16
	8¾	4¾														3
	8¾ <sup>10</sup>	4¾	2			1										3
	8¾	4¾	1		3	18	1	2	6	1	6		3	2		48
49½ hours.....	9	4¾	1			2					1			1		6
48 hours <sup>1</sup> .....	8¾	1 4/8				3										3
50 hours <sup>2</sup> .....	9	5														3
48 hours <sup>1</sup> .....	8¾	1 4/8				3										3
50 hours <sup>2</sup> .....	9	5														3
48 hours <sup>1</sup> .....	8¾	1 3/8				1										1
50 hours <sup>2</sup> .....	9	5														1
50 hours.....	9	5	3	2	2	3	3	1	3	3	1	4	6	3	4	38
50½ hours.....	9	5½			3											3
51 hours.....	9½	5												1		1
52½ hours.....	9½	5						1		2	1					4
53 hours.....	9	8	1													1
53½ hours.....	9½	6												1		1
	9	9						2								2
54 hours.....	9¾	5¾			2									1		3
	9¾	4¾			1											1
50 hours <sup>1</sup> .....	9	1 5/8														2
55 hours <sup>2</sup> .....	10	1 5/8													2	2
53¾ hours <sup>1</sup> .....	10¾	1 5/8	1													1
55 hours <sup>2</sup> .....	10	1 5/8														1
54 hours <sup>1</sup> .....	10	1 4/8												1		1
55 hours <sup>2</sup> .....	10	1 5/8														1
54 hours <sup>1</sup> .....	10	1 4/8		1												1
55 hours <sup>2</sup> .....	10	5												1		1
55 hours.....	10	5												1		1
55½ hours.....	10	5½												1		1
Total.....			9	6	8	50	4	4	11	10	4	21	7	12	11	157

<sup>1</sup> Females.

<sup>2</sup> Males.

CHANGES IN WAGE RATES SINCE JULY 1, 1926

Only 22 of the 157 establishments covered in 1928 reported changes in wage rates between July 1, 1926 and the period of the 1928 study. Rates were increased in 1 and decreased in 21 factories, as shown in Table 6.

TABLE 6.—*Change in wage rates in the 22 establishments between July 1, 1926, and the period of the 1928 study*

Employees whose rates were changed	Number of establishments	Amount of change—	
		Increase	Decrease
All employees.....	1	12½ per cent	-----
Do.....	1	-----	5 per cent.
Do.....	1	-----	10 per cent.
All pieceworkers.....	8	-----	10 per cent.
All employees.....	2	-----	7 per cent.
All except 3 packers.....	1	-----	10 per cent.
All in lasting and bottoming departments.....	1	-----	5 per cent.
All pieceworkers in lasting and bottoming departments.....	1	-----	3 per cent.
All in fitting room.....	1	-----	10 per cent.
All except those in fitting room.....			
All employees.....	1	-----	5 per cent.
All pieceworkers in cutting and stitching departments.....	1	-----	10 to 15 per cent.
All except time workers and a few pieceworkers.....	1	-----	8 to 10 per cent.
Innersole cutters.....	1	-----	5 to 10 per cent.
Outsole cutters.....	1	-----	\$3 per week.
			\$1.40 per week.

### PAY FOR OVERTIME

Overtime is generally considered as time worked in excess of the regular full-time hours per day and per week and is sometimes paid for at a higher rate than is paid for regular working time.

Of the 157 establishments included in the 1928 study, 18 paid one and one-half times the regular rate for overtime to all of their employees, 1 paid one and one-half times the regular rate to time workers in the treeing department, 1 paid one and one-half times the regular rate to all employees for any work done on Sundays and holidays, one paid 20 cents per hour extra to employees in the cutting department and 10 cents per hour extra to employees in all other departments, and 136 reported the same rate of pay for overtime as for regular work.

### BONUS SYSTEMS

Only 33 of the 157 establishments covered had bonus systems in effect at the time of the 1928 study. The basis or kind of bonus, the wage earners entitled to receive the bonus, the amount of the bonus, and the conditions necessary in order to receive the bonus are presented in Table 7.

In 12 of the 33 establishments a "leather saving" bonus was paid to cutters only, by which their earnings were increased by cutting more than a standard or specified number of pieces or parts of shoes from a fixed quantity of leather. The amount of the bonus varied with the quantity of leather saved. In one factory the quantity ranged, by individual workers, from 1 to 20 per cent of earnings.

In 2 establishments cutters were paid a "leather saving and production" bonus. To get the bonus a cutter was required to cut a certain number of pairs per hour or per day and also to cut more than a standard number of pairs from a given quantity of leather.

In 2 establishments a "production" bonus was paid for producing more than a set quantity of work in a given time.

The other 17 bonus systems are as shown in the table.

TABLE 7.—*Bonus systems of 33 establishments in the boot and shoe industry, 1928*

Kind of bonus	Wage earners entitled	Amount of bonus	Conditions	Number of establishments
Attendance.....	Time workers.....	Pay for ½ hour extra.....	Full-time attendance	1
Leather saving.....	Cutters.....	10 cents per square foot saved.	Quantity of leather saved.	
Attendance.....	All employees.....	Pay for ½ hour extra.....	Full-time attendance.	1
Earnings.....	Pieceworkers.....	10 per cent of earnings, medium grade; 30 per cent, high grade shoes.	Earnings.....	1
Efficiency.....	All employees.....	10 per cent of earnings.....	Punctuality and correct work	2
Earnings.....	do.....	do.....	Do some work.....	1
Leather saving.....	Cutters.....	Varies.....	Quantity of leather saved.	10
Do.....	do.....	10 to 20 per cent of earnings.....	do.....	1
Do.....	Sole cutters.....	Varies.....	do.....	2
Leather saving and production.	Cutters.....	4½ to 5½ cents per pair of shoes.	Quantity and quality of leather saved.	1
Leather saving, production, and quality.	do.....	Varies.....	do.....	1
Do.....	do.....	1 to 20 per cent.....	do.....	1
Production.....	Cutting-room employees.	Varies with quantity and quality of work.	Quantity and quality of.	1
Do.....	Outsole cutters.....	Not to exceed \$1 per day.....	Cut more than specified number.	1
Production and efficiency.	Cutters and sorters.....	\$1 to \$3 per week.....	Quantity and quality of work.	1
Production and material saving.	Side lasters, in-seamers, edge trimmers, edge setters, and stitchers.	Varies.....	Hours worked.....	1
Profit sharing.....	All employees.....	About \$1.72 per week.....	Weeks worked.....	3
Service.....	Not reported.....	5 to 10 per cent.....	Years of service.....	1
Do.....	All employees.....	Varies.....	Years of continuous service.	1
Production.....	Cutters.....	4 cents per pair, all over 11 pairs per hour.	Cut over 11 pairs per hour.	
Efficiency.....	Tack cutters and tack inspectors.	5 cents per case.....	Production, thread saved, and no tacks missed.	1
Leather saving and production.	Cutters.....	8 cents per pair for hand-cutters, 6 cents for machine cutters.	Quantity and quality of leather saved	1

DAYS WORKED BY EMPLOYEES, 1928

Table 8 shows the classification of employees in each of 14 representative occupations, by number of days on which they actually worked in one week in 1928. Any part of a day on which an employee did any work was counted as a day.

The average number of days worked by employees in an occupation is a simple average which was obtained by dividing the aggregate number of days on which any work was done in the week by the total number of employees in the occupation.

The 1,777 cutters, vamp and whole shoe, hand, male—in the first occupation in the table—worked an average of 5.5 days in one week, and 64 per cent of them worked on 6 days in the week, 27 per cent worked on 5 days, 5 per cent on 4 days, 2 per cent on 3 days, 2 per cent on 2 days, and 1 per cent of them worked on only 1 day in the week.

TABLE 8.—Number of days on which employees in 14 specified occupations worked in one week, 1928, by occupation and sex

Occupation and sex	Number of establishments	Number of employees	Average number of days on which employees worked in one week	Per cent of employees who in one week worked—					
				1 day	2 days	3 days	4 days	5 days	6 days
Cutters, vamp and whole shoe, hand:									
Male.....	110	1,777	5.5	1	2	2	5	27	64
Skivers, upper:									
Male.....	34	98	5.4	2	2	1	6	27	62
Female.....	110	541	5.5		1	3	4	24	68
Cementers and doublers (including reinforcers, pasters, and fitters):									
Male.....	5	9	5.7				11	11	78
Female.....	124	1,318	5.5	1	2	3	5	26	64
Lining makers (including lining closers, and side and top facing stitchers):									
Female.....	129	1,046	5.5	1	1	3	4	31	61
Top stitchers (including undertrimmers and barber trimmers):									
Male.....	30	132	5.5		2	3	6	22	67
Female.....	124	1,399	5.5	1	1	3	6	26	63
Vampers:									
Male.....	54	270	5.7			1	3	20	77
Female.....	119	1,022	5.5		1	2	3	28	66
Assemblers, for pulling-over machine:									
Male.....	116	537	5.5		2	2	2	31	63
Female.....	10	26	5.6		4			19	77
Bed-machine operators: Male.....	117	1,207	5.6		1	2	2	26	69
Turn lasters, hand (including first and second lasters): Male.....	31	706	5.2	1		1	4	60	34
Goodyear stitchers: Male.....	89	461	5.6		1	1	1	26	71
Edge trimmers: Male.....	131	754	5.6	1		1	2	26	70
Edge setters: Male.....	133	738	5.6	1	1	2	2	26	69
Triers:									
Male.....	118	1,072	5.6	1	1	1	2	25	71
Female.....	36	239	5.5		3	1	4	23	69
Repairers (not cobblers) (including tip fixers and scourers):									
Male.....	48	134	5.6			2	2	28	69
Female.....	120	832	5.5	1	2	4	3	23	67

## INDEX NUMBERS OF EMPLOYMENT AND OF PAY ROLLS, 1923 TO 1928

Index numbers of employment and of pay rolls in the boot and shoe industry are presented in Table 9 for each month, January, 1923, to December, 1928, and for each of the years 1923 to 1928, inclusive. These numbers were computed from the volume of employment and the amount of the pay rolls for each of the months and years, with the 1926 average taken as the base or 100 per cent. The numbers are as published by the bureau in monthly reports on "Trend of Employment" in the United States.

During the period January, 1923, to December, 1928, monthly employment was highest (with an index of 116.4) in February and March, 1923, and lowest (with an index of 87.3) in May and December, 1928, and pay rolls were highest (129.2) in March, 1923, and lowest (74.5) in November, 1928. Index numbers of employment by years were 111.1 in 1923, 101.6 in 1924, 102.9 in 1925, 100 in 1926, 97.7 in 1927, and 91.9 in 1928; and of pay rolls were 117 in 1923, 102.8 in 1924, 103.6 in 1925, 100 in 1926, 97.6 in 1927, and 88 in 1928.

TABLE 9.—Index numbers of employment and of pay rolls, January, 1923, to December, 1928, by month and year

[Average for 1926=100]

Month	Employment						Pay-roll totals					
	1923	1924	1925	1926	1927	1928	1923	1924	1925	1926	1927	1928
January.....	115.4	107.7	105.0	100.6	101.2	94.3	124.6	111.5	106.4	98.5	98.4	90.4
February.....	116.4	108.2	107.0	102.7	101.4	96.2	126.2	112.5	111.6	104.1	105.7	97.4
March.....	116.4	108.8	107.0	100.9	101.3	95.6	129.2	111.7	112.0	102.5	103.3	95.6
April.....	113.9	102.7	102.4	95.3	96.2	90.4	124.6	100.6	102.2	90.8	95.8	80.2
May.....	111.6	98.1	100.1	93.9	94.3	87.3	121.4	95.4	100.5	87.1	92.6	76.3
June.....	107.9	92.3	94.8	94.2	93.8	87.6	115.2	89.8	93.9	93.8	93.5	82.0
July.....	105.7	93.2	99.0	98.3	98.0	92.6	106.9	90.4	100.2	100.7	100.9	90.6
August.....	110.6	98.9	105.0	103.3	102.0	94.8	113.7	103.7	112.7	109.7	110.4	98.0
September.....	110.2	102.2	107.0	104.9	102.2	95.1	113.1	109.8	107.1	109.2	107.5	97.0
October.....	109.2	103.6	106.4	104.4	99.6	93.6	111.1	109.0	107.1	108.3	98.1	92.4
November.....	108.8	102.6	102.3	102.2	92.4	87.8	106.8	97.4	96.0	99.5	81.9	74.5
December.....	107.3	101.0	98.3	99.4	90.0	87.3	110.8	101.2	93.9	96.4	82.5	81.3
Average..	111.1	101.6	102.9	100.0	97.7	91.9	117.0	102.8	103.6	100.0	97.6	88.0

IMPORTANCE OF THE INDUSTRY

The importance of the boot and shoe industry in the United States in each of the specified years from 1899 to 1927 and in each State for 1925, in number of establishments, in average number of wage earners, in amount of wages, in cost of materials, in value of products, and in value added by manufacture, as reported by the United States Bureau of the Census, is shown in Table 10. Computations, based on these figures, to show the average per wage earner for each of the items have been made and are shown in the table.

The average number of wage earners and the amount paid to wage earners was greater in 1923 than in any of the other years for which data are shown. The average annual wages per wage earner ranged from \$412.05 in 1899 to \$1,116.90 in 1921. The averages by States in 1925 ranged from \$817.33 to \$1,384.63.

The per cent wages formed of the value added by manufacture does not show a very wide variation from year to year. It was lowest, 47.9 per cent, in 1919 and highest, 64.7 per cent, in 1899. The per cent wages formed of the value added by manufacture in the various States in 1925 ranged from 39.8 to 61.1.

TABLE 10.—Number of establishments, wage earners, amount of wages, cost of materials, value of products, value added by manufacture, and number of pairs of shoes produced, 1899 to 1927

[From United States Census of Manufactures]

State and year	Number of establishments	Average number of wage earners	Amount paid to wage earners	Cost of materials	Value of products	Value added by manufacture
<b>United States:</b>						
1899	1,599	141,830	\$58,440,883	\$168,632,654	\$258,969,580	\$90,336,926
1904	1,316	149,924	69,059,680	197,363,495	320,107,468	122,743,963
1909	1,343	185,116	92,359,152	277,467,743	442,630,726	165,162,983
1914	1,355	191,555	105,695,404	310,356,586	501,760,458	191,403,872
1919	1,449	211,049	210,734,610	715,269,315	1,155,041,436	439,772,121
1921 <sup>1</sup>	1,505	183,502	204,954,095	478,432,445	867,475,896	389,043,451
1923 <sup>1</sup>	1,606	225,216	250,345,922	527,456,868	1,000,078,022	472,621,154
1925 <sup>1</sup>	1,400	206,992	225,787,981	481,631,964	925,383,422	443,751,458
1927 <sup>1</sup>	1,357	203,110	225,090,242	494,553,016	944,714,463	450,161,447
<b>1925</b>						
Massachusetts	537	57,405	65,496,971	119,764,801	240,943,504	121,178,703
New York	334	39,157	54,217,989	100,538,585	191,375,288	90,836,703
Missouri	68	24,003	22,899,021	67,839,890	124,327,761	56,487,871
Illinois	60	13,993	13,201,352	33,163,207	66,366,813	33,203,606
Ohio	57	12,768	13,528,420	26,076,499	51,546,890	25,470,391
New Hampshire	59	12,275	11,911,466	29,356,962	52,631,681	23,274,719
Pennsylvania	109	11,438	10,733,803	20,918,509	42,037,228	21,118,719
Wisconsin	64	10,507	10,966,825	28,755,092	53,954,002	25,198,910
Maine	39	9,633	9,183,059	18,927,117	38,113,599	19,136,482
Minnesota	13	2,034	1,828,584	4,754,849	8,224,069	3,469,220
Maryland	14	1,844	1,607,331	3,568,136	6,196,727	2,628,591
New Jersey	19	1,724	1,781,942	3,464,481	7,171,553	3,707,072
Michigan	11	1,099	898,248	2,409,978	4,544,765	2,134,787
All other States	76	9,172	7,532,970	22,093,858	37,949,542	15,855,684

  

State and year	Number of pairs of boots and shoes produced	Average per capita yearly earnings of wage earners	Cost of materials per wage earner	Value of products per wage earner	Value added by manufacture per wage earner	Per cent wages are of value added	Average production of boots and shoes per wage earner
<b>United States:</b>							
1899	217,965,419	\$412.05	\$1,188.98	\$1,825.92	\$636.94	64.7	1,537
1904	242,110,035	460.63	1,316.42	2,135.13	818.71	56.3	1,615
1909	285,017,181	498.93	1,498.89	2,391.10	892.21	55.9	1,540
1914	292,666,468	551.78	1,620.20	2,619.41	999.21	55.2	1,528
1919	331,224,628	998.51	3,389.12	5,472.86	2,083.75	47.9	1,569
1921 <sup>1</sup>	286,771,101	1,116.90	2,607.23	4,727.34	2,120.10	52.7	1,563
1923 <sup>1</sup>	351,114,273	1,111.58	2,342.01	4,440.53	2,098.53	53.0	1,559
1925 <sup>1</sup>	323,553,055	1,090.81	2,326.82	4,470.63	2,143.81	50.9	1,563
1927 <sup>1</sup>	343,605,905	1,106.22	2,434.90	4,651.25	2,216.34	50.0	1,692
<b>1925</b>							
Massachusetts	72,266,595	1,140.96	2,086.31	4,197.26	2,110.94	54.0	1,259
New York	72,595,033	1,384.63	2,567.58	4,887.38	2,319.81	59.7	1,854
Missouri	72,466,613	954.01	2,826.31	5,179.68	2,353.37	40.5	1,910
Illinois	947.49	2,380.19	4,763.28	2,383.09	39.8		
Ohio	15,621,439	1,059.56	2,042.33	4,037.19	1,994.86	53.1	1,223
New Hampshire	18,296,422	970.38	2,391.61	4,287.71	1,896.11	51.2	1,491
Pennsylvania	17,309,661	938.43	1,828.86	3,675.23	1,846.36	50.8	1,513
Wisconsin	16,901,651	1,043.76	2,736.76	5,135.05	2,398.30	43.5	1,609
Maine	16,717,333	953.29	1,964.82	3,956.57	1,991.75	47.9	1,735
Minnesota	( <sup>2</sup> )	899.01	2,337.68	4,043.30	1,705.61	52.7	( <sup>2</sup> )
Maryland	( <sup>2</sup> )	871.65	1,935.00	3,360.48	1,425.48	61.1	( <sup>2</sup> )
New Jersey	( <sup>2</sup> )	1,033.61	2,009.56	4,159.83	2,150.27	48.1	( <sup>2</sup> )
Michigan	( <sup>2</sup> )	817.33	2,192.88	4,135.36	1,942.48	42.1	( <sup>2</sup> )
All other States	21,378,308	821.30	2,408.84	4,137.50	1,728.71	47.5	1,347

<sup>1</sup> Data for establishments with products less than \$5,000 in value not included.

<sup>2</sup> Including Illinois.

<sup>3</sup> Included with "All other States."

## SCOPE AND METHOD

The wage data used in compiling this report were obtained from establishments engaged wholly or mainly in the production of men's, women's, or children's shoes by the welt, McKay, or turn process. Data are for wage earners in the productive occupations in the industry. Data for executives, office clerks, foremen, power-house employees, and those engaged on maintenance or construction work are not included.

The 1928 figures in this bulletin are for 28,312 male and 20,346 female wage earners of 157 representative boot and shoe factories. Twenty-four of the factories produced men's shoes only; 6 produced men's and women's; 9 produced men's and boys'; 2 produced men's, boys', and youths'; 1 produced men's and children's; 4 produced men's, women's, and children's; 1 produced men's, women's, boys', and misses'; 67 produced women's only; 4 produced women's and children's; 4 produced women's, children's, and misses'; 1 produced women's, misses', boys', and youths'; 3 produced children's; 2 produced children's and infants'; 4 produced children's and misses'; 1 produced misses', children's, and infants'; 22 cut insoles or outsoles only; 1 cut uppers for another plant of the company; and 1 cut and stitched uppers for another plant of the company.

Welt shoes were produced by 56 establishments; welt and McKay by 12; welt and turn by 15; welt, McKay, and turn by 4; welt and nailed by 1; welt, turn, and Littleway process by 1; McKay by 31; McKay and turn by 1; McKay and stitchdown by 1; turn by 10; turn and stitchdown by 1; and the other 24 did not make shoes but cut soles and uppers for shoe factories.

A comparatively small number of the establishments covered in 1928 cut sole-leather parts and sell them to other establishments or furnish such parts to some of their own factories that have not been included in the study. Therefore, data for the sole-leather department of such establishments are for only a representative number of the employees in that department. Because many companies purchase the various sole-leather parts from those companies which specialize in the production of such parts, it was necessary to include 24 of the latter in order to cover all shoe-factory operations and make the data representative of the industry.

Data were not collected from any establishment in which 50 per cent or more of the products were pegged or nailed shoes or slippers.

The data for a few large establishments are for only a part of the total number of employees of such establishments, as the inclusion of all wage earners of such establishments would have tended to give undue weight to such establishments and therefore to impair the representative character of the averages for the States in which such establishments are located.

A very large per cent of the establishments in this industry pay their employees every week. In order to present figures for all establishments and employees for the same length of pay period, days, hours, and earnings were also collected for one week from the very few establishments that pay every two weeks.

Practically all of the 1928 data are for a pay-roll period in June, July, August, or September. The averages, therefore, are representative of wage conditions in those months.

The number of establishments for which data have been presented for each of the years since 1907 is as follows:

	Establishments		Establishments
1907.....	26	1916.....	136
1908.....	26	1918.....	143
1909.....	26	1920.....	117
1910.....	60	1922.....	104
1911.....	81	1924.....	106
1912.....	81	1926.....	154
1913.....	88	1928.....	157
1914.....	91		

The data used in this report were taken by agents of the bureau directly from the pay rolls and other records of the establishments included in the study for a representative pay period in each of the years covered. A very large proportion of the establishments covered in 1928 were also included in the studies of former years.

In selecting establishments from which to obtain data the bureau undertook to represent all States in which boot and shoe manufacturing is of material importance, the measure of importance being the number of wage earners as reported by the United States Bureau of the Census.

Table 11 shows by States the number of establishments and wage earners for which 1928 data are presented in this bulletin. For comparison the figures as reported by the United States Bureau of the Census for 1925, the latest year for which figures are available, are also shown. The table shows that approximately 96 per cent of the wage earners are in 13 of the 14 States for which data are presented, no separate figures being given for Virginia by the Census Bureau.

TABLE 11.—Number of wage earners in the boot and shoe industry in the United States according to 1925 census, and number of establishments and employees for which data are shown for 1928, by States

State	Number of wage earners reported by United States Census Office, 1925 <sup>1</sup>	Establishments and employees for which data are shown by the Bureau of Labor Statistics for 1928	
		Number of establishments	Number of employees
Massachusetts.....	57,405	50	11,769
New York.....	39,157	21	8,944
Missouri.....	24,003	11	5,956
Ohio.....	12,768	7	3,451
New Hampshire.....	12,275	10	3,072
Pennsylvania.....	11,438	12	2,994
Illinois.....	13,933	9	4,123
Wisconsin.....	10,507	11	2,550
Maine.....	9,633	6	2,547
New Jersey.....	1,724	4	733
Minnesota.....	2,034	4	554
Michigan.....	1,099	4	328
Maryland and Virginia.....	<sup>2</sup> 1,844	8	1,637
All other States.....	9,172	.....	.....
Total.....	206,992	157	45,658

<sup>1</sup> Not including wage earners in establishments each of which had annual production valued at less than \$5,000.

<sup>2</sup> Maryland only, the figures for Virginia being included with "All other States" by the Census.

The average earnings per hour for employees in each occupation were computed by dividing the total earnings of all employees in the occupation during the pay-roll period by the total hours worked by such employees.

A very large per cent of the wage earners in this industry are piece workers. No separation has been made of piece workers and time workers.

In establishments where the time actually worked by piece workers is not of record, arrangements were made by agents of the bureau for a day-by-day record of all time actually worked by each employee who did any piece work during the selected pay-roll period.

Average full-time hours per week for employees in each occupation were computed by dividing the total full-time hours per week of all employees in the occupation by the total employees in the occupation during the pay-roll period covered.

Full-time hours per week, as presented in the tables of this report, do not in any way indicate the amount of employment or of unemployment during the pay periods covered in any of the years for which data are shown. In computing average full-time hours each employee was credited with his regular full-time hours per week regardless of the number of hours actually worked by him in the week covered by the study. Some employees of an occupation or of an establishment may have worked more than full time during the pay period taken, due to overtime work, while others may have worked less than full time because of sickness or injury or of entering or leaving the service during the pay period or for other causes.

Average full-time earnings per week for employees in each occupation were computed by multiplying the average earnings per hour of all employees in the occupation by the average full-time hours per week. This assumes that the earnings for full-time would have been at the same average rate per hour as was received during the time actually worked in the pay period covered by this study.

#### OCCUPATIONS IN THE INDUSTRY

The occupations for which data are presented in this bulletin are arranged below in order of manufacture and are defined in Bulletin No. 232.

##### Cutting department:

Cutters, vamp and whole shoe, hand.  
Cutters, vamp and whole shoe, machine.  
Cutters, trimmings, hand (including dinkers and blockers).  
Cutters, trimmings, machine.  
Skivers, upper.  
Cutters, linings, hand.  
Cutters, linings, machine.

##### Sole-leather department:

Cutters, outsole.  
Cutters, insole.  
Rounders, outsole or insole.  
Channelers, outsole or insole.  
Cutters, top and heel lifts, machine.  
Heel builders, hand.  
Heel builders, machine (including compressors).

##### Fitting or stitching department:

Stampers, linings or uppers (including markers).  
Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters).  
Folders, hand and machine.  
Perforators.  
Tip stitchers.  
Closers or seamers.  
Seam rubbers, hand and machine.  
Lining makers (including lining closers and side and top facing stitchers).  
Closers-on.  
Top stitchers (including under-trimmers and barber trimmers).  
Binders (including top banders).  
Buttonhole makers.  
Button fasteners.  
Eyeleters (including hookers).

<p>Fitting or stitching department—Con.</p> <ul style="list-style-type: none"> <li>Vampers.</li> <li>Barrers (including tackers).</li> <li>Tongue stitchers.</li> <li>Fancy stitchers.</li> <li>Backstay stitchers (including back strappers).</li> <li>Table workers.</li> <li>Lacers.</li> </ul> <p>Lasting department:</p> <ul style="list-style-type: none"> <li>Last pickers or sorters (including last casers).</li> <li>Assemblers, for pulling-over machine.</li> <li>Pullers-over, hand.</li> <li>Pullers-over, machine.</li> <li>Side lasters, hand.</li> <li>Side lasters, machine.</li> <li>Bed-machine operators.</li> <li>Hand-method lasting machine operators.</li> <li>Turn lasters, hand (including first and second lasters).</li> <li>Turn lasters, machine.</li> <li>Turn sewers.</li> <li>Tack pullers, hand and machine.</li> </ul> <p>Bottoming department:</p> <ul style="list-style-type: none"> <li>Goodyear welters (including in-seamers).</li> <li>Welt beaters and slashers.</li> <li>Bottom fillers, hand and machine.</li> <li>Sole cementers, hand and machine (including bottom cementers).</li> <li>Sole layers, hand and machine.</li> <li>Rough rounders.</li> </ul>	<p>Bottoming department—Continued</p> <ul style="list-style-type: none"> <li>Channel openers and channel closers (including channel layers, channel turners, channel cementers, and lip turners).</li> <li>Goodyear stitchers.</li> <li>McKay sewers.</li> <li>Stitch separators (including stitch wheelers).</li> <li>Levelers.</li> <li>Heelers, leather.</li> <li>Heelers, wood.</li> <li>Heel trimmers or shavers.</li> <li>Heel breasters.</li> <li>Edge trimmers.</li> <li>Sluggers.</li> </ul> <p>Finishing department:</p> <ul style="list-style-type: none"> <li>Buffers (including bottom scourers).</li> <li>Edge setters.</li> <li>Heel scourers (including first and second scourers).</li> <li>Heel burnishers (including stoners, expeditors, and heel slickers).</li> <li>Bottom finishers (including bottom slickers).</li> <li>Brushers.</li> <li>Shoe cleaners.</li> <li>Last pullers, hand and machine.</li> <li>Treers, hand and machine.</li> <li>Repairers (not cobblers) (including tip fixers and scourers).</li> <li>Dressers.</li> <li>Sock liners (including heel-lining, heel-pad, and heel-pin pasters).</li> <li>Lacers (before packing).</li> <li>Packers.</li> </ul>
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All employees not listed above are tabulated as "Other employees."

#### GENERAL TABLES

In addition to the text tables already shown, five general tables are presented as follows:

**TABLE A.**—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State.

The purpose of this table is to show the variations in hours and earnings by occupations and States. The averages were computed from the data collected in 1928. These are the averages of the days on which employees actually worked in one week, of full-time hours per week, of hours actually worked in one week, of earnings per hour, and of full-time and of actual earnings in one week.

The presentation in this table in parallel columns of "Average full-time hours per week" and "Average hours actually worked in one week" is for the purpose of easy comparison of the hours that would have been worked in one week had all employees in the occupation worked no more nor less than full time with the average hours actually worked in the week. One shows the full-time hours per week under normal conditions, while the other shows the hours actually worked in one week by all employees in the occupation.

Tables B, C, D, and E are distribution tables and are limited to 14 principal occupations.

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1928, by department, sex, and State.

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1928, by department, sex, and State.

TABLE D.—Average and classified hours actually worked in one week in 14 specified occupations, 1928, by department, sex, and State.

TABLE E.—Average and classified actual earnings in one week in 14 specified occupations, 1928, by department, sex, and State.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State

Occupation, sex, and State	Number of establishments	Number of employ-ees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>CUTTING DEPARTMENT</b>									
<b>Cutters, vamp and whole shoe, hand, male:</b>									
Illinois.....	6	143	5.7	48.6	47.1	97	\$0.845	\$41.67	\$39.76
Maine.....	5	89	5.9	53.3	50.7	95	.662	35.22	33.54
Maryland and Virginia.....	5	69	5.8	48.7	49.0	101	.570	27.76	27.95
Massachusetts.....	38	640	5.4	48.0	44.0	92	.895	42.96	39.33
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Minnesota.....	4	31	5.7	48.9	48.6	99	.616	30.12	29.90
Missouri.....	3	62	4.7	48.0	38.7	81	.960	45.60	36.73
New Hampshire.....	5	75	5.5	49.1	44.6	91	.699	34.32	31.17
New Jersey.....	4	45	5.5	46.7	43.7	94	.755	35.26	33.03
New York.....	18	267	5.6	46.9	44.4	95	.974	45.68	43.22
Ohio.....	4	119	5.0	49.9	40.6	81	.866	43.21	35.22
Pennsylvania.....	8	131	5.4	50.1	45.6	91	.597	29.91	27.22
Wisconsin.....	9	104	5.6	49.3	46.5	94	.697	34.36	32.40
<b>Total.....</b>	<b>110</b>	<b>1,777</b>	<b>5.5</b>	<b>48.6</b>	<b>44.8</b>	<b>92</b>	<b>.824</b>	<b>40.05</b>	<b>36.89</b>
<b>Cutters, vamp and whole shoe, machine, male:</b>									
Illinois.....	4	29	5.7	51.4	48.3	94	.621	31.92	29.99
Maine.....	3	41	6.0	51.8	51.0	98	.672	34.81	34.27
Maryland and Virginia.....	4	24	5.1	49.9	42.8	86	.555	27.69	23.73
Massachusetts.....	8	96	5.9	48.0	46.9	98	.874	41.95	41.01
Michigan.....	4	12	5.7	49.8	49.6	100	.530	26.39	26.26
Minnesota.....	2	12	4.8	51.8	44.2	85	.625	32.38	27.61
Missouri.....	4	191	5.2	51.0	44.6	87	.546	27.85	24.32
New Hampshire.....	5	82	5.6	49.5	45.0	91	.670	33.17	30.14
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	11	248	5.4	49.0	45.7	98	.710	34.79	32.48
Ohio.....	4	73	5.2	50.0	43.5	87	.646	32.30	28.06
Pennsylvania.....	3	11	5.4	49.6	47.6	96	.646	32.04	30.75
Wisconsin.....	6	59	5.5	50.7	47.9	94	.679	34.43	32.55
<b>Total.....</b>	<b>59</b>	<b>882</b>	<b>5.4</b>	<b>48.7</b>	<b>45.8</b>	<b>94</b>	<b>.669</b>	<b>32.58</b>	<b>30.66</b>
<b>Cutters, vamp and whole shoe, machine, female:</b>									
Illinois.....	4	30	5.6	50.5	47.8	95	.489	24.69	23.39
Michigan.....	1	1	5.0	50.0	45.8	92	.509	25.45	23.31
Missouri.....	2	6	5.3	50.0	45.3	91	.386	19.30	17.52
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Wisconsin.....	2	5	5.6	50.0	46.1	92	.446	22.30	20.54
<b>Total.....</b>	<b>10</b>	<b>43</b>	<b>5.6</b>	<b>50.3</b>	<b>47.1</b>	<b>94</b>	<b>.471</b>	<b>23.09</b>	<b>22.20</b>
<b>Cutters, trimmings, hand (including dinkers and blockers), male:</b>									
Illinois.....	5	40	5.8	48.8	45.0	92	.519	25.33	23.39
Maine.....	6	63	5.4	53.9	47.0	87	.405	21.83	19.03
Maryland and Virginia.....	3	15	5.6	48.9	46.6	95	.268	13.11	12.46
Massachusetts.....	34	263	5.4	47.9	43.9	92	.613	29.36	26.83

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours worked in week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>CUTTING DEPARTMENT—Continued</b>									
<b>Cutters, trimmings, hand—Con.</b>									
Michigan.....	2	2	5.5	50.0	49.9	100	\$0.408	\$20.40	\$20.34
Minnesota.....	4	15	5.8	49.6	50.1	101	.347	17.21	17.41
Missouri.....	5	55	5.1	49.5	42.8	86	.433	21.43	18.52
New Hampshire.....	5	37	5.5	49.1	42.2	86	.489	24.01	20.64
New Jersey.....	4	16	5.3	48.0	41.5	86	.563	27.02	23.39
New York.....	16	136	5.6	47.7	46.1	97	.575	27.43	26.47
Ohio.....	4	22	5.5	49.8	43.2	87	.624	31.08	26.96
Pennsylvania.....	8	40	5.1	50.5	43.2	86	.442	22.32	19.11
Wisconsin.....	5	24	5.8	49.0	45.7	93	.386	18.91	17.61
<b>Total.....</b>	<b>101</b>	<b>733</b>	<b>5.5</b>	<b>48.9</b>	<b>44.6</b>	<b>91</b>	<b>.530</b>	<b>25.92</b>	<b>23.65</b>
<b>Cutters, trimmings, hand (including dinkers and blockers), female:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Michigan.....	2	2	5.0	50.0	45.0	90	.391	19.55	17.58
Ohio.....	2	7	5.9	50.0	47.6	95	.350	17.50	16.63
<b>Total.....</b>	<b>6</b>	<b>19</b>	<b>5.6</b>	<b>49.7</b>	<b>46.1</b>	<b>93</b>	<b>.363</b>	<b>18.04</b>	<b>16.75</b>
<b>Cutters, trimmings, machine, male:</b>									
Illinois.....	6	43	5.6	50.9	46.3	91	.414	21.07	19.18
Maine.....	3	15	5.7	54.0	46.1	85	.415	22.41	19.11
Maryland and Virginia.....	4	12	5.1	50.5	43.2	86	.454	22.93	19.62
Massachusetts.....	2	2	5.5	48.0	46.2	96	.710	34.06	32.81
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	5	43	5.1	50.0	42.9	86	.404	20.20	17.33
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey.....	2	4	5.5	47.6	44.1	92	.403	19.18	17.80
New York.....	11	88	5.8	48.9	47.4	97	.501	24.50	22.73
Ohio.....	5	10	5.5	50.0	46.1	92	.421	21.05	19.38
Pennsylvania.....	4	20	4.9	48.3	42.7	88	.277	13.38	11.81
Wisconsin.....	5	12	5.6	50.1	48.6	97	.388	19.44	18.83
<b>Total.....</b>	<b>50</b>	<b>259</b>	<b>5.4</b>	<b>49.9</b>	<b>45.9</b>	<b>92</b>	<b>.436</b>	<b>21.76</b>	<b>20.01</b>
<b>Cutters, trimmings, machine, female:</b>									
Illinois.....	3	11	5.9	50.0	49.1	98	.323	16.15	15.85
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	2	13	5.2	48.6	45.0	93	.436	21.19	19.63
Ohio.....	2	5	5.4	50.0	46.0	92	.404	20.20	18.56
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
<b>Total.....</b>	<b>9</b>	<b>36</b>	<b>5.6</b>	<b>49.4</b>	<b>47.2</b>	<b>96</b>	<b>.372</b>	<b>18.38</b>	<b>17.54</b>
<b>Skivers, upper, male:</b>									
Illinois.....	3	7	5.9	51.9	47.8	92	.300	15.57	14.34
Maine.....	3	4	6.0	51.0	51.7	101	.464	23.66	24.01
Maryland and Virginia.....	3	6	4.2	50.4	33.1	66	.454	22.88	15.01
Massachusetts.....	14	52	5.4	48.0	43.2	90	.674	32.35	29.14
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	8	24	5.6	45.8	46.3	101	.836	38.29	36.71
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
<b>Total.....</b>	<b>34</b>	<b>98</b>	<b>5.4</b>	<b>48.1</b>	<b>43.9</b>	<b>91</b>	<b>.653</b>	<b>31.41</b>	<b>28.69</b>
<b>Skivers, upper, female:</b>									
Illinois.....	8	45	5.6	49.0	45.5	93	.499	24.45	22.72
Maine.....	6	18	5.8	52.2	46.4	89	.508	26.52	23.57
Maryland and Virginia.....	3	17	5.4	48.8	44.4	91	.358	17.47	15.89
Massachusetts.....	26	107	5.7	47.9	44.6	93	.542	25.96	24.14
Michigan.....	4	6	6.0	49.7	49.5	100	.298	14.81	14.76
Minnesota.....	4	8	5.5	49.9	47.6	95	.358	17.86	17.06

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>CUTTING DEPARTMENT—Continued</b>									
<b>Skivers, upper, female—Contd.</b>									
Missouri.....	7	56	5.5	50.5	44.9	89	\$0.391	\$19.75	\$17.56
New Hampshire.....	9	47	5.6	49.0	46.4	94	.417	20.43	19.32
New Jersey.....	3	12	5.4	46.0	41.4	90	.518	23.83	21.43
New York.....	15	94	5.5	48.5	44.4	92	.474	22.99	21.04
Ohio.....	7	42	5.5	49.9	44.9	90	.414	20.66	18.62
Pennsylvania.....	8	37	5.3	50.4	45.0	89	.443	22.58	20.18
Wisconsin.....	10	52	5.4	48.9	44.6	91	.414	20.24	18.45
Total.....	110	541	5.5	49.1	44.9	91	.458	22.49	20.59
<b>Cutters, linings, hand, male:</b>									
Illinois.....	3	8	6.0	48.9	47.3	97	.700	34.23	33.12
Maine.....	4	12	6.0	52.1	52.4	101	.656	34.18	34.39
Maryland and Virginia.....	3	31	5.7	48.2	45.8	95	.378	18.22	17.31
Massachusetts.....	33	127	5.6	47.9	44.5	93	.734	35.16	32.66
Michigan.....	2	2	6.0	49.0	49.0	100	.454	22.25	22.25
Minnesota.....	2	2	5.0	48.0	41.5	86	.522	25.06	21.65
Missouri.....	5	11	5.3	48.7	44.2	91	.659	32.09	29.14
New Hampshire.....	4	24	5.8	49.5	46.6	94	.581	28.76	27.09
New Jersey.....	4	4	5.3	47.6	44.0	92	.676	32.18	29.74
New York.....	15	42	5.4	47.6	43.8	92	.794	37.79	34.81
Ohio.....	3	26	5.2	49.9	42.1	84	.716	35.73	30.12
Pennsylvania.....	7	31	5.4	50.6	46.3	92	.447	22.62	20.68
Wisconsin.....	6	18	5.7	48.7	46.7	96	.568	27.66	26.51
Total.....	91	338	5.5	48.7	45.1	93	.649	31.61	29.30
<b>Cutters, linings, hand, female:</b>									
Massachusetts.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-----	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Michigan.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-----	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Ohio.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-----	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Total.....	3	6	4.5	49.7	36.4	73	.416	20.68	15.15
<b>Cutters, linings, machine, male:</b>									
Illinois.....	5	13	5.2	50.1	42.5	85	.583	29.21	24.75
Maine.....	2	9	4.9	52.3	36.1	69	.772	40.38	27.86
Maryland and Virginia.....	6	10	5.9	50.0	49.4	99	.602	30.10	29.72
Massachusetts.....	9	45	5.9	48.0	47.0	98	.614	29.47	28.87
Michigan.....	2	2	6.0	50.0	52.3	105	.425	21.25	22.20
Minnesota.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-----	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Missouri.....	4	11	5.5	50.0	46.9	94	.551	27.55	25.83
New Hampshire.....	5	33	5.2	49.4	41.6	84	.505	24.95	21.02
New York.....	7	31	5.5	48.5	46.8	96	.550	26.68	25.75
Ohio.....	4	8	5.9	50.0	48.8	98	.551	27.55	26.88
Pennsylvania.....	2	5	6.0	50.0	49.2	98	.379	18.95	18.62
Wisconsin.....	7	11	5.5	49.6	46.3	93	.543	26.93	25.17
Total.....	54	179	5.5	49.2	45.4	92	.566	27.85	25.71
<b>Cutters, linings, machine, female:</b>									
Illinois.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Ohio.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Wisconsin.....	2	5	5.0	49.0	41.8	85	.332	16.27	13.88
Total.....	4	7	5.1	49.7	43.1	87	.334	16.60	14.39
<b>SOLE-LEATHER DEPARTMENT</b>									
<b>Cutters, outsole, male:</b>									
Illinois.....	4	14	3.9	49.2	33.0	67	\$0.636	\$31.29	\$20.98
Maine.....	2	3	6.0	52.7	54.3	103	.619	32.62	33.57
Maryland and Virginia.....	4	6	5.0	50.4	42.2	84	.573	28.88	24.15
Massachusetts.....	19	55	5.3	48.6	43.8	90	.762	37.03	33.36
Michigan.....	3	5	6.0	49.6	48.3	97	.780	38.69	37.67

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>SOLE-LEATHER DEPARTMENT—Continued</b>									
<b>Cutters, outsole, male—Contd.</b>									
Minnesota	2	2	6.0	50.3	50.3	100	\$0.607	\$30.53	\$30.53
Missouri	4	98	5.7	49.6	46.5	94	.757	37.55	35.22
New Hampshire	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey	2	2	6.0	47.0	48.3	103	.689	27.68	28.41
New York	4	28	4.5	48.1	36.4	76	.754	36.27	27.44
Ohio	5	15	5.2	50.0	41.8	84	.604	30.20	25.20
Pennsylvania	7	26	5.6	50.4	47.8	95	.598	30.14	28.60
Wisconsin	3	12	5.2	50.3	45.9	91	.661	33.25	30.36
Total	60	285	5.4	49.3	44.3	90	.716	35.30	31.74
<b>Cutters, insole, male:</b>									
Illinois	4	24	5.3	48.2	43.5	90	.678	32.68	29.48
Maryland and Virginia	4	4	5.3	50.3	45.4	90	.442	22.23	20.04
Massachusetts	15	37	5.5	48.1	44.7	93	.675	32.47	30.14
Michigan	3	5	6.0	49.6	48.1	97	.655	32.49	31.52
Minnesota	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri	4	136	5.4	48.8	43.5	89	.702	34.26	30.54
New Hampshire	2	47	5.9	48.0	51.0	106	.714	34.27	36.43
New Jersey	2	2	5.5	47.0	45.8	97	.686	27.54	26.81
New York	5	14	5.9	48.6	48.0	99	.692	28.77	28.38
Ohio	3	8	5.3	50.0	40.4	81	.520	26.00	21.01
Pennsylvania	8	66	5.6	51.2	46.9	92	.607	25.96	23.78
Wisconsin	3	5	5.2	52.6	46.2	88	.495	25.51	22.39
Total	54	349	5.5	49.2	45.6	93	.644	31.68	29.36
<b>Rounders, outsole or insole, male:</b>									
Illinois	8	17	5.8	50.6	48.6	96	.571	28.89	27.77
Maine	5	9	5.4	53.1	50.4	95	.468	24.85	23.59
Maryland and Virginia	2	3	5.7	48.3	45.3	93	.729	35.58	33.04
Massachusetts	22	34	5.4	48.1	41.9	87	.743	35.74	31.14
Michigan	3	3	6.0	49.3	50.0	101	.673	33.13	33.67
Minnesota	3	3	6.0	50.2	50.2	100	.649	27.56	27.56
Missouri	7	33	5.6	50.7	46.4	92	.621	31.48	28.80
New Hampshire	6	8	5.4	50.2	42.2	84	.663	33.28	27.94
New Jersey	4	5	5.4	46.9	43.6	93	.604	28.33	26.33
New York	9	17	5.5	48.4	45.3	94	.707	34.22	32.06
Ohio	6	12	5.2	50.0	41.8	84	.652	32.60	27.23
Pennsylvania	7	11	5.2	50.5	43.7	87	.495	25.00	21.62
Wisconsin	7	11	4.6	51.7	39.0	75	.477	24.66	18.58
Total	89	166	5.4	49.8	44.6	90	.627	31.22	27.98
<b>Channelers, outsole or insole, male:</b>									
Illinois	7	25	5.7	50.8	47.5	94	.652	33.12	30.98
Maine	3	9	5.2	53.1	46.5	88	.606	32.18	28.10
Maryland and Virginia	4	4	6.0	49.9	48.3	97	.532	26.55	25.68
Massachusetts	22	36	5.3	48.0	41.2	86	.841	40.37	34.68
Michigan	3	3	5.0	49.3	40.9	83	.500	24.65	20.48
Minnesota	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri	7	17	5.4	50.2	45.1	90	.648	32.53	29.25
New Hampshire	7	14	5.7	49.5	45.7	92	.643	31.83	29.43
New Jersey	4	7	5.9	48.1	48.3	100	.674	32.42	32.54
New York	10	31	5.6	48.4	45.6	94	.732	35.43	33.34
Ohio	6	14	5.4	49.9	44.4	89	.703	35.08	31.22
Pennsylvania	8	14	5.4	50.2	43.1	86	.566	28.41	24.42
Wisconsin	11	17	5.5	49.6	46.3	93	.591	29.31	27.41
Total	93	193	5.5	49.5	44.9	91	.681	33.71	30.62
<b>Cutters, top and heel lifts, machine, male:</b>									
Illinois	4	8	5.0	48.2	42.7	89	.563	27.14	24.01
Maryland and Virginia	2	2	5.5	50.5	45.5	90	.306	15.45	13.92
Massachusetts	8	29	5.3	47.9	42.7	89	.533	25.53	22.74
Michigan	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>SOLE-LEATHER DEPARTMENT—Continued</b>									
Cutters, top and heel lifts, machine, male—Continued.									
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	3	17	5.4	48.0	44.1	92	\$0.418	\$20.06	\$18.43
New Hampshire.....	4	53	5.9	48.1	49.8	104	.538	26.81	25.88
New York.....	2	6	4.8	48.0	37.0	77	.766	36.77	28.35
Ohio.....	5	8	4.6	50.0	46.9	94	.468	23.40	21.96
Pennsylvania.....	3	6	5.5	52.7	48.7	92	.422	22.24	20.54
Total.....	33	131	5.6	48.4	46.2	95	.517	25.02	23.87
Heel builders, hand, male:									
Massachusetts.....	2	2	5.5	48.0	46.4	97	.538	25.82	24.94
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Ohio.....	3	9	5.6	50.0	47.3	95	.473	23.65	22.36
Pennsylvania.....	3	15	5.1	53.4	45.9	86	.286	15.27	13.13
Wisconsin.....	2	2	6.0	51.5	51.0	99	.563	28.99	28.70
Total.....	11	32	5.3	51.6	46.3	90	.388	20.02	17.95
Heel builders, hand, female:									
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	2	8	5.1	48.0	42.5	89	.602	28.90	25.59
Ohio.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pennsylvania.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	5	23	5.1	52.0	45.4	87	.403	20.96	18.29
Heel builders, machine (including compressors), male:									
Illinois.....	3	3	5.3	48.5	48.0	99	.430	20.86	20.64
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	6	10	5.6	48.0	45.1	94	.490	23.52	22.13
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri.....	3	63	5.9	48.0	47.0	98	.512	24.58	24.07
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	3	5	4.8	47.2	38.6	82	.612	28.89	23.65
Ohio.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pennsylvania.....	3	11	5.4	54.4	49.1	90	.382	20.78	18.77
Wisconsin.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	23	97	5.7	48.7	46.7	96	.498	24.25	23.24
Heel builders, machine (including compressors), female:									
Illinois.....	3	17	4.8	48.8	41.4	85	.436	21.28	18.04
Massachusetts.....	2	12	5.9	48.0	47.2	98	.439	21.07	20.68
Minnesota.....	2	2	4.5	50.3	39.0	78	.302	15.19	11.77
Missouri.....	3	58	5.6	48.0	45.4	95	.454	21.79	20.57
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	13	124	5.5	48.1	45.9	95	.453	21.79	20.75
<b>FITTING OR STITCHING DEPARTMENT</b>									
Stampers, linings or uppers (including markers), male:									
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	2	8	6.0	48.0	47.2	98	\$0.580	\$27.84	\$27.39
New York.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	7	15	5.9	48.0	48.1	100	.621	29.81	29.90

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>									
Stampers, linings or uppers (including markers), female:									
Illinois.....	8	44	5.7	49.5	46.5	94	\$0.419	\$20.74	\$19.48
Maine.....	6	42	5.6	52.7	46.5	88	.369	19.45	17.18
Maryland and Virginia.....	5	16	5.8	49.0	47.1	96	.245	12.01	11.52
Massachusetts.....	33	133	5.7	47.9	41.7	87	.456	21.84	19.01
Michigan.....	3	5	5.4	49.6	45.3	91	.290	14.38	13.12
Minnesota.....	4	5	6.0	49.3	49.2	100	.364	17.95	17.90
Missouri.....	7	33	5.7	50.5	46.7	92	.369	18.63	17.22
New Hampshire.....	9	56	5.2	48.7	41.4	85	.368	17.92	15.24
New Jersey.....	3	8	5.8	44.8	43.4	97	.439	19.67	19.02
New York.....	19	100	5.3	48.1	42.6	89	.408	19.62	17.39
Ohio.....	7	39	5.4	49.8	42.7	86	.401	19.97	17.13
Pennsylvania.....	8	47	4.6	48.9	39.6	81	.335	16.38	13.30
Wisconsin.....	11	42	5.4	48.7	43.2	89	.394	19.19	17.04
Total.....	123	570	5.4	48.9	42.8	88	.400	19.56	17.14
Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), male:									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	3	6	5.5	45.3	41.9	92	.730	33.07	30.58
Total.....	5	9	5.7	46.2	44.2	96	.636	29.38	28.10
Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), female:									
Illinois.....	8	113	5.7	50.6	47.0	93	.296	14.98	13.93
Maine.....	5	92	5.5	53.6	47.3	88	.286	15.33	13.52
Maryland and Virginia.....	6	54	5.7	48.7	47.9	98	.199	9.69	9.53
Massachusetts.....	35	324	5.5	48.0	43.6	91	.397	19.06	17.34
Michigan.....	3	7	5.6	49.4	45.4	92	.286	14.13	12.95
Minnesota.....	4	11	5.9	49.6	50.2	101	.256	12.70	12.84
Missouri.....	7	134	5.6	49.9	46.1	92	.307	15.32	14.14
New Hampshire.....	9	110	5.4	49.4	44.1	89	.311	15.36	13.73
New Jersey.....	3	22	5.6	44.8	41.0	92	.499	22.36	20.44
New York.....	18	217	5.4	48.8	44.2	90	.338	16.49	14.96
Ohio.....	7	73	5.3	49.8	43.0	86	.328	16.33	14.11
Pennsylvania.....	8	112	5.2	49.8	45.2	91	.292	14.54	13.20
Wisconsin.....	11	49	5.0	48.9	39.9	82	.330	16.14	13.16
Total.....	124	1,318	5.5	49.3	44.7	91	.330	16.27	14.75
Folders, hand and machine, male:									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	6	36	5.5	44.2	47.0	106	.911	40.27	42.78
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	11	51	5.5	45.4	46.2	102	.808	36.68	37.36
Folders, hand and machine, female:									
Illinois.....	8	48	5.8	49.1	47.1	96	.466	22.88	21.97
Maine.....	6	38	5.2	53.1	44.7	84	.342	18.16	15.28
Maryland and Virginia.....	4	13	5.3	48.7	45.0	92	.282	13.73	12.67
Massachusetts.....	34	347	5.4	47.9	42.2	88	.426	20.41	17.99
Michigan.....	2	3	6.0	49.3	47.9	97	.371	18.29	17.77
Minnesota.....	4	16	5.7	49.8	47.8	96	.289	14.39	13.83
Missouri.....	7	81	5.6	49.7	45.1	91	.377	18.74	17.01
New Hampshire.....	9	45	5.4	49.4	44.4	90	.380	18.77	16.87
New Jersey.....	3	9	5.1	49.9	41.1	82	.427	21.31	17.56
New York.....	17	178	5.0	48.3	44.2	92	.456	22.02	20.15
Ohio.....	7	50	4.9	49.8	38.6	78	.378	18.82	14.61
Pennsylvania.....	8	59	5.2	49.4	43.8	89	.380	18.77	17.06
Wisconsin.....	10	41	5.2	48.7	41.0	84	.459	22.35	18.82
Total.....	119	928	5.4	48.8	43.3	89	.416	20.30	18.01

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>									
<b>Perforators, male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	2	2	6.0	52.0	54.8	105	\$0.539	\$23.03	\$29.52
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	3	3	5.7	48.0	44.8	93	.489	23.47	21.94
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	8	22	5.9	48.0	49.6	103	.661	31.73	32.75
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	18	34	5.7	48.3	47.6	99	.648	31.90	30.86
<b>Perforators, female:</b>									
Illinois.....	7	39	5.8	50.5	47.5	94	.363	18.33	17.24
Maine.....	4	7	5.9	52.9	50.1	95	.467	24.70	23.41
Maryland and Virginia.....	4	11	5.7	48.9	50.0	102	.356	17.41	17.79
Massachusetts.....	20	47	5.6	47.9	41.6	87	.574	27.49	23.92
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	4	5	6.0	49.7	51.7	104	.319	15.85	16.47
Missouri.....	6	44	5.3	50.2	43.8	87	.329	16.52	14.40
New Hampshire.....	7	17	5.5	49.2	44.6	91	.356	17.52	15.87
New Jersey.....	3	6	5.5	47.4	44.0	93	.454	21.52	19.98
New York.....	15	40	5.7	48.4	45.8	95	.523	25.31	23.93
Ohio.....	7	17	5.2	49.9	42.7	86	.325	16.22	13.87
Pennsylvania.....	8	20	5.4	50.4	46.5	92	.424	21.37	19.70
Wisconsin.....	10	15	5.3	49.3	43.2	88	.427	21.05	18.45
Total.....	96	269	5.6	49.4	45.0	91	.424	20.95	19.09
<b>Tip stitchers, female:</b>									
Illinois.....	6	42	5.2	48.9	42.4	87	.525	25.67	22.25
Maine.....	4	11	5.8	50.7	50.4	99	.515	26.11	25.93
Maryland and Virginia.....	3	6	5.5	48.8	46.0	94	.300	14.64	13.79
Massachusetts.....	15	69	5.7	48.0	45.2	94	.507	24.34	22.89
Michigan.....	3	3	6.0	50.0	50.0	100	.288	13.41	13.41
Minnesota.....	3	3	6.0	50.2	49.3	98	.377	18.93	18.56
Missouri.....	5	34	6.0	50.7	49.9	98	.300	15.21	14.97
New Hampshire.....	3	16	5.7	48.8	49.0	100	.353	17.23	17.31
New Jersey.....	3	8	5.3	44.8	38.3	85	.477	21.37	18.26
New York.....	9	24	5.0	47.8	41.4	87	.448	21.41	18.54
Ohio.....	3	12	5.7	50.0	47.1	94	.381	19.05	17.96
Pennsylvania.....	4	5	5.8	51.0	48.4	95	.288	14.69	13.93
Wisconsin.....	8	27	5.1	48.8	42.5	87	.470	22.94	19.97
Total.....	69	260	5.5	48.8	45.2	93	.440	21.47	19.92
<b>Closers or seamers, male:</b>									
Massachusetts.....	4	6	6.0	48.0	47.5	99	.562	26.98	26.71
Missouri.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	2	4	5.0	44.0	42.4	96	.996	43.82	42.19
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	8	16	5.8	47.8	47.2	99	.624	29.83	29.44
<b>Closers or seamers, female:</b>									
Illinois.....	8	25	5.8	50.7	48.5	96	.357	18.10	17.30
Maine.....	5	37	5.5	53.6	47.3	88	.366	19.62	17.33
Maryland and Virginia.....	5	13	5.5	49.1	47.2	96	.242	11.88	11.45
Massachusetts.....	33	81	5.4	48.0	42.8	89	.453	23.18	20.65
Michigan.....	3	3	5.3	49.3	38.8	79	.323	15.92	12.52
Minnesota.....	4	6	6.0	49.8	50.9	102	.329	16.38	16.73
Missouri.....	7	30	5.8	50.3	47.6	95	.352	17.71	16.74
New Hampshire.....	9	24	5.5	49.1	44.0	90	.386	18.95	16.98
New Jersey.....	4	14	5.1	50.0	40.5	81	.396	19.80	16.03
New York.....	15	91	5.5	48.7	44.6	92	.436	21.23	19.44
Ohio.....	6	12	5.6	49.9	44.5	89	.407	20.31	18.10
Pennsylvania.....	8	26	5.5	49.7	47.8	96	.373	18.54	17.80
Wisconsin.....	10	17	5.5	49.1	44.0	90	.457	22.44	20.13
Total.....	117	379	5.5	49.5	45.1	91	.407	20.15	18.36

1 Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>									
<b>Seam rubbers, hand and machine, male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	7	13	5.6	48.0	42.5	89	\$0.345	\$16.56	\$14.68
New York.....	2	2	5.5	47.0	46.8	100	.570	26.79	26.65
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	13	20	5.4	48.0	42.4	88	.408	19.58	17.33
<b>Seam rubbers, hand and machine, female:</b>									
Illinois.....	6	15	5.9	50.5	48.5	96	.347	17.52	16.83
Maine.....	2	2	6.0	52.0	34.9	67	.238	12.38	8.31
Massachusetts.....	7	10	5.5	48.0	44.4	93	.484	23.23	21.47
Minnesota.....	3	3	5.0	49.5	42.3	85	.254	12.57	10.75
Missouri.....	7	36	5.7	49.4	47.1	95	.315	15.56	14.86
New Hampshire.....	4	6	6.0	49.1	48.8	99	.298	14.63	14.55
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	6	12	5.7	49.2	46.9	95	.335	16.48	15.68
Ohio.....	5	9	5.6	49.3	43.2	88	.387	19.08	16.69
Pennsylvania.....	5	6	4.3	49.7	34.1	68	.289	14.36	9.87
Wisconsin.....	4	6	5.3	48.3	41.7	86	.396	19.13	16.51
Total.....	50	106	5.6	49.3	45.3	92	.346	17.06	15.68
<b>Lining makers (including lining closers and side and top facing stitchers), female:</b>									
Illinois.....	8	131	5.6	50.1	46.5	93	.378	18.94	17.58
Maine.....	6	57	5.7	53.1	46.9	88	.360	19.12	16.88
Maryland and Virginia.....	5	34	5.5	49.2	45.5	92	.268	13.19	12.20
Massachusetts.....	38	267	5.4	47.9	42.0	88	.470	22.51	19.75
Michigan.....	4	7	5.4	49.7	44.4	89	.329	16.35	14.61
Minnesota.....	4	14	5.6	50.3	47.3	94	.316	15.89	14.94
Missouri.....	7	124	5.7	50.4	47.0	93	.296	14.92	13.94
New Hampshire.....	9	74	5.4	49.4	44.0	89	.385	19.02	16.91
New Jersey.....	4	15	5.5	47.1	42.1	89	.484	22.80	20.40
New York.....	18	153	5.4	48.3	43.4	90	.435	21.01	18.91
Ohio.....	7	59	5.3	49.9	40.5	81	.392	19.56	15.91
Pennsylvania.....	8	57	5.3	49.8	40.0	92	.348	17.33	16.04
Wisconsin.....	11	54	5.1	48.4	41.1	85	.466	22.55	19.17
Total.....	129	1,046	5.5	49.2	44.1	90	.398	19.58	17.53
<b>Closers-on, female:</b>									
Massachusetts.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	3	7	5.0	49.1	36.5	74	.382	18.76	13.95
<b>Top stitchers (including under trimmers and barber trimmers), male:</b>									
Illinois.....	2	13	5.6	48.0	46.6	97	.912	43.78	42.51
Maryland and Virginia.....	3	12	5.2	50.4	43.5	86	.475	23.94	20.64
Massachusetts.....	12	47	5.9	48.1	48.3	100	.975	46.90	47.07
Missouri.....	2	4	5.8	52.0	47.1	91	.437	22.72	20.59
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	7	32	5.1	45.6	39.8	87	.839	38.26	33.41
Pennsylvania.....	2	13	5.3	48.0	45.4	95	.834	40.03	37.90
Total.....	30	132	5.5	47.9	44.8	94	.830	39.76	37.20

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>									
<b>Top stitchers (including under trimmers and barber trimmers), female:</b>									
Illinois.....	8	134	5.7	50.5	47.0	93	\$0.393	\$19.85	\$18.49
Maine.....	6	78	5.5	53.4	45.0	84	.450	24.03	20.29
Maryland and Virginia.....	4	55	5.8	48.5	50.2	104	.263	12.76	13.20
Massachusetts.....	38	325	5.4	47.9	41.9	87	.552	26.44	23.15
Michigan.....	4	16	5.1	49.5	42.5	86	.371	18.36	15.80
Minnesota.....	4	14	6.0	49.4	51.0	103	.351	17.34	17.91
Missouri.....	7	193	5.6	50.7	46.5	92	.362	18.35	16.81
New Hampshire.....	8	89	5.4	49.4	44.3	90	.440	21.74	19.51
New Jersey.....	3	11	5.8	48.3	46.2	96	.510	24.63	23.54
New York.....	16	237	5.3	48.6	43.2	89	.499	24.25	21.54
Ohio.....	7	110	5.3	49.9	43.2	87	.403	20.11	17.42
Pennsylvania.....	8	61	5.5	50.0	47.3	95	.453	22.65	21.43
Wisconsin.....	11	76	5.2	48.7	40.4	83	.519	25.28	20.98
Total.....	124	1,399	5.5	49.4	44.3	90	.451	22.28	20.00
<b>Binders (including top banders), female:</b>									
Illinois.....	4	43	5.4	51.4	45.6	89	.270	13.88	12.31
Maine.....	4	32	5.6	54.0	45.8	85	.446	24.08	20.44
Maryland and Virginia.....	5	22	5.8	48.6	51.3	106	.291	14.14	14.93
Massachusetts.....	28	141	5.1	47.9	39.6	83	.635	30.42	25.18
Michigan.....	2	2	5.5	50.0	47.3	95	.270	13.50	12.74
Minnesota.....	3	7	5.9	48.9	50.5	103	.300	14.67	15.14
Missouri.....	5	53	5.5	49.1	45.6	93	.420	20.62	19.15
New Hampshire.....	7	24	5.7	50.1	44.2	88	.476	23.85	21.04
New Jersey.....	3	7	5.6	49.0	42.4	87	.529	25.92	22.89
New York.....	15	114	5.3	48.5	43.3	89	.554	26.87	23.97
Ohio.....	5	38	5.2	49.9	42.1	84	.462	23.05	19.46
Pennsylvania.....	7	37	5.4	49.2	44.9	91	.453	22.29	20.33
Wisconsin.....	4	14	5.0	48.1	36.7	76	.504	24.24	18.45
Total.....	92	534	5.3	49.2	43.2	88	.492	24.21	21.26
<b>Buttonhole makers, female:</b>									
Illinois.....	4	9	5.7	50.4	47.8	95	.381	19.20	18.20
Maine.....	2	4	4.5	54.0	38.9	72	.376	20.30	14.62
Maryland and Virginia.....	5	5	5.6	49.8	47.9	96	.309	15.39	14.82
Massachusetts.....	15	23	5.6	47.9	41.6	87	.437	20.93	18.20
Missouri.....	4	7	5.7	49.1	46.6	95	.371	18.22	17.31
New Hampshire.....	5	9	4.9	49.6	38.3	77	.385	19.10	14.74
New Jersey.....	2	2	5.5	51.3	48.8	95	.436	22.37	21.25
New York.....	10	10	5.6	47.2	44.2	94	.474	22.37	20.95
Ohio.....	4	5	5.2	49.9	38.2	77	.352	17.66	13.45
Pennsylvania.....	4	5	5.6	50.6	48.2	95	.345	17.46	16.61
Wisconsin.....	2	2	5.0	48.0	40.4	84	.432	20.74	17.45
Total.....	57	81	5.4	49.2	43.3	88	.401	19.73	17.36
<b>Button fasteners, female:</b>									
Illinois.....	3	8	5.8	51.1	48.8	95	.328	16.76	16.03
Maine.....	2	2	6.0	54.0	50.2	93	.289	15.61	14.49
Maryland and Virginia.....	2	2	6.0	50.3	53.8	107	.247	12.42	13.28
Massachusetts.....	2	2	6.0	48.0	35.1	73	.869	41.71	30.50
Missouri.....	4	9	5.3	49.1	45.0	92	.286	14.04	12.88
New Hampshire.....	2	2	6.0	49.0	47.8	98	.341	16.71	16.30
New Jersey.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-----	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
New York.....	6	10	5.7	49.0	47.1	96	.412	20.19	19.40
Ohio.....	3	3	5.3	49.8	44.0	88	.389	19.37	17.12
Pennsylvania.....	5	9	5.1	49.2	43.9	89	.300	14.76	13.15
Total.....	30	48	5.5	49.8	46.1	93	.352	17.53	16.23

<sup>1</sup> Data included in total.

**TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued**

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>									
<b>Eyeleters (including hookers), male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	4	5	6.0	51.6	37.0	-----	\$0.684	\$35.29	\$38.97
Maryland and Virginia.....	2	2	5.5	50.5	44.5	88	.470	23.74	20.91
Massachusetts.....	8	18	5.7	48.0	45.8	95	.604	28.99	27.70
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Hampshire.....	5	8	5.9	49.3	46.8	-----	.549	27.07	25.70
New Jersey.....	3	3	5.7	46.0	42.3	92	.912	41.95	38.60
New York.....	5	12	5.3	47.0	42.3	90	.597	28.06	25.29
Pennsylvania.....	3	3	5.0	50.0	51.3	103	.435	21.75	22.34
Wisconsin.....	3	3	6.0	51.7	51.7	100	.471	24.35	24.35
<b>Total.....</b>	<b>36</b>	<b>59</b>	<b>5.7</b>	<b>48.8</b>	<b>46.9</b>	<b>96</b>	<b>.588</b>	<b>28.09</b>	<b>27.53</b>
<b>Eyeleters (including hookers), female:</b>									
Illinois.....	7	17	5.6	49.1	46.4	95	.520	25.53	24.10
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	12	16	5.6	47.8	41.3	86	.493	23.80	20.56
Michigan.....	3	4	6.0	49.5	47.8	97	.354	17.62	16.89
Minnesota.....	4	7	6.0	50.9	50.6	99	.343	17.46	17.36
Missouri.....	5	17	5.9	50.4	49.7	99	.379	19.10	18.82
New Hampshire.....	3	5	5.4	48.4	44.1	91	.373	18.05	16.47
New York.....	7	12	4.7	48.5	39.4	81	.529	25.66	20.84
Ohio.....	6	12	5.8	49.9	45.0	96	.374	18.66	17.95
Pennsylvania.....	6	5	5.3	50.1	44.4	89	.398	19.94	17.67
Wisconsin.....	5	5	5.6	48.9	46.7	96	.468	22.89	21.86
<b>Total.....</b>	<b>62</b>	<b>110</b>	<b>5.6</b>	<b>49.7</b>	<b>45.9</b>	<b>92</b>	<b>.435</b>	<b>21.62</b>	<b>19.93</b>
<b>Vampers, male:</b>									
Illinois.....	2	17	5.5	48.0	46.2	96	.845	40.56	39.05
Maine.....	4	5	6.0	53.2	51.7	97	.557	29.63	28.79
Maryland and Virginia.....	3	8	5.5	50.4	46.4	96	.636	32.05	28.88
Massachusetts.....	22	155	5.9	48.0	46.9	98	.736	35.33	34.51
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Hampshire.....	4	8	5.8	50.1	47.1	94	.497	24.90	23.43
New Jersey.....	2	5	5.6	44.0	39.2	89	.859	37.80	33.67
New York.....	10	37	5.4	46.8	43.9	94	.743	34.77	32.62
Pennsylvania.....	2	15	5.5	48.0	47.9	100	.837	42.88	42.47
Wisconsin.....	3	12	5.3	49.3	45.9	93	.643	31.70	29.54
<b>Total.....</b>	<b>54</b>	<b>270</b>	<b>5.7</b>	<b>48.2</b>	<b>46.4</b>	<b>96</b>	<b>.727</b>	<b>35.04</b>	<b>33.73</b>
<b>Vampers, female:</b>									
Illinois.....	8	96	5.6	49.6	46.3	93	.517	25.64	23.98
Maine.....	5	45	5.6	52.3	47.2	90	.519	27.14	24.46
Maryland and Virginia.....	6	38	5.7	48.7	49.3	101	.369	17.97	18.19
Massachusetts.....	80	172	5.5	48.0	43.5	91	.628	30.14	27.35
Michigan.....	4	12	5.5	49.7	43.3	87	.403	20.03	17.43
Minnesota.....	4	18	5.8	49.7	49.1	99	.415	20.63	20.41
Missouri.....	7	141	5.6	50.6	46.7	92	.406	20.54	18.98
New Hampshire.....	9	91	5.7	49.2	46.1	94	.502	24.70	23.14
New Jersey.....	4	18	5.7	48.1	45.6	95	.562	27.03	25.65
New York.....	17	189	5.6	48.4	44.9	93	.534	25.85	23.96
Ohio.....	7	87	5.3	49.9	41.8	84	.428	21.36	17.88
Pennsylvania.....	7	45	5.4	51.0	47.3	93	.442	22.54	20.87
Wisconsin.....	11	75	5.3	48.9	43.1	88	.545	26.65	23.50
<b>Total.....</b>	<b>119</b>	<b>1,022</b>	<b>5.5</b>	<b>49.3</b>	<b>45.2</b>	<b>92</b>	<b>.505</b>	<b>24.90</b>	<b>22.81</b>
<b>Barrers (including tackers) female:</b>									
Illinois.....	5	12	5.8	49.6	49.3	99	.417	20.68	20.54
Maine.....	3	4	5.0	54.0	41.4	77	.402	21.71	16.62
Maryland and Virginia.....	3	3	5.3	50.2	44.0	88	.397	19.93	17.48

Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
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FITTING OR STITCHING DEPARTMENT—Continued

<b>Barrers, female—Continued.</b>									
Massachusetts.....	5	8	6.0	48.0	47.8	100	\$0.487	\$23.38	\$23.28
Missouri.....	3	5	5.8	50.8	47.6	94	.250	12.70	11.87
New Hampshire.....	3	3	6.0	48.7	48.3	99	.234	16.27	16.13
New Jersey.....	2	2	5.5	47.0	48.0	91	.509	23.92	21.88
New York.....	7	10	4.8	48.0	38.0	79	.448	21.50	17.04
Ohio.....	2	2	5.5	50.0	46.5	93	.251	12.55	11.69
Pennsylvania.....	4	5	5.4	50.8	48.0	94	.303	15.39	14.54
Wisconsin.....	2	3	5.3	48.7	45.6	94	.356	17.34	16.24
<b>Total.....</b>	<b>39</b>	<b>57</b>	<b>5.5</b>	<b>49.5</b>	<b>45.4</b>	<b>92</b>	<b>.393</b>	<b>19.45</b>	<b>17.87</b>
<b>Tongue stitchers, female:</b>									
Illinois.....	4	13	5.6	49.2	46.2	94	.411	20.22	18.99
Maine.....	2	13	5.8	50.0	47.9	96	.419	20.95	20.09
Maryland and Virginia.....	3	6	5.5	49.3	46.9	95	.353	17.40	16.57
Massachusetts.....	14	46	5.8	48.0	44.9	94	.460	22.08	20.66
Michigan.....	3	3	5.0	49.3	41.7	85	.353	16.42	13.88
Minnesota.....	3	4	6.0	49.1	50.3	102	.314	15.42	15.76
Missouri.....	3	22	5.5	51.1	45.7	89	.271	13.95	12.40
New Hampshire.....	6	10	5.6	48.4	48.5	100	.397	19.21	19.22
New Jersey.....	2	7	6.0	47.4	46.7	99	.421	19.96	19.68
New York.....	9	37	5.4	48.2	42.6	88	.367	17.69	15.67
Ohio.....	3	13	5.6	49.2	44.6	91	.315	15.50	14.05
Pennsylvania.....	6	12	5.5	51.3	48.1	94	.337	17.29	16.19
Wisconsin.....	7	17	5.4	49.1	44.9	91	.434	21.31	19.46
<b>Total.....</b>	<b>65</b>	<b>203</b>	<b>5.6</b>	<b>49.0</b>	<b>45.4</b>	<b>93</b>	<b>.386</b>	<b>18.91</b>	<b>17.50</b>
<b>Fancy stitchers, male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	2	10	5.7	50.5	48.1	95	.515	26.01	24.76
Massachusetts.....	9	65	5.8	48.1	48.4	101	.717	34.49	34.71
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	5	41	5.5	44.6	43.8	98	.978	43.62	42.84
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
<b>Total.....</b>	<b>20</b>	<b>135</b>	<b>5.7</b>	<b>47.2</b>	<b>46.7</b>	<b>99</b>	<b>.778</b>	<b>36.72</b>	<b>36.35</b>
<b>Fancy stitchers, female:</b>									
Illinois.....	8	217	5.7	50.6	47.2	93	.361	18.27	17.04
Maine.....	6	198	5.3	53.6	44.9	84	.416	22.30	18.66
Maryland and Virginia.....	6	94	5.6	48.8	47.9	98	.286	13.96	13.69
Massachusetts.....	35	578	5.3	47.9	40.8	85	.543	26.01	22.14
Michigan.....	4	7	5.7	49.7	47.1	95	.364	18.09	17.15
Minnesota.....	3	24	5.8	49.1	49.8	101	.303	14.88	15.08
Missouri.....	6	318	5.6	49.3	45.5	92	.325	16.02	14.79
New Hampshire.....	9	244	5.3	49.2	42.0	85	.392	19.29	16.48
New Jersey.....	4	18	5.3	49.4	42.6	86	.476	23.51	20.29
New York.....	17	442	5.5	48.7	44.7	92	.449	21.87	20.07
Ohio.....	7	194	5.2	49.9	42.5	85	.391	19.51	16.63
Pennsylvania.....	8	98	5.3	50.9	44.6	88	.369	18.78	16.44
Wisconsin.....	11	102	5.2	48.5	40.0	82	.491	23.81	19.67
<b>Total.....</b>	<b>124</b>	<b>2,534</b>	<b>5.4</b>	<b>49.4</b>	<b>43.7</b>	<b>88</b>	<b>.423</b>	<b>20.90</b>	<b>18.45</b>
<b>Back-stay stitchers (including back strappers), female:</b>									
Illinois.....	5	20	5.7	48.4	47.4	98	.609	29.48	28.89
Maine.....	3	12	6.0	50.3	49.9	99	.487	24.50	24.32
Maryland and Virginia.....	4	9	5.8	49.3	50.1	102	.315	15.68	15.94
Massachusetts.....	13	42	5.7	48.0	42.6	89	.477	22.90	20.33
Michigan.....	4	5	5.6	49.6	47.6	96	.413	20.48	19.65
Minnesota.....	3	4	6.0	50.8	52.0	102	.349	17.73	18.16
Missouri.....	6	37	5.9	50.6	47.9	95	.312	15.79	14.92
New Hampshire.....	3	13	5.5	48.5	47.3	98	.370	17.95	17.50
New Jersey.....	4	7	5.3	48.1	35.7	74	.498	23.95	17.77

Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>									
<b>Back-stay stitchers, female—Con.</b>									
New York	10	57	5.5	48.8	44.1	90	\$0.407	\$19.86	\$18.04
Ohio	5	14	5.4	50.0	43.4	87	.372	18.60	16.13
Pennsylvania	7	18	5.5	50.1	46.2	92	.382	19.14	17.63
Wisconsin	10	41	5.2	48.9	43.3	89	.435	21.27	18.82
Total	77	279	5.6	49.1	45.2	92	.419	20.57	18.04
<b>Table workers, female:</b>									
Illinois	3	21	5.2	48.0	42.2	88	.364	17.47	15.36
Maine	3	18	5.6	54.0	46.9	87	.240	12.96	11.23
Maryland and Virginia	2	6	4.8	50.3	40.1	80	.237	11.92	9.52
Massachusetts	32	269	5.3	47.9	42.0	88	.354	16.96	14.88
Michigan	3	5	5.0	49.6	43.6	89	.220	10.91	9.62
Minnesota	4	34	5.3	50.4	45.2	90	.230	11.59	10.38
Missouri	3	19	5.1	48.0	40.0	83	.258	12.38	10.30
New Hampshire	2	5	5.2	49.2	36.3	74	.228	11.22	8.28
New Jersey	4	29	5.5	48.5	45.4	94	.280	13.58	12.71
New York	15	160	5.4	47.1	42.9	91	.339	15.97	14.55
Ohio	3	11	4.7	49.0	37.6	77	.258	12.64	9.71
Pennsylvania	6	45	4.8	49.5	41.5	84	.244	12.08	10.14
Wisconsin	8	50	5.6	49.5	45.6	92	.289	14.31	13.17
Total	88	672	5.3	48.3	42.7	88	.318	15.36	13.60
<b>Lacers (before lasting), male:</b>									
Maine	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts	2	2	5.5	48.0	45.6	95	.431	20.69	19.66
Missouri	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total	6	6	5.7	49.7	47.9	96	.428	21.27	20.48
<b>Lacers (before lasting), female:</b>									
Illinois	7	14	5.7	50.6	47.7	94	.404	20.44	19.27
Maine	3	5	6.0	52.4	51.7	99	.323	16.93	16.73
Maryland and Virginia	4	5	5.6	49.4	45.1	91	.317	15.66	14.28
Massachusetts	15	22	5.7	48.0	45.4	95	.430	20.64	19.55
Michigan	3	3	5.3	49.3	46.3	94	.314	15.48	14.51
Minnesota	3	3	6.0	50.2	51.7	103	.354	17.77	18.29
Missouri	7	18	5.7	50.1	47.4	95	.298	14.93	14.10
New Hampshire	7	9	5.3	49.4	41.7	84	.362	17.88	15.09
New Jersey	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York	12	19	5.4	47.8	43.8	92	.408	19.60	17.89
Ohio	6	9	5.2	50.0	39.9	80	.317	15.85	12.66
Pennsylvania	6	8	5.3	50.4	47.2	94	.324	16.33	15.26
Wisconsin	9	12	5.6	49.0	46.3	94	.417	20.43	19.33
Total	83	128	5.6	49.3	45.6	92	.373	18.39	16.98
<b>LASTING DEPARTMENT</b>									
<b>Last pickers, or sorters (including last casers), male:</b>									
Illinois	5	19	5.7	50.2	48.7	97	\$0.447	\$22.43	\$21.78
Maine	5	25	5.7	53.2	49.1	92	.359	19.03	17.62
Maryland and Virginia	6	16	5.0	49.3	41.4	84	.374	18.44	15.49
Massachusetts	24	53	5.8	48.0	46.7	97	.530	25.44	24.71
Michigan	2	2	6.0	49.0	49.0	100	.553	27.10	27.10
Minnesota	4	5	6.0	50.2	50.0	100	.458	22.99	22.90
Missouri	6	20	6.0	50.4	49.2	98	.419	21.12	20.60
New Hampshire	6	10	5.3	49.1	45.0	92	.540	26.51	24.29
New Jersey	4	5	5.2	48.1	44.4	92	.504	24.24	22.36
New York	18	45	5.7	47.5	45.4	96	.556	26.41	25.21
Ohio	7	15	5.3	49.9	45.1	90	.505	25.20	22.79
Pennsylvania	8	17	5.5	49.3	47.2	96	.392	19.33	18.49
Wisconsin	10	13	5.8	49.0	47.8	98	.509	24.94	24.38
Total	105	245	5.7	49.3	46.7	95	.477	23.52	22.26

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>LASTING DEPARTMENT—Continued</b>									
<b>Assemblers, for pulling-over machine, male:</b>									
Illinois.....	8	55	5.8	49.6	46.8	94	\$0.572	\$28.37	\$26.78
Maine.....	6	23	5.5	52.8	41.8	79	.531	28.04	22.21
Maryland and Virginia.....	7	28	5.4	49.0	45.6	93	.460	22.54	20.99
Massachusetts.....	28	132	5.4	48.2	41.2	85	.647	31.19	26.62
Michigan.....	3	3	5.7	50.0	46.5	93	.490	24.60	22.79
Minnesota.....	4	5	5.8	50.2	48.0	96	.661	33.18	31.72
Missouri.....	7	74	5.8	50.2	46.8	93	.477	23.95	22.33
New Hampshire.....	9	28	5.7	49.6	43.6	88	.582	28.87	25.39
New Jersey.....	4	19	5.4	46.3	43.8	95	.499	23.10	21.87
New York.....	16	92	5.4	47.5	42.0	88	.643	30.54	27.01
Ohio.....	7	30	4.7	49.9	36.0	70	.640	31.94	22.41
Pennsylvania.....	6	17	5.5	51.1	45.0	88	.498	25.45	22.38
Wisconsin.....	11	31	5.3	49.4	44.3	90	.560	27.17	24.39
Total.....	116	537	5.5	49.0	43.2	88	.577	28.27	24.92
<b>Assemblers, for pulling-over machine, female:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	4	4	5.5	48.0	46.2	96	.748	35.90	34.56
New Hampshire.....	2	3	5.7	51.7	42.3	82	.416	21.61	17.60
New York.....	2	17	5.6	50.0	43.6	87	.445	22.25	19.42
Total.....	10	26	5.6	49.9	44.3	89	.501	25.00	22.19
<b>Pullers-over, hand, male:</b>									
Illinois.....	2	3	6.0	48.0	49.7	104	.898	43.10	44.61
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	2	11	5.5	47.7	45.3	95	.610	29.10	27.63
Minnesota.....	2	3	6.0	48.0	47.0	98	.611	29.33	28.73
New York.....	3	8	5.3	48.8	41.8	86	.795	38.80	33.26
Ohio.....	2	4	4.5	50.0	31.3	63	.695	34.75	21.72
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	13	32	5.3	48.4	42.4	88	.710	34.36	30.13
<b>Pullers-over, machine, male:</b>									
Illinois.....	8	47	5.7	49.5	46.4	94	.795	39.35	36.90
Maine.....	6	32	5.6	53.0	45.2	85	.584	30.95	26.39
Maryland and Virginia.....	7	25	5.3	48.8	45.5	93	.618	30.16	28.09
Massachusetts.....	31	126	5.6	47.9	44.1	92	.822	39.37	36.20
Michigan.....	3	4	5.5	50.0	46.1	92	.601	30.05	27.71
Minnesota.....	4	5	5.8	50.2	48.4	96	.777	39.01	37.61
Missouri.....	7	68	5.9	50.2	47.4	94	.634	31.83	30.08
New Hampshire.....	9	36	5.4	49.4	41.9	85	.711	35.12	29.82
New Jersey.....	4	9	5.6	48.2	44.8	93	.776	37.40	34.80
New York.....	17	101	5.4	48.2	42.6	88	.763	36.78	32.50
Ohio.....	7	39	4.5	49.9	34.3	69	.813	40.57	27.87
Pennsylvania.....	6	14	5.6	51.1	46.1	90	.632	32.30	29.16
Wisconsin.....	11	31	5.3	49.4	43.9	89	.779	38.48	34.21
Total.....	120	537	5.5	49.2	43.8	89	.740	36.41	32.42
<b>Side lasters, hand, male:</b>									
Illinois.....	2	3	6.0	48.0	52.3	109	.714	34.27	37.34
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	8	31	6.0	48.4	46.4	96	.669	32.38	31.02
Missouri.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey.....	3	5	6.0	46.4	50.7	109	.660	30.62	33.47
New York.....	8	40	5.7	47.7	44.1	92	.793	37.83	34.95
Ohio.....	2	11	5.4	50.0	48.1	96	.629	31.45	30.28
Pennsylvania.....	2	13	5.8	48.0	40.9	85	.517	24.82	21.14
Wisconsin.....	3	18	5.3	48.3	44.6	92	.698	33.71	31.16
Total.....	31	128	5.8	48.2	45.3	94	.690	33.26	31.23

1 Data included in total

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>LASTING DEPARTMENT—Continued</b>									
<b>Side lasters, machine, male:</b>									
Illinois.....	7	90	5.7	49.6	45.9	93	\$0.670	\$33.23	\$30.76
Maine.....	6	37	5.8	53.2	46.2	87	.590	31.39	27.28
Maryland and Virginia.....	7	34	5.2	49.0	43.9	90	.536	26.26	23.52
Massachusetts.....	28	191	5.7	48.1	44.3	92	.721	34.68	31.92
Michigan.....	3	4	5.8	50.0	48.2	96	.527	26.35	25.38
Minnesota.....	4	7	5.9	50.2	49.0	98	.649	32.58	31.78
Missouri.....	7	75	5.9	50.0	48.6	97	.621	31.05	30.23
New Hampshire.....	8	40	5.7	49.2	46.9	95	.645	31.73	30.27
New Jersey.....	2	5	6.0	46.4	50.9	110	.617	28.63	31.42
New York.....	10	94	5.2	48.6	41.6	86	.662	32.17	27.58
Ohio.....	7	35	4.9	49.9	37.2	75	.691	34.48	25.75
Pennsylvania.....	6	22	5.6	51.2	47.3	92	.529	27.08	25.04
Wisconsin.....	9	26	5.3	50.0	44.7	89	.726	36.30	32.44
Total.....	104	660	5.6	49.3	44.7	91	.661	32.59	29.58
<b>Bed-machine operators, male:</b>									
Illinois.....	7	131	5.8	49.7	47.6	96	.675	33.55	32.14
Maine.....	6	61	5.7	52.7	45.4	86	.576	30.36	26.16
Maryland and Virginia.....	6	49	5.6	48.6	46.7	96	.558	27.12	26.07
Massachusetts.....	29	291	5.7	48.1	43.5	90	.731	35.16	31.80
Michigan.....	4	8	5.6	49.5	49.2	99	.699	34.60	34.38
Minnesota.....	4	9	6.0	49.7	50.3	101	.678	33.70	34.12
Missouri.....	7	167	5.8	50.3	47.9	95	.612	30.78	29.35
New Hampshire.....	9	82	5.4	49.5	43.4	88	.655	32.42	28.45
New Jersey.....	3	16	5.5	45.5	46.0	101	.758	34.49	34.86
New York.....	16	221	5.5	48.2	44.3	92	.714	34.41	31.59
Ohio.....	7	72	4.9	49.9	39.1	78	.749	37.38	29.27
Pennsylvania.....	8	35	5.4	50.7	47.3	93	.639	32.40	30.25
Wisconsin.....	11	75	5.3	49.7	45.6	92	.725	36.03	33.12
Total.....	117	1,207	5.6	49.2	45.0	91	.682	33.55	30.69
<b>Hand-method lasting machine operators, male:</b>									
Massachusetts.....	5	49	5.8	48.2	47.7	99	.995	47.96	47.44
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Ohio.....	2	11	5.1	50.0	36.7	73	.626	31.30	22.99
Total.....	9	101	5.7	47.2	44.7	95	.856	40.40	38.24
<b>Turn lasters, hand (including first and second lasters), male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	2	9	5.2	50.5	43.1	85	.895	45.20	38.60
Massachusetts.....	9	320	5.1	48.2	41.1	85	.836	40.30	34.39
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey.....	2	20	4.9	50.8	40.8	80	.607	30.84	24.76
New York.....	9	167	5.7	46.4	48.4	104	.899	41.71	43.49
Ohio.....	3	37	4.9	49.6	34.5	70	.670	33.23	23.12
Pennsylvania.....	3	127	4.9	48.0	49.3	102	.833	39.98	41.01
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	31	706	5.2	47.9	44.1	92	.831	39.80	36.67
<b>Turn lasters, machine, male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	3	60	5.6	52.0	48.7	94	.575	29.90	28.00
<b>Turn sewers, male:</b>									
Illinois.....	2	6	5.3	51.0	45.7	90	.502	25.60	22.95
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	7	16	5.1	48.1	41.8	87	1.012	48.68	42.33

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>LASTING DEPARTMENT—Continued</b>									
Turn sewers, male—Continued.									
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey.....	2	4	5.3	51.9	44.5	86	\$0.693	\$35.97	\$30.83
New York.....	7	12	5.6	47.3	40.8	86	1.255	59.36	51.17
Ohio.....	3	3	5.3	49.8	39.9	80	.762	37.95	30.44
Pennsylvania.....	3	9	5.0	48.0	40.8	85	1.150	55.20	46.86
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	28	66	5.4	49.6	43.7	88	.873	43.30	38.13
Tack pullers, hand and machine, male:									
Illinois.....	6	22	5.8	49.3	46.9	95	.449	22.14	21.07
Maine.....	5	25	5.4	53.5	45.2	84	.359	19.21	16.23
Maryland and Virginia.....	6	12	5.5	49.2	44.3	90	.426	20.96	18.85
Massachusetts.....	20	70	5.8	48.2	44.4	92	.487	23.47	21.60
Minnesota.....	2	5	6.0	51.5	51.9	101	.373	19.21	19.33
Missouri.....	6	16	5.8	50.6	46.9	93	.335	16.95	15.69
New Hampshire.....	7	22	5.6	49.1	44.7	91	.390	19.15	17.45
New Jersey.....	4	6	5.5	48.8	36.6	75	.487	23.77	17.82
New York.....	16	64	5.2	47.8	40.9	86	.500	23.90	20.47
Ohio.....	6	13	5.4	49.9	41.5	83	.446	22.26	18.45
Pennsylvania.....	7	14	5.2	49.4	40.5	82	.422	20.85	17.07
Wisconsin.....	10	15	5.2	49.5	44.2	89	.483	23.91	21.38
Total.....	95	284	5.5	49.2	43.7	89	.448	22.04	19.56
<b>BOTTOMING DEPARTMENT</b>									
Goodyear welters, (including in-seamers) male:									
Illinois.....	4	19	5.7	49.7	45.8	94	\$1.143	\$55.66	\$52.35
Maine.....	5	13	5.5	52.3	43.5	83	.845	44.19	36.80
Maryland and Virginia.....	4	14	5.6	48.5	44.9	93	.746	36.18	33.46
Massachusetts.....	15	73	5.8	48.0	41.7	87	1.002	48.10	41.78
Michigan.....	4	4	5.8	49.5	47.9	97	.834	41.28	39.93
Minnesota.....	4	6	6.0	49.8	50.3	101	.702	34.96	35.34
Missouri.....	3	19	5.8	52.0	45.7	88	.844	43.89	38.57
New Hampshire.....	5	21	5.9	48.5	46.9	97	.921	44.67	43.18
New Jersey.....	3	7	5.9	46.6	49.2	106	.840	39.14	41.32
New York.....	15	86	5.5	48.4	43.0	89	.874	42.30	37.62
Ohio.....	6	26	5.5	49.9	41.3	83	.868	43.31	35.88
Pennsylvania.....	8	17	5.4	50.9	40.9	80	.728	37.06	29.80
Wisconsin.....	10	23	5.5	49.9	46.3	93	.747	37.28	34.61
Total.....	86	328	5.6	49.1	43.7	89	.890	43.61	38.91
Welt beaters and slashers, male:									
Illinois.....	3	6	5.7	49.2	45.3	92	.578	28.44	26.18
Maine.....	4	23	6.0	53.7	53.0	99	.387	20.78	20.52
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	-----	-----	-----
Massachusetts.....	8	15	5.7	48.0	43.9	91	.603	28.94	26.50
Michigan.....	1	(1)	(1)	(1)	(1)	-----	-----	-----	-----
Minnesota.....	2	2	6.0	50.3	49.5	98	.437	21.98	21.64
Missouri.....	4	11	6.0	50.7	48.9	96	.435	22.05	21.24
New Hampshire.....	5	6	5.0	48.3	39.2	81	.561	27.10	22.00
New Jersey.....	2	2	6.0	47.0	54.0	115	.637	29.94	34.41
New York.....	13	23	5.4	48.0	43.5	91	.578	27.74	25.15
Ohio.....	5	7	5.4	49.9	42.1	84	.529	26.40	22.28
Pennsylvania.....	8	11	5.5	50.0	45.7	91	.542	27.10	24.75
Wisconsin.....	7	9	5.4	49.6	45.7	92	.502	24.90	22.93
Total.....	63	118	5.6	49.9	46.5	93	.508	25.35	23.59

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>BOTTOMING DEPARTMENT—Continued</b>									
<b>Bottom fillers, hand and machine, male:</b>									
Illinois.....	5	11	5.8	49.5	47.7	96	\$0.553	\$27.37	\$26.41
Maine.....	5	8	5.8	53.1	50.5	95	.411	21.82	20.73
Maryland and Virginia.....	4	7	5.7	48.6	46.1	95	.465	22.60	21.45
Massachusetts.....	16	25	5.8	48.1	45.2	94	.575	27.66	25.98
Michigan.....	2	2	5.5	50.0	48.2	96	.453	22.65	21.82
Minnesota.....	4	4	6.0	49.6	51.3	103	.392	19.44	20.09
Missouri.....	4	7	6.0	51.1	49.7	97	.489	24.99	24.31
New Hampshire.....	4	8	5.6	48.5	46.7	96	.576	27.94	26.86
New Jersey.....	3	4	6.0	45.5	44.0	97	.615	27.98	27.04
New York.....	13	30	5.4	48.5	43.6	90	.551	26.72	24.04
Ohio.....	6	13	5.6	49.9	43.4	87	.470	23.45	20.43
Pennsylvania.....	7	11	5.4	50.8	42.1	83	.386	19.61	16.27
Wisconsin.....	8	9	5.8	50.3	50.0	99	.493	24.80	24.63
Total.....	81	139	5.7	49.3	45.8	93	.512	25.24	23.46
<b>Sole cementers, hand and machine (including bottom cementers), male:</b>									
Illinois.....	2	3	6.0	48.0	49.0	102	.451	21.65	22.10
Maine.....	3	4	6.0	51.0	49.6	97	.480	24.48	23.80
Maryland and Virginia.....	4	7	5.6	48.7	47.3	97	.430	20.94	20.32
Massachusetts.....	10	18	5.7	48.1	44.1	92	.454	21.84	20.00
Michigan.....	2	2	6.0	49.0	43.9	100	.583	28.57	28.53
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	5	10	5.5	49.8	45.6	92	.390	19.42	17.81
New Hampshire.....	6	10	5.5	48.4	44.7	92	.407	19.70	18.18
New Jersey.....	3	3	5.7	46.0	42.5	92	.551	25.35	23.41
New York.....	9	26	5.6	48.9	45.8	94	.444	21.71	20.34
Ohio.....	4	8	5.0	49.9	39.9	80	.371	18.61	14.80
Pennsylvania.....	5	7	5.3	50.6	44.6	88	.322	16.29	14.39
Wisconsin.....	7	11	5.5	50.3	45.2	90	.388	19.52	17.53
Total.....	61	110	5.6	49.1	45.2	92	.425	20.87	19.20
<b>Sole cementers, hand and machine (including bottom cementers), female:</b>									
Missouri.....	2	5	5.2	52.4	42.2	81	.307	16.09	12.94
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	5	9	5.4	50.8	43.9	86	.342	17.37	15.04
<b>Sole layers, hand and machine, male:</b>									
Illinois.....	5	15	5.6	49.1	46.2	94	.688	33.78	31.80
Maine.....	4	10	6.0	53.3	47.1	88	.622	33.15	29.32
Maryland and Virginia.....	7	17	5.0	49.4	41.4	84	.515	25.44	21.31
Massachusetts.....	33	71	5.7	48.2	43.8	91	.725	34.95	31.73
Michigan.....	2	2	6.0	49.0	49.0	100	.782	38.32	38.32
Minnesota.....	3	3	5.7	50.2	46.6	93	.651	32.68	30.35
Missouri.....	6	12	5.7	50.0	45.8	92	.506	25.30	23.19
New Hampshire.....	8	17	5.6	49.2	43.6	89	.571	28.09	24.93
New Jersey.....	3	3	6.0	46.0	43.8	106	.759	34.91	37.03
New York.....	17	43	5.5	48.0	43.8	91	.680	32.64	29.82
Ohio.....	7	20	5.1	50.0	40.0	80	.710	35.50	27.66
Pennsylvania.....	8	11	5.2	50.4	42.8	85	.524	26.41	22.42
Wisconsin.....	10	13	5.5	49.4	45.9	93	.615	30.38	28.22
Total.....	113	237	5.5	49.0	43.8	89	.656	32.14	28.76

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour and per cent of full time worked, 1923, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours worked in week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>BOTTOMING DEPARTMENT—Continued</b>									
<b>Rough rounders, male:</b>									
Illinois.....	4	16	5.7	48.4	44.4	92	\$1.139	\$55.13	\$50.58
Maine.....	5	10	6.0	51.7	43.9	85	.695	35.93	30.49
Maryland and Virginia.....	4	12	5.7	48.6	44.7	92	.664	32.27	29.70
Massachusetts.....	16	42	5.8	48.0	41.7	87	.877	42.10	36.52
Michigan.....	2	2	4.0	49.0	30.6	62	.651	31.90	19.92
Minnesota.....	4	4	6.0	49.6	48.6	98	.724	35.91	35.19
Missouri.....	2	7	6.0	49.1	48.2	98	.679	33.34	32.71
New Hampshire.....	5	14	5.9	48.4	45.6	94	.765	37.03	34.84
New Jersey.....	3	5	5.8	45.2	39.9	88	1.129	51.03	45.05
New York.....	16	65	5.3	48.1	42.3	88	.821	39.49	34.69
Ohio.....	6	18	5.4	49.9	39.3	79	.769	38.37	30.25
Pennsylvania.....	8	11	5.4	50.0	42.9	86	.710	35.50	30.50
Wisconsin.....	9	20	5.2	50.1	44.0	88	.702	35.17	30.85
Total.....	84	226	5.6	48.7	42.8	88	.815	39.69	34.86
<b>Channel openers, and channel closers (including channel layers, channel turners, channel cementers, and lip turners), male:</b>									
Illinois.....	6	28	5.9	49.8	48.0	96	.571	28.44	27.39
Maine.....	5	19	5.3	53.3	43.3	81	.463	24.68	20.03
Maryland and Virginia.....	6	21	5.7	48.6	47.7	98	.523	25.42	24.92
Massachusetts.....	23	58	5.6	47.9	43.1	90	.589	28.21	25.39
Minnesota.....	2	3	6.0	48.7	49.3	101	.373	18.17	18.41
Missouri.....	7	36	5.8	50.6	48.3	95	.408	20.64	19.67
New Hampshire.....	6	22	5.4	49.1	43.9	89	.488	23.96	21.39
New Jersey.....	2	3	5.7	46.0	42.5	92	.664	30.54	28.24
New York.....	14	51	5.5	48.7	44.0	90	.514	25.03	22.63
Ohio.....	7	21	5.5	50.0	44.3	89	.546	27.30	24.16
Pennsylvania.....	7	16	5.2	50.1	42.2	84	.463	23.20	19.52
Wisconsin.....	7	9	5.4	49.0	46.1	94	.425	20.83	19.59
Total.....	92	287	5.6	49.4	45.0	91	.512	25.29	23.04
<b>Channel openers, and channel closers (including channel layers, channel turners, channel cementers, and lip turners), female:</b>									
Illinois.....	4	7	5.6	50.0	47.4	95	.388	19.40	18.39
Massachusetts.....	3	4	4.5	48.0	43.7	91	.505	24.24	22.09
Missouri.....	2	5	5.8	49.6	47.3	95	.247	12.25	11.68
New Hampshire.....	4	9	5.9	48.5	47.1	97	.390	18.92	18.37
New York.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	2	6	5.5	49.0	46.6	95	.343	16.81	15.97
Total.....	16	43	5.6	48.8	45.9	94	.417	20.35	19.13
<b>Goodyear stitchers, male:</b>									
Illinois.....	4	33	5.8	48.4	45.7	94	.986	47.72	45.06
Maine.....	4	16	6.0	51.3	45.2	88	.679	34.83	30.70
Maryland and Virginia.....	6	23	5.9	48.8	49.4	101	.688	33.67	33.97
Massachusetts.....	16	109	5.8	48.0	42.9	89	.762	36.58	32.70
Michigan.....	4	7	5.3	49.7	45.8	92	.694	34.49	31.78
Minnesota.....	4	5	6.0	49.7	49.7	100	.800	39.76	39.76
Missouri.....	4	33	5.9	51.5	48.7	95	.666	34.30	32.40
New Hampshire.....	5	35	5.8	48.5	46.0	95	.711	34.48	32.71
New Jersey.....	3	7	5.9	46.6	49.2	106	.882	41.10	43.37
New York.....	15	114	5.4	48.3	43.2	89	.800	38.64	34.52
Ohio.....	6	28	5.5	49.9	41.3	83	.794	39.62	32.83
Pennsylvania.....	8	22	5.4	51.0	43.1	85	.629	32.08	27.10
Wisconsin.....	10	29	5.4	49.8	46.0	92	.755	37.60	34.75
Total.....	89	461	5.6	48.9	44.5	91	.766	37.46	34.10

1 Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average actual hours worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>BOTTOMING DEPARTMENT—Continued</b>									
<b>McKay sewers, male:</b>									
Illinois	3	15	5.5	51.4	45.6	89	\$0.549	\$28.22	\$25.06
Maine	3	9	5.8	54.0	45.3	84	.663	35.80	30.02
Maryland and Virginia	2	7	5.6	48.7	46.0	94	.453	22.06	20.83
Massachusetts	21	43	5.7	46.8	42.3	90	1.058	49.51	44.79
Michigan	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri	4	29	5.8	49.7	47.9	96	.657	32.65	31.46
New Hampshire	4	11	5.5	51.6	41.7	81	.576	29.72	24.00
New York	2	6	5.0	48.0	40.8	85	.783	37.58	31.93
Ohio	4	8	4.5	50.0	36.0	72	.636	31.80	22.89
Pennsylvania	3	5	5.4	52.8	47.2	89	.566	29.36	26.25
Wisconsin	2	3	5.0	48.0	40.3	84	.945	45.36	38.07
<b>Total</b>	<b>50</b>	<b>138</b>	<b>5.5</b>	<b>49.4</b>	<b>43.9</b>	<b>89</b>	<b>.755</b>	<b>37.30</b>	<b>33.13</b>
<b>Stitch separators (including stitch wheelers), male:</b>									
Illinois	5	12	5.8	48.8	47.6	98	.590	28.79	28.10
Maine	2	4	6.0	51.0	49.3	97	.475	24.23	23.40
Maryland and Virginia	2	8	5.1	48.0	43.0	90	.415	19.92	17.84
Massachusetts	12	31	5.8	48.0	45.2	94	.597	28.66	27.00
Michigan	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota	3	3	6.0	50.2	50.5	101	.483	24.25	24.37
Missouri	3	10	5.9	52.0	48.5	93	.364	18.93	17.64
New Hampshire	5	7	5.6	48.9	44.4	91	.526	25.72	23.38
New Jersey	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York	8	18	5.4	48.8	44.3	91	.621	30.30	27.53
Ohio	3	6	5.3	50.0	43.4	87	.428	21.40	18.59
Pennsylvania	2	3	5.0	50.0	36.2	72	.471	23.55	17.05
Wisconsin	8	13	5.1	49.6	43.6	88	.545	27.03	23.76
<b>Total</b>	<b>55</b>	<b>117</b>	<b>5.6</b>	<b>49.1</b>	<b>45.2</b>	<b>92</b>	<b>.533</b>	<b>26.17</b>	<b>24.09</b>
<b>Levelers, male:</b>									
Illinois	7	28	5.6	49.8	46.7	94	.596	29.68	27.81
Maine	6	15	5.9	53.5	48.3	90	.614	32.85	29.65
Maryland and Virginia	7	16	5.7	49.2	49.7	101	.566	27.85	28.12
Massachusetts	32	65	5.7	48.1	44.0	91	.734	35.31	32.31
Michigan	3	3	6.0	49.3	48.7	99	.712	35.10	34.64
Minnesota	4	5	6.0	49.7	49.9	100	.598	29.72	29.52
Missouri	7	25	5.9	49.9	48.4	97	.519	25.90	25.13
New Hampshire	9	15	5.4	49.7	42.3	85	.631	31.36	26.70
New Jersey	4	7	5.4	49.4	46.2	94	.701	34.63	32.40
New York	18	81	5.6	48.2	44.6	93	.696	33.55	31.05
Ohio	7	27	5.2	49.9	40.0	80	.704	35.13	28.16
Pennsylvania	7	16	5.6	51.1	46.7	91	.486	24.83	22.72
Wisconsin	11	15	5.3	49.5	45.6	92	.581	28.76	26.51
<b>Total</b>	<b>122</b>	<b>318</b>	<b>5.6</b>	<b>49.3</b>	<b>45.2</b>	<b>92</b>	<b>.648</b>	<b>31.95</b>	<b>29.30</b>
<b>Heelers, leather, male:</b>									
Illinois	5	21	5.7	48.8	46.3	95	.785	38.31	36.36
Maine	5	11	6.0	53.0	47.2	89	.658	34.87	31.06
Maryland and Virginia	6	11	5.9	49.0	51.4	105	.734	35.97	37.71
Massachusetts	14	40	5.6	48.2	40.3	84	.952	45.89	38.32
Michigan	4	4	5.5	49.5	46.3	94	.554	27.42	25.65
Minnesota	3	5	6.0	50.7	50.5	100	.493	25.50	24.92
Missouri	5	23	5.9	50.7	48.7	96	.621	31.48	30.21
New Hampshire	8	20	5.8	48.9	47.2	97	.711	34.77	33.56
New Jersey	4	7	5.6	47.3	43.1	91	.750	35.48	32.30
New York	15	62	5.3	47.8	41.7	87	.861	41.16	35.95
Ohio	6	14	5.7	49.9	44.7	90	.710	35.43	31.75
Pennsylvania	7	13	5.2	50.6	43.5	86	.577	29.20	25.07
Wisconsin	10	17	5.4	49.5	45.3	92	.713	35.29	32.29
<b>Total</b>	<b>92</b>	<b>248</b>	<b>5.6</b>	<b>49.0</b>	<b>44.4</b>	<b>91</b>	<b>.784</b>	<b>37.44</b>	<b>33.95</b>

Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1923, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>BOTTOMING DEPARTMENT—Continued</b>									
<b>Heelers, wood, male:</b>									
Illinois	3	58	5.9	51.7	49.0	95	\$0.504	\$26.06	\$24.72
Maine	3	20	5.8	54.0	45.3	84	.643	34.72	29.13
Maryland and Virginia	3	10	6.0	48.7	52.2	107	.621	30.24	32.41
Massachusetts	28	295	5.7	49.8	43.3	87	.961	47.86	41.61
Minnesota	2	7	6.0	48.3	47.2	98	.704	34.00	33.25
Missouri	4	62	5.3	48.4	42.1	87	.828	40.08	34.85
New Hampshire	6	27	5.6	50.2	46.6	93	.763	38.30	35.54
New Jersey	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-----	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
New York	16	167	5.7	47.8	44.0	92	.826	39.48	36.34
Ohio	4	82	5.6	49.9	40.6	81	.765	38.17	31.02
Pennsylvania	7	54	5.0	48.5	45.0	93	.779	37.78	35.04
Wisconsin	3	15	4.9	48.1	37.9	79	.823	39.59	31.21
Total	80	798	5.6	49.4	43.8	89	.829	40.95	36.31
<b>Heel trimmers or shavers, male:</b>									
Illinois	6	19	5.7	48.7	44.8	92	.949	46.22	42.53
Maine	5	12	6.0	52.8	47.2	89	.583	30.78	27.52
Maryland and Virginia	6	11	5.1	49.3	40.7	83	.647	31.90	26.33
Massachusetts	17	37	5.6	47.9	42.8	89	.839	40.19	35.93
Michigan	3	3	6.0	49.3	51.3	104	.607	29.93	31.17
Minnesota	3	3	6.0	49.5	48.8	99	.607	30.05	29.66
Missouri	5	19	5.9	40.5	49.3	122	.563	22.80	27.72
New Hampshire	8	14	5.5	49.4	42.7	86	.657	32.46	28.09
New Jersey	4	5	5.6	46.9	41.8	89	.894	41.93	37.38
New York	13	34	5.6	48.2	44.5	92	.717	34.56	31.87
Ohio	7	11	5.5	49.9	41.5	83	.655	32.68	27.21
Pennsylvania	7	12	5.3	51.2	44.9	88	.580	29.70	26.04
Wisconsin	10	18	5.6	49.8	47.6	96	.695	34.61	33.09
Total	94	198	5.6	49.3	44.7	91	.716	35.30	32.01
<b>Heel breasters, male:</b>									
Illinois	5	6	5.8	49.5	47.9	97	.558	27.62	26.72
Maine	4	6	6.0	52.7	47.0	89	.511	26.93	24.04
Maryland and Virginia	3	4	4.8	49.3	38.3	78	.395	19.47	15.14
Massachusetts	19	30	5.7	48.1	42.3	88	.721	34.68	30.51
Michigan	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-----	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Minnesota	2	2	6.0	51.3	50.8	99	.607	31.14	30.81
Missouri	4	8	6.0	51.3	48.8	95	.473	24.26	23.07
New Hampshire	8	11	5.6	49.4	46.1	93	.497	24.55	22.92
New Jersey	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-----	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
New York	12	28	5.6	47.2	45.3	96	.716	33.80	32.40
Ohio	4	5	5.8	49.8	44.6	90	.664	33.07	29.58
Pennsylvania	4	7	5.7	49.6	45.6	92	.442	21.92	20.17
Wisconsin	5	7	5.7	48.9	45.0	92	.555	27.14	24.97
Total	72	116	5.7	48.8	45.0	92	.618	30.16	27.77
<b>Edge trimmers, male:</b>									
Illinois	8	64	5.8	49.6	47.0	95	.766	37.99	36.02
Maine	6	41	5.7	53.0	45.5	86	.612	32.44	27.84
Maryland and Virginia	7	37	5.7	48.9	48.3	99	.568	27.78	27.43
Massachusetts	37	191	5.7	48.1	44.1	92	.875	42.09	38.60
Michigan	4	6	5.0	49.7	43.4	87	.719	35.73	31.25
Minnesota	4	6	5.8	49.8	49.2	99	.643	32.02	31.62
Missouri	7	73	5.8	50.1	47.4	95	.656	32.87	31.14
New Hampshire	9	54	5.5	49.4	43.4	88	.696	34.38	30.22
New Jersey	4	10	5.7	47.9	46.7	97	.747	35.78	34.91
New York	20	147	5.5	48.2	43.6	90	.834	40.20	36.31
Ohio	7	56	5.5	49.9	41.6	83	.720	35.93	29.98
Pennsylvania	8	29	5.4	50.3	46.3	92	.677	34.05	31.36
Wisconsin	10	40	5.4	49.5	43.4	88	.783	38.76	34.00
Total	131	764	5.6	49.1	44.7	91	.764	37.51	34.15

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>BOTTOMING DEPARTMENT—Continued</b>									
Sluggers, male:									
Illinois	4	7	5.7	50.1	46.2	92	\$0.685	\$34.32	\$31.65
Massachusetts	7	7	5.4	48.3	36.3	75	.630	30.43	22.90
Minnesota	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Hampshire	2	2	6.0	50.3	48.3	96	.475	23.89	22.60
New Jersey	3	3	5.7	46.0	43.7	95	.771	35.47	33.63
New York	8	11	5.3	48.4	38.0	79	.575	27.33	21.84
Ohio	3	5	5.6	49.9	41.8	84	.674	33.63	28.17
Pennsylvania	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Wisconsin	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total	31	39	5.5	49.1	41.8	85	.618	30.34	25.84

**FINISHING DEPARTMENT**

Buffers (including bottom scourers) male:									
Illinois	6	36	5.7	50.2	47.0	94	\$0.570	\$28.61	\$26.80
Maine	6	16	5.5	53.3	45.8	86	.577	30.75	26.44
Maryland and Virginia	7	18	5.7	48.9	48.7	100	.536	26.21	26.10
Massachusetts	38	89	5.6	48.1	44.5	93	.774	37.23	34.41
Michigan	2	2	6.0	50.0	50.0	100	.648	32.40	32.40
Minnesota	3	3	6.0	48.7	48.8	100	.716	34.37	34.94
Missouri	7	43	5.8	49.9	47.0	94	.602	30.04	28.28
New Hampshire	7	20	5.5	50.4	43.9	87	.548	27.62	24.06
New Jersey	4	8	4.8	46.9	33.2	71	.644	30.20	21.38
New York	19	59	5.8	49.9	46.1	92	.637	34.28	31.65
Ohio	7	25	5.7	49.9	41.6	83	.666	33.23	27.69
Pennsylvania	8	20	5.4	49.6	46.5	94	.533	26.44	24.77
Wisconsin	8	17	5.5	49.2	44.7	91	.632	31.09	28.25
Total	122	356	5.6	49.5	45.3	92	.651	32.22	29.47
Edge setters, male:									
Illinois	8	63	5.7	49.5	46.5	94	.745	36.88	34.62
Maine	6	44	5.7	53.3	45.7	86	.598	31.87	27.28
Maryland and Virginia	7	27	5.4	48.8	45.9	94	.697	34.01	32.00
Massachusetts	38	186	5.7	48.1	44.3	92	.869	41.80	38.48
Michigan	4	4	5.8	49.5	47.9	97	.652	32.27	31.25
Minnesota	4	10	6.0	50.0	51.3	103	.605	30.25	31.04
Missouri	7	54	5.8	50.1	45.7	91	.671	33.62	30.64
New Hampshire	9	44	5.7	49.5	44.2	89	.702	34.75	31.03
New Jersey	4	15	5.5	47.7	46.2	97	.814	38.53	37.60
New York	20	147	5.4	48.2	42.7	89	.774	37.31	33.07
Ohio	7	69	5.5	49.9	40.4	81	.723	36.08	29.20
Pennsylvania	8	38	5.5	49.9	46.2	93	.630	31.44	29.09
Wisconsin	11	37	5.2	49.1	40.8	83	.783	38.45	31.98
Total	133	738	5.6	49.1	44.1	90	.755	37.07	33.32
Heel scourers (including first and second scourers), male:									
Illinois	7	26	5.8	49.4	46.5	94	.638	31.52	29.66
Maine	5	16	5.5	53.1	44.2	83	.603	32.02	26.63
Maryland and Virginia	4	16	5.8	48.6	49.2	101	.563	27.36	27.72
Massachusetts	19	62	5.7	48.0	43.4	90	.647	31.06	28.10
Michigan	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Minnesota	3	3	6.0	49.5	49.5	100	.535	26.47	26.47
Missouri	6	37	5.8	50.4	47.7	95	.450	22.63	21.46
New Hampshire	9	31	5.5	49.3	42.4	86	.610	30.07	25.84
New Jersey	4	5	5.4	46.9	41.4	88	.736	34.52	30.45
New York	16	63	5.4	48.1	43.5	90	.611	29.39	26.57
Ohio	6	12	5.6	50.0	43.7	87	.594	29.70	25.93
Pennsylvania	7	14	5.6	50.6	46.6	92	.472	23.88	21.97
Wisconsin	10	25	5.4	49.3	46.0	93	.622	30.66	28.58
Total	97	312	5.6	49.1	44.8	91	.589	28.92	26.41

1 Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours worked per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>FINISHING DEPARTMENT—Continued</b>									
<b>Heel burnishers, (including stoners, expeditors, and heel slickers), male:</b>									
Illinois.....	4	15	5.8	48.3	46.7	97	\$0.731	\$35.31	\$34.12
Maine.....	5	14	5.4	53.2	46.2	87	.552	29.37	25.52
Maryland and Virginia.....	3	8	5.9	48.6	48.6	100	.555	26.97	26.97
Massachusetts.....	17	42	5.9	48.2	44.3	92	.674	32.49	29.89
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	4	4	6.0	49.6	49.9	101	.524	25.99	26.11
Missouri.....	5	20	6.0	50.8	49.3	97	.494	25.10	24.34
New Hampshire.....	9	16	5.6	49.8	44.0	88	.648	32.27	28.53
New Jersey.....	4	8	5.1	48.1	38.5	80	.594	28.57	22.85
New York.....	15	49	5.4	48.7	43.6	90	.534	26.01	23.29
Ohio.....	7	18	5.3	49.9	40.1	80	.569	28.39	22.83
Pennsylvania.....	7	21	5.5	49.7	49.7	100	.503	25.00	25.00
Wisconsin.....	10	20	5.4	49.5	44.3	89	.569	28.17	25.22
Total.....	91	236	5.6	49.3	45.0	91	.581	28.64	26.15
<b>Bottom finishers (including bottom slickers) male:</b>									
Illinois.....	7	28	5.8	50.4	48.3	96	.620	31.25	29.97
Maine.....	5	9	5.9	53.0	49.2	93	.532	28.20	26.17
Maryland and Virginia.....	7	17	5.5	49.5	47.1	95	.565	27.97	26.60
Massachusetts.....	33	104	5.7	48.1	44.3	92	.755	36.32	33.44
Michigan.....	3	3	5.7	49.3	48.3	98	.389	19.18	18.82
Minnesota.....	3	3	6.0	50.2	50.3	100	.539	27.06	27.13
Missouri.....	6	24	5.7	50.3	46.3	92	.525	26.41	24.29
New Hampshire.....	5	17	5.5	49.0	42.9	88	.670	32.83	28.71
New Jersey.....	2	5	6.0	46.4	48.6	105	.655	30.39	31.84
New York.....	14	57	5.4	48.0	44.1	92	.564	27.07	24.87
Ohio.....	7	16	5.3	50.0	41.0	82	.542	27.10	22.20
Pennsylvania.....	4	9	4.0	50.3	36.4	72	.417	20.98	15.17
Wisconsin.....	8	17	5.1	48.4	42.1	87	.601	29.09	25.30
Total.....	104	309	5.5	48.9	44.6	91	.632	30.90	28.19
<b>Bottom finishers (including bottom slickers), female:</b>									
Massachusetts.....	2	2	5.5	48.0	45.0	94	.553	26.54	24.88
<b>Brushers, male:</b>									
Illinois.....	7	26	5.7	50.5	47.2	93	.334	16.87	15.76
Maine.....	4	17	5.8	52.6	49.2	94	.362	19.04	17.78
Maryland and Virginia.....	4	8	5.9	48.6	48.7	100	.529	25.71	25.78
Massachusetts.....	17	40	5.6	48.1	43.3	90	.524	25.20	22.67
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	6	15	5.0	49.7	40.1	81	.333	16.55	13.34
New Hampshire.....	8	20	5.5	50.0	40.1	80	.464	23.20	18.57
New Jersey.....	3	4	4.8	45.5	35.6	78	.476	21.66	16.96
New York.....	10	32	5.6	48.6	45.7	94	.535	26.00	24.47
Ohio.....	4	5	5.6	49.9	42.5	85	.446	22.26	18.92
Pennsylvania.....	5	11	5.4	49.4	48.1	97	.447	22.08	21.49
Wisconsin.....	9	10	5.5	49.4	46.0	93	.515	25.44	23.69
Total.....	78	189	5.5	49.4	44.7	90	.454	22.43	20.28
<b>Brushers, female:</b>									
Illinois.....	3	9	5.4	48.2	46.5	96	.377	18.17	17.55
Maryland and Virginia.....	2	3	3.0	50.5	24.3	48	.175	8.84	4.25
Massachusetts.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	5	17	5.5	50.1	46.4	93	.353	17.69	16.36
New York.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	13	36	5.4	49.5	44.2	89	.336	16.63	14.86

<sup>1</sup> Data included in totals.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>FINISHING DEPARTMENT—Continued</b>									
<b>Shoe cleaners, male:</b>									
Illinois.....	2	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	1	5	5.4	60.0	43.7	87	\$0.382	\$19.10	\$16.71
Massachusetts.....	4	14	5.9	47.9	45.1	94	.662	31.71	29.90
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	3	12	5.5	49.3	45.7	93	.316	15.58	14.46
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey.....	4	11	4.5	48.3	38.7	80	.510	24.63	19.77
New York.....	16	48	5.6	47.0	45.5	97	.544	25.57	24.73
Ohio.....	3	6	5.8	49.8	41.3	83	.431	21.46	17.81
Pennsylvania.....	5	24	5.2	48.7	46.7	96	.428	20.84	19.96
Wisconsin.....	2	3	5.3	48.7	44.7	92	.501	24.40	22.41
Total.....	42	131	5.4	48.3	44.4	92	.493	23.81	21.89
<b>Shoe cleaners, female:</b>									
Illinois.....	3	17	5.9	51.4	48.6	95	.206	10.59	10.01
Maryland and Virginia.....	2	4	3.8	50.1	31.5	63	.221	11.07	6.94
Massachusetts.....	5	24	4.9	46.8	42.5	91	.479	22.42	20.36
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	2	2	6.0	51.0	48.5	95	.286	14.59	13.85
New Hampshire.....	2	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey.....	1	3	4.0	46.8	31.5	67	.303	14.18	9.54
New York.....	4	5	5.4	47.2	44.0	93	.465	21.95	20.45
Ohio.....	4	10	5.7	50.0	46.3	93	.336	16.80	15.53
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	26	77	5.4	49.0	44.8	91	.334	16.37	14.96
<b>Last pullers, hand and machine, male:</b>									
Illinois.....	8	17	5.8	50.6	46.7	92	.421	21.30	19.65
Maine.....	6	13	5.7	53.5	46.9	88	.361	19.31	16.94
Maryland and Virginia.....	5	10	5.9	48.9	51.7	106	.357	17.46	18.46
Massachusetts.....	33	63	5.7	48.1	44.7	93	.634	30.50	28.33
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	4	5	6.0	49.7	49.7	100	.464	23.06	23.06
Missouri.....	7	17	5.4	50.4	44.0	87	.406	20.46	17.87
New Hampshire.....	9	15	5.7	49.8	47.2	95	.499	24.85	23.57
New Jersey.....	4	6	5.0	47.8	41.1	86	.633	30.26	26.01
New York.....	18	39	5.5	47.6	44.5	93	.564	26.85	25.08
Ohio.....	7	14	5.4	50.0	42.4	85	.452	22.60	19.18
Pennsylvania.....	7	14	5.1	50.3	45.1	90	.354	17.81	15.95
Wisconsin.....	10	12	5.7	50.0	47.6	95	.513	25.65	24.39
Total.....	119	226	5.6	49.2	45.4	92	.510	25.09	23.15
<b>Treers, hand and machine, male:</b>									
Illinois.....	6	53	5.6	50.3	46.4	92	.513	25.80	23.79
Maine.....	6	77	5.7	53.2	48.5	91	.518	27.56	25.09
Maryland and Virginia.....	6	40	5.8	48.7	49.9	102	.483	23.52	24.11
Massachusetts.....	37	397	5.6	48.2	44.4	92	.722	34.80	32.08
Michigan.....	4	12	5.5	49.8	47.3	95	.517	25.75	24.49
Minnesota.....	3	9	5.8	48.7	46.8	96	.535	26.05	25.07
Missouri.....	6	101	5.8	50.3	47.1	94	.555	27.92	26.17
New Hampshire.....	9	90	5.6	49.7	46.0	93	.567	28.18	26.04
New Jersey.....	4	17	5.8	47.1	44.3	94	.632	29.77	28.01
New York.....	17	152	5.6	48.1	44.4	92	.685	32.95	30.45
Ohio.....	4	45	5.8	50.0	44.3	89	.468	23.40	20.74
Pennsylvania.....	8	42	5.3	49.9	47.1	94	.513	25.60	24.14
Wisconsin.....	8	37	5.3	49.9	45.3	91	.613	30.59	27.76
Total.....	118	1,072	5.6	49.2	45.6	93	.624	30.70	28.43

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>FINISHING DEPARTMENT—Continued</b>									
<b>Triers, hand and machine, female:</b>									
Illinois.....	6	62	5.4	49.6	44.5	90	\$.418	\$20.73	\$18.59
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	3	12	5.9	50.3	50.2	100	.295	14.84	14.79
Massachusetts.....	3	5	6.0	48.0	45.3	94	.656	31.49	29.73
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	2	4	6.0	51.4	51.4	100	.331	17.01	17.01
Missouri.....	3	29	5.6	48.6	45.2	93	.309	15.02	13.99
New York.....	6	40	5.6	48.9	45.3	93	.386	18.88	17.51
Ohio.....	6	39	5.4	49.9	42.0	84	.411	20.51	17.23
Wisconsin.....	5	45	5.4	48.8	41.6	85	.371	18.10	15.44
<b>Total.....</b>	<b>36</b>	<b>239</b>	<b>5.5</b>	<b>49.3</b>	<b>44.3</b>	<b>90</b>	<b>.386</b>	<b>19.03</b>	<b>17.09</b>
<b>Repairers (not cobblers) (including tip fixers and scourers), male:</b>									
Illinois.....	4	7	5.9	50.6	48.5	96	.356	18.01	17.28
Maine.....	3	4	5.5	51.0	45.0	88	.565	28.82	25.41
Maryland and Virginia.....	3	4	5.3	50.3	48.8	97	.534	26.86	26.05
Massachusetts.....	11	23	5.9	48.0	47.2	98	.571	27.41	26.97
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Hampshire.....	2	6	5.5	48.0	49.9	104	.368	17.18	17.90
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	11	43	5.7	47.5	47.6	100	.670	31.83	31.86
Ohio.....	3	12	6.0	50.0	49.5	99	.504	25.20	24.94
Pennsylvania.....	5	23	5.1	49.3	45.7	93	.517	25.49	23.62
Wisconsin.....	4	9	5.6	48.9	46.5	95	.611	29.88	28.41
<b>Total.....</b>	<b>48</b>	<b>134</b>	<b>5.6</b>	<b>48.5</b>	<b>47.4</b>	<b>98</b>	<b>.569</b>	<b>27.60</b>	<b>26.94</b>
<b>Repairers (not cobblers) (including tip fixers and scourers), female:</b>									
Illinois.....	8	126	5.7	50.4	47.3	94	.312	15.72	14.76
Maine.....	6	61	5.6	53.7	47.2	88	.348	18.42	16.20
Maryland and Virginia.....	6	41	5.1	48.8	42.0	86	.282	12.30	10.61
Massachusetts.....	38	207	5.5	47.9	43.5	91	.485	23.23	21.09
Michigan.....	2	2	5.5	50.0	48.4	97	.237	11.85	11.46
Minnesota.....	2	6	6.0	49.5	49.5	100	.305	15.10	15.10
Missouri.....	7	79	5.6	49.3	44.6	90	.300	14.79	13.39
New Hampshire.....	9	66	5.6	49.7	45.4	91	.404	20.08	18.33
New Jersey.....	2	10	4.9	51.0	43.7	86	.307	15.66	13.44
New York.....	18	102	5.2	48.5	41.9	86	.411	19.93	17.24
Ohio.....	7	51	5.5	49.9	42.8	86	.335	16.72	14.34
Pennsylvania.....	5	50	5.0	48.9	43.7	89	.342	16.72	14.94
Wisconsin.....	10	31	5.6	49.0	45.7	93	.371	18.19	16.99
<b>Total.....</b>	<b>120</b>	<b>832</b>	<b>5.5</b>	<b>49.4</b>	<b>44.4</b>	<b>90</b>	<b>.377</b>	<b>18.62</b>	<b>16.74</b>
<b>Dressers, male:</b>									
Maryland and Virginia.....	2	2	5.5	50.5	45.8	91	.421	21.26	19.24
Massachusetts.....	2	2	5.5	46.5	46.0	99	.648	30.13	29.82
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	5	11	5.3	46.7	43.2	93	.534	24.94	23.08
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	3	4	5.5	50.3	46.1	92	.490	24.65	22.55
<b>Total.....</b>	<b>16</b>	<b>24</b>	<b>5.5</b>	<b>48.5</b>	<b>45.6</b>	<b>94</b>	<b>.487</b>	<b>23.62</b>	<b>22.23</b>
<b>Dressers, female:</b>									
Illinois.....	8	45	5.6	49.4	46.2	94	.341	16.85	15.77
Maine.....	4	15	5.9	51.6	50.8	98	.346	17.85	17.60
Maryland and Virginia.....	4	8	6.0	48.5	49.5	102	.332	16.10	16.41
Massachusetts.....	15	57	5.9	48.0	46.3	96	.410	19.68	18.98
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	3	8	6.0	49.0	48.6	99	.272	13.33	13.23

<sup>1</sup> Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>FINISHING DEPARTMENT—Continued</b>									
<b>Dressers, female—Continued.</b>									
Missouri.....	7	38	5.8	50.8	48.0	94	\$0.352	\$17.88	\$16.91
New Hampshire.....	7	21	5.5	49.0	45.7	93	.466	22.83	21.30
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	9	37	5.4	48.8	43.1	88	.448	21.86	19.33
Ohio.....	7	23	5.3	49.7	40.8	82	.355	17.64	14.49
Pennsylvania.....	4	8	5.1	49.6	44.6	90	.277	13.74	12.35
Wisconsin.....	7	26	5.6	49.2	46.4	94	.344	16.92	15.97
Total.....	77	290	5.6	49.3	45.9	93	.375	18.49	17.22
<b>Sock liners (including heel-lining, heel-pad, and heel-pin pasters), male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	2	6	6.0	48.0	48.0	100	.586	28.13	28.12
Missouri.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	3	4	5.5	47.0	43.0	91	.541	25.43	23.24
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Pennsylvania.....	2	5	5.6	54.8	49.9	91	.212	11.62	10.58
Wisconsin.....	2	2	5.5	48.0	44.7	93	.617	29.62	27.53
Total.....	12	23	5.6	49.7	46.5	94	.433	21.52	20.12
<b>Sock liners (including heel-lining, heel-pad, and heel-pin pasters), female:</b>									
Illinois.....	6	19	6.0	50.5	49.5	98	.331	16.72	16.36
Maine.....	6	18	5.8	53.1	48.2	91	.360	19.12	17.37
Maryland and Virginia.....	5	11	5.0	49.3	41.3	84	.376	18.54	15.50
Massachusetts.....	31	68	5.4	47.9	41.9	87	.444	21.27	18.60
Michigan.....	3	3	5.0	49.3	41.9	85	.283	13.95	11.84
Minnesota.....	2	2	6.0	48.0	48.0	100	.328	15.74	15.74
Missouri.....	7	30	5.9	50.1	48.4	97	.303	15.18	14.65
New Hampshire.....	9	19	5.8	49.5	48.1	97	.418	20.69	20.09
New Jersey.....	3	4	5.5	49.1	45.4	92	.412	20.23	18.68
New York.....	20	66	5.4	47.8	43.2	90	.446	21.32	19.24
Ohio.....	7	19	5.6	49.9	44.1	88	.391	19.51	17.26
Pennsylvania.....	7	29	5.3	48.8	44.8	92	.308	15.03	13.79
Wisconsin.....	10	17	5.7	48.7	45.8	94	.365	17.78	16.72
Total.....	116	305	5.6	49.0	44.8	91	.389	19.06	17.39
<b>Lacers (before packing), male:</b>									
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	3	5	6.0	44.8	43.3	97	.464	20.79	20.10
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Pennsylvania.....	2	3	5.7	52.7	52.1	99	.272	14.33	14.17
Total.....	7	10	5.8	48.2	45.9	95	.378	18.22	17.36
<b>Lacers (before packing), female:</b>									
Illinois.....	7	22	5.5	49.6	46.5	94	.311	15.43	14.46
Maine.....	3	13	5.7	53.4	50.7	95	.251	13.40	12.71
Maryland and Virginia.....	4	9	6.0	48.8	50.3	103	.307	14.98	15.41
Massachusetts.....	19	42	5.9	48.0	46.3	96	.333	15.98	15.43
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	7	25	5.6	49.9	46.2	93	.307	15.32	14.17
New Hampshire.....	8	11	5.5	49.7	43.8	88	.380	18.89	16.63
New Jersey.....	4	5	5.4	46.9	40.8	87	.364	17.07	14.87
New York.....	15	35	5.4	48.4	43.4	90	.366	17.71	15.90
Ohio.....	7	10	5.4	50.0	42.3	85	.296	14.80	12.51
Pennsylvania.....	5	9	5.3	49.3	47.3	96	.220	10.85	10.39
Wisconsin.....	9	20	5.7	48.7	45.7	94	.331	16.12	15.11
Total.....	90	204	5.6	49.2	45.7	93	.320	15.74	14.64

1 Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
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**FINISHING DEPARTMENT—Continued**

<b>Packers, male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	5	8	5.4	48.0	44.7	93	\$0.492	\$23.62	\$22.00
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	3	6	5.5	48.6	46.9	97	.555	26.97	26.06
Ohio.....	2	3	5.3	50.0	43.6	87	.449	22.45	19.57
Pennsylvania.....	4	8	5.5	51.4	47.1	92	.348	17.89	16.41
Total.....	18	31	5.5	49.6	46.9	95	.443	21.97	20.77
<b>Packers, female:</b>									
Illinois.....	8	23	5.7	50.4	47.6	94	.339	17.09	16.12
Maine.....	5	10	6.0	52.8	52.7	100	.412	21.75	21.70
Maryland and Virginia.....	6	10	5.7	49.2	48.5	99	.348	17.12	16.89
Massachusetts.....	36	131	5.6	47.8	44.7	94	.458	21.89	20.48
Michigan.....	4	7	5.4	49.7	44.9	90	.313	15.56	14.06
Minnesota.....	3	4	6.0	50.1	50.0	100	.300	15.03	14.98
Missouri.....	7	27	5.9	49.7	46.9	94	.366	18.19	17.17
New Hampshire.....	8	33	5.7	49.2	45.5	92	.376	18.50	17.10
New Jersey.....	4	12	5.4	47.1	43.1	92	.368	17.33	15.89
New York.....	19	46	5.4	48.1	42.6	89	.396	19.05	16.85
Ohio.....	7	18	5.3	49.9	40.9	82	.315	15.72	12.87
Pennsylvania.....	7	36	5.2	48.8	44.4	91	.288	14.05	12.78
Wisconsin.....	11	22	5.5	48.6	44.7	92	.338	16.43	15.11
Total.....	125	379	5.6	48.7	45.0	92	.388	18.90	17.46

**ALL DEPARTMENTS**

<b>Other employees, male:</b>									
Illinois.....	9	601	5.7	49.3	47.6	97	\$0.500	\$24.65	\$23.79
Maine.....	6	479	5.7	53.2	49.9	94	.459	24.42	22.90
Maryland and Virginia.....	8	265	5.5	48.7	46.1	95	.419	20.41	19.31
Massachusetts.....	49	1,856	5.6	48.1	45.3	94	.585	28.14	26.47
Michigan.....	4	66	5.6	49.5	47.9	97	.500	24.75	23.95
Minnesota.....	4	87	5.7	50.4	48.4	96	.353	17.79	17.10
Missouri.....	11	1,629	5.7	49.2	46.9	95	.500	24.60	23.45
New Hampshire.....	10	549	5.6	49.0	46.5	95	.474	23.23	22.08
New Jersey.....	4	126	5.7	45.6	44.7	98	.593	27.04	26.52
New York.....	21	1,626	5.5	48.2	44.8	93	.527	25.40	23.62
Ohio.....	7	693	5.4	49.8	39.8	80	.488	24.30	19.45
Pennsylvania.....	12	613	5.2	50.0	44.8	89	.459	22.95	20.54
Wisconsin.....	11	408	5.4	49.1	45.0	92	.482	23.67	21.66
Total.....	156	9,070	5.6	49.0	45.6	93	.513	25.14	23.38
<b>Other employees, female:</b>									
Illinois.....	9	550	5.6	50.0	46.3	93	.318	15.90	14.72
Maine.....	6	281	5.6	53.1	47.9	90	.336	17.84	16.09
Maryland and Virginia.....	8	100	5.6	48.7	47.9	98	.311	15.15	14.88
Massachusetts.....	38	1,061	5.6	47.9	44.1	92	.434	20.79	19.14
Michigan.....	4	15	5.5	49.5	45.6	92	.266	13.17	12.10
Minnesota.....	4	39	5.7	50.8	50.0	98	.273	13.87	13.62
Missouri.....	10	700	5.7	49.4	46.3	94	.317	14.69	15.66
New Hampshire.....	10	217	5.6	49.5	45.8	93	.362	17.92	16.57
New Jersey.....	4	33	5.5	46.5	43.5	94	.440	20.46	19.13
New York.....	20	982	5.4	48.6	44.0	91	.400	19.44	17.63
Ohio.....	7	568	5.3	49.6	42.2	85	.304	15.08	12.82
Pennsylvania.....	10	311	5.1	49.3	43.7	89	.308	15.18	13.45
Wisconsin.....	11	281	5.3	48.5	43.9	91	.363	17.61	15.93
Total.....	141	5,155	5.5	49.2	44.8	91	.361	17.76	16.15

1 Data included in total.

TABLE A.—Average number of days on which employees worked, average full time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1928, by occupation, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours worked in week	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>ALL DEPARTMENTS—Continued</b>									
<b>All occupations, male:</b>									
Illinois.....	9	2,071	5.7	49.5	46.9	95	\$0.613	\$30.34	\$28.77
Maine.....	6	1,428	5.7	53.1	48.2	91	.516	27.40	24.89
Maryland and Virginia.....	8	1,033	5.5	49.0	46.4	95	.511	25.04	23.69
Massachusetts.....	50	7,096	5.6	48.1	44.3	92	.723	34.78	32.01
Michigan.....	4	198	5.6	49.6	47.5	96	.558	27.68	26.48
Minnesota.....	4	300	5.8	50.1	49.2	98	.506	25.35	24.88
Missouri.....	11	3,506	5.7	49.6	46.4	94	.549	27.23	25.48
New Hampshire.....	10	1,761	5.6	49.2	45.4	92	.575	28.29	26.10
New Jersey.....	4	467	5.5	46.8	43.9	94	.657	30.75	28.85
New York.....	21	5,388	5.5	47.9	44.4	93	.670	32.09	29.78
Ohio.....	7	1,877	5.3	49.9	40.6	81	.607	30.29	24.61
Pennsylvania.....	12	1,813	5.3	50.0	45.6	91	.542	27.10	24.73
Wisconsin.....	11	1,374	5.4	49.4	45.2	91	.597	29.49	28.99
Total.....	157	28,312	5.6	49.0	45.1	92	.625	30.63	28.14
<b>All occupations, female:</b>									
Illinois.....	9	2,052	5.6	50.1	46.6	93	.367	18.39	17.09
Maine.....	6	1,119	5.6	53.2	46.9	88	.375	19.95	17.59
Maryland and Virginia.....	8	604	5.6	48.9	47.3	97	.288	14.08	13.63
Massachusetts.....	40	4,673	5.5	47.9	42.8	89	.473	22.66	20.26
Michigan.....	4	130	5.4	49.6	45.0	91	.325	16.12	14.62
Minnesota.....	4	254	5.7	50.0	48.8	98	.303	15.15	14.80
Missouri.....	10	2,450	5.6	49.8	46.2	93	.336	16.73	15.51
New Hampshire.....	10	1,311	5.5	49.3	44.6	90	.393	19.37	17.50
New Jersey.....	4	266	5.5	47.6	42.8	90	.439	20.90	18.78
New York.....	20	3,566	5.4	48.5	43.9	91	.430	20.86	18.86
Ohio.....	7	1,574	5.3	49.8	42.4	85	.355	17.68	15.04
Pennsylvania.....	10	1,181	5.2	49.7	44.6	90	.343	17.05	15.27
Wisconsin.....	11	1,176	5.4	48.7	43.0	88	.412	20.06	17.69
Total.....	144	20,346	5.5	49.2	44.4	90	.397	19.53	17.64
<b>All occupations, male and female:</b>									
Illinois.....	9	4,123	5.7	49.8	46.7	94	.491	24.45	22.95
Maine.....	6	2,547	5.7	53.1	47.6	90	.455	24.16	21.68
Maryland and Virginia.....	8	1,637	5.5	48.9	46.7	96	.428	20.93	19.98
Massachusetts.....	50	11,769	5.5	48.1	43.7	91	.626	30.11	27.35
Michigan.....	4	328	5.5	49.6	46.5	94	.469	23.26	21.78
Minnesota.....	4	554	5.8	50.0	49.0	98	.414	20.70	20.26
Missouri.....	11	5,956	5.6	49.7	46.3	93	.462	22.96	21.38
New Hampshire.....	10	3,072	5.5	49.2	45.0	91	.498	24.50	22.43
New Jersey.....	4	733	5.5	47.1	43.5	92	.579	27.27	25.19
New York.....	21	8,944	5.5	48.1	44.2	92	.575	27.65	25.44
Ohio.....	7	3,451	5.3	49.8	41.4	83	.489	24.35	20.24
Pennsylvania.....	12	2,994	5.3	49.9	45.2	91	.465	23.20	21.00
Wisconsin.....	11	2,550	5.4	49.1	44.2	90	.514	25.24	22.70
Total.....	157	48,658	5.5	49.1	44.8	91	.530	26.02	23.75

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1928, by department, sex, and State

Occupation, sex, and State	Number of establishments	Number of wage earners	Average earnings per hour	Number of wage earners whose earnings per hour were—													
				Under 12 cents	12, under 16 cents	16, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 40 cents	40, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90, under 100 cents	100, under 120 cents	120, under 140 cents
<b>CUTTING DEPARTMENT</b>																	
<b>Cutters, vamp and whole shoe, hand, male:</b>																	
Illinois.....	6	143	\$.845				1	2	8	9	8	19	31	31	31	1	1
Maine.....	5	89	.662						14	20	20	23	6	3	3		
Maryland and Virginia.....	5	69	.570				2	10	12	15	13	11	5	1			
Massachusetts.....	38	640	.895					2	11	28	50	87	179	88	156	31	8
Michigan.....	1	(1)	(1)										(1)				
Minnesota.....	4	31	.616					1	1	7	22						
Missouri.....	3	62	.950							2	4	14	20	19	3		
New Hampshire.....	5	75	.699					2	1	12	25	19	8	7	1		
New Jersey.....	4	45	.755					2	3	10	8	5	4	4	2		
New York.....	18	267	.974					1	6	12	23	33	40	47	49	35	21
Ohio.....	4	119	.866						5	12	8	18	18	25	28	5	1
Pennsylvania.....	8	131	.597						13	30	37	17	18	7	3	3	
Wisconsin.....	9	104	.697					2	10	17	18	25	21	9	2		
Total.....	110	1,777	.824				3	35	101	179	214	261	335	237	301	80	31
<b>Skivers, upper, male:</b>																	
Illinois.....	3	7	.300			1	4	1	1	1							
Maine.....	3	4	.464					1	1	2							
Maryland and Virginia.....	3	6	.454		1			2	1	1	1						
Massachusetts.....	14	52	.674				1	1	3	13	19	4	2	8	1		
New Hampshire.....	1	(1)	(1)					(1)	(1)								
New York.....	8	24	.536					1	1	3	7	2	1	1	5	3	
Pennsylvania.....	1	(1)	(1)					(1)	(1)								
Wisconsin.....	1	(1)	(1)							(1)							
Total.....	34	98	.653		1	1	5	8	9	20	27	6	3	9	6	3	
<b>Skivers, upper, female:</b>																	
Illinois.....	8	45	.499		1	1	3	5	9	15	9	2					
Maine.....	6	18	.508				1	2	7	6	2						
Maryland and Virginia.....	3	17	.358		2	2	2	7	3		1						
Massachusetts.....	26	107	.542		1		2	11	27	299	27	7	1	1	1		
Michigan.....	4	6	.298			1	2	2	1								
Minnesota.....	4	8	.358				1	4	3								
Missouri.....	7	56	.391		2		4	5	19	8	3						

<sup>1</sup> Data included in total.

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1928, by department, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average earnings per hour	Number of wage earners whose earnings per hour were—													
				Under 12 cents	12, under 16 cents	16, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 40 cents	40, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90, under 100 cents	100, under 120 cents	120, under 140 cents
<b>CUTTING DEPARTMENT—Continued</b>																	
Skivers, upper, female—Continued.																	
New Hampshire.....	9	47	\$0.417		1		5	9	11	10	6		2				
New Jersey.....	3	12	.518					1	3	3	2		3				
New York.....	15	94	.474		1		4	8	21	24	22		1	1	3	1	1
Ohio.....	7	42	.414				2	7	12	12	3		5	.1			
Pennsylvania.....	8	37	.448		1			5	8	14	2		3		1	1	1
Wisconsin.....	10	52	.414					3	21	18	9		1				
Total.....	110	541	.458		9		19	49	126	146	102	56	19	5	5	4	1
<b>FITTING OR STITCHING DEPARTMENT</b>																	
Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), male:																	
Illinois.....	1	(1)	(1)						(1)	(1)							
Massachusetts.....	1	(1)	(1)								(1)						
New York.....	3	6	.730						1	1		1	1				2
Total.....	5	9	.636						2	2	1	1	1				2
Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), female:																	
Illinois.....	8	113	.296	1	10		27	38	21	6	10						
Maine.....	5	92	.286		12		27	17	21	10	4						
Maryland and Virginia.....	6	54	.199	8	12	11	12	4	6	1							
Massachusetts.....	35	324	.397		11		31	40	116	55	39	21	5	5	1		
Michigan.....	3	7	.286				3	2	1								
Minnesota.....	4	11	.256				3	7	1								
Missouri.....	7	134	.307		11	6	24	26	37	26	4						
New Hampshire.....	9	110	.311	1	2	8	26	18	33	14							
New Jersey.....	3	22	.499				2	1	1	4							
New York.....	18	217	.358	6	20		23	38	75	32	15	2					
Ohio.....	7	73	.328			1	12	17	27	14							
Pennsylvania.....	8	112	.292	3	16		23	23	30	14		1					
Wisconsin.....	11	49	.330				6	9	27	2	3						
Total.....	124	1,318	.330	20	94	26	219	240	396	181	93	36	7	5	1		

## Lining makers (including lining closers and side and top facing stitchers), female:

Illinois	8	131	.378		8		24	20	24	24	16	13		1	1				
Maine	6	57	.360	1	5		5	4	22	12	8								
Maryland and Virginia	5	34	.268		6		6	3	7	5									
Massachusetts	38	267	.470	2	4	1	10	7	15	63	70	55	39	10	4				
Michigan	4	4	.329		1			1	1	4	1								
Minnesota	4	14	.316		1		3	3	5	1	1								
Missouri	7	124	.296	1	8	2	25	36	39	8	3	2							
New Hampshire	9	74	.385			3	5	10	27	18	6	3		1				1	
New Jersey	4	15	.484						3	6	2	2						1	
New York	18	153	.435		2		10	19	33	46	17	12		8	3			3	
Ohio	7	59	.392						9	23	13	14		4					
Pennsylvania	8	57	.348	1	3		7	11	18	10	4	2		1					
Wisconsin	11	54	.466						13	23	14	3		1					
Total	129	1,046	.398	5	38	6	97	131	281	237	140	76	21	8	6				

## Top stitchers (including undertrimmers and barber trimmers), male:

Illinois	2	13	.912							1		1	3	1	1	6			
Maryland and Virginia	3	12	.475						4	5	2	1							
Massachusetts	12	47	.975							2	4	1	2	6	3	9	11	7	3
Missouri	2	4	.437						2	1									
New Hampshire	1									(1)	(1)	(1)							
New Jersey	1	(1)	(1)											(1)					
New York	7	32	.839							3	5	3	5	3	5	2	5	3	1
Pennsylvania	2	13	.834								1	3	3	1	1	1	4		
Total	30	132	.830						6	15	18	12	17	11	13	26	10	4	

## Top stitchers (including undertrimmers and barber trimmers), female:

Illinois	8	134	.393		2		17	27	37	20	8	14	7	1	1				
Maine	6	78	.450	1	3		5	7	18	21	9	12	1	1					
Maryland and Virginia	4	55	.263	3	7	2	13	12	13	5									
Massachusetts	38	325	.552		3		3	4	46	87	68	50	36	17	6	3	2		
Michigan	4	16	.371				2		9	2		1							
Minnesota	4	14	.351				1	2	11	1									
Missouri	7	193	.362	4	6	6	21	26	57	45	19	9							
New Hampshire	5	89	.440	1			2	6	19	33	20	6	1						1
New Jersey	3	11	.510						1	2	7								
New York	16	237	.499		1		3	13	41	81	49	28	9	6	2	3			1
Ohio	7	110	.403			1	3	12	44	31	12	6	1	1					
Pennsylvania	8	61	.453				2	7	19	19	2	3	5	1	1	2	1	2	
Wisconsin	11	76	.519					4	4	26	21	18	1	2					
Total	124	1,399	.451	9	22	9	71	121	319	373	216	148	61	28	10	8	3	1	

<sup>1</sup> Data included in total.

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1928, by department, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average earnings per hour	Number of wage earners whose earnings per hour were—													
				Under 12 cents	12, under 16 cents	16, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 40 cents	40, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90, under 100 cents	100, under 120 cents	120, under 140 cents
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>																	
<b>Vampers, male:</b>																	
Illinois.....	2	17	\$.845								2	4	2	2	3	2	2
Maine.....	4	5	.557							2	1	2					
Maryland and Virginia.....	3	8	.636								3	4	1				
Massachusetts.....	22	155	.736						5	8	25	33	49	12	5	11	3
Minnesota.....	1	(1)	(1)							(1)							
Missouri.....	1	(1)	(1)						(1)	(1)							
New Hampshire.....	4	8	.497					1	1	3		2	1				
New Jersey.....	2	5	.859										2	1	1	1	
New York.....	10	37	.743						3	9	2	5	5	4	1	6	2
Pennsylvania.....	2	15	.887								1	4	2	2	2	3	
Wisconsin.....	3	12	.643								3	5	4				
<b>Total.....</b>	<b>54</b>	<b>270</b>	<b>.727</b>					<b>1</b>	<b>12</b>	<b>27</b>	<b>37</b>	<b>59</b>	<b>66</b>	<b>21</b>	<b>12</b>	<b>23</b>	<b>7</b>
<b>Vampers, female:</b>																	
Illinois.....	8	96	.517				1	4	25	18	15	17	10	5	1		
Maine.....	5	45	.519					3	5	11	14	11		1			
Maryland and Virginia.....	6	33	.369		1		3	8	9	9	1	2					
Massachusetts.....	30	172	.628				4	13	22	39	31	34	20	8	1		
Michigan.....	4	12	.403						8	2	2						
Minnesota.....	4	18	.415						8	9	1						
Missouri.....	7	141	.406			3	6	26	41	32	23	6	4				
New Hampshire.....	9	91	.502					3	22	23	23	14	6				
New Jersey.....	4	18	.562						2	4	6	3	2	1			
New York.....	17	189	.534		1	4		1	1	20	56	52	35	14		2	2
Ohio.....	7	87	.428					2	6	36	23	12	5	3			
Pennsylvania.....	7	45	.442				1	5	13	14	8	2	1		1		
Wisconsin.....	11	75	.545						9	19	16	20	10	1			
<b>Total.....</b>	<b>119</b>	<b>1,022</b>	<b>.505</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>14</b>	<b>60</b>	<b>211</b>	<b>242</b>	<b>212</b>	<b>146</b>	<b>84</b>	<b>28</b>	<b>12</b>	<b>3</b>	<b>1</b>
<b>LASTING DEPARTMENT</b>																	
<b>Assemblers, for pulling-over machine, male:</b>																	
Illinois.....	8	55	\$.572				3		11	10	4	8	9	5	3	1	
Maine.....	6	28	.531					2	6	4	5	2	2				
Maryland and Virginia.....	7	28	.460					1	7	11	6	3					

Massachusetts	28	132	.647			1	6	13	14	17	34	21	13	4	5	4	
Michigan	3	3	.490					1	1	1							
Minnesota	4	5	.661						1	1	1	1		1			
Missouri	7	74	.477			2	6	21	25	5	4	1	4	6			
New Hampshire	9	28	.582				1	2	5	7	9	2	2				
New Jersey	4	19	.499				2	3	3	7	2	2					
New York	16	92	.643					7	16	15	19	18	8	6	3		
Ohio	7	30	.640					1	8	9		3	4	4	1		
Pennsylvania	6	17	.498				2	2	4	7	2						
Wisconsin	11	31	.550					1	7	15	6	2					
<b>Total</b>	<b>118</b>	<b>537</b>	<b>.577</b>			<b>6</b>	<b>21</b>	<b>75</b>	<b>109</b>	<b>99</b>	<b>90</b>	<b>61</b>	<b>38</b>	<b>24</b>	<b>10</b>	<b>4</b>	
<b>Assemblers, for pulling-over machine, female:</b>																	
Illinois	1	( <sup>1</sup> )	( <sup>1</sup> )						( <sup>1</sup> )								
Maine	1	( <sup>1</sup> )	( <sup>1</sup> )									( <sup>1</sup> )					
Massachusetts	4	4	.748					1		1					2		
New Hampshire	2	3	.416						1	2							
New York	2	17	.445		1		2		1	8	4	1					
<b>Total</b>	<b>10</b>	<b>26</b>	<b>.501</b>		<b>1</b>		<b>2</b>		<b>3</b>	<b>11</b>	<b>5</b>	<b>1</b>	<b>1</b>		<b>2</b>		
<b>Bed machine operators, male:</b>																	
Illinois	7	131	.675					1	11	29	19	15	9	18	20	8	1
Maine	6	61	.576						3	15	18	16	7	2			
Maryland and Virginia	6	49	.558				2	3	13	11	13	7					
Massachusetts	29	291	.731					3	16	41	90	66	37	13	16	8	1
Michigan	4	8	.699							2	4	1	1	1			
Minnesota	4	9	.678							2	5		2	2			
Missouri	7	157	.612				3	6	28	38	48	12	4	15	3		
New Hampshire	9	82	.655					3	12	20	15	18	9	3	2		
New Jersey	3	16	.758							4	3	4	1	2	1	1	
New York	16	221	.714		1			7	21	43	33	43	36	17	14	4	2
Ohio	7	72	.749						9	10	11	10	14	5	13		
Pennsylvania	8	35	.639					4	6	6	4	6	6	3			
Wisconsin	11	75	.725						1	9	12	45	4	2	2		
<b>Total</b>	<b>117</b>	<b>1,207</b>	<b>.682</b>		<b>1</b>		<b>6</b>	<b>40</b>	<b>150</b>	<b>222</b>	<b>269</b>	<b>228</b>	<b>134</b>	<b>81</b>	<b>59</b>	<b>14</b>	
<b>Turn lasters, hand (including first and second lasters), male:</b>																	
Illinois	2	( <sup>1</sup> )	( <sup>1</sup> )						( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )						
Maryland and Virginia	1	9	.895							2		1	1	4	1		
Massachusetts	9	320	.836				1	3	15	42	46	43	60	51	48	6	
Michigan	1	( <sup>1</sup> )	( <sup>1</sup> )									( <sup>1</sup> )					
New Jersey	2	20	.607					1	3	4	7	4		1			
New York	9	167	.899						1	8	11	12	27	29	24	36	13
Ohio	3	37	.670						1	2	4	12	14	3	1		
Pennsylvania	3	127	.833					4	7	20	19	19	17	12	18	4	7
Wisconsin	1	( <sup>1</sup> )	( <sup>1</sup> )							( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )				
<b>Total</b>	<b>31</b>	<b>706</b>	<b>.831</b>					<b>1</b>	<b>10</b>	<b>41</b>	<b>89</b>	<b>104</b>	<b>118</b>	<b>111</b>	<b>93</b>	<b>103</b>	<b>23</b>

<sup>1</sup> Data included in total.

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1928, by department, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average earnings per hour	Number of wage earners whose earnings per hour were—														
				Under 12 cents	12, under 16 cents	16, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 40 cents	40, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90, under 100 cents	100, under 120 cents	120, under 140 cents	140 cents and over
				<b>BOTTOMING DEPARTMENT</b>														
<b>Goodyear stitchers, male:</b>																		
Illinois.....	4	33	\$.986						1		1	2	2	3	5	16	3	
Maine.....	4	16	.679								3	7	6	3				
Maryland and Virginia.....	6	23	.688					1	2	6	4	3	3	3	1			
Massachusetts.....	16	109	.762					1	7	6	30	13	32	11	9			
Michigan.....	4	7	.694						1	1	2	2		1				
Minnesota.....	4	5	.800									3	2					
Missouri.....	4	33	.696					2	5	6	8	5	1	3	3			
New Hampshire.....	5	35	.711						1	6	10	8	7	1	2			
New Jersey.....	3	7	.882								1	2	1	1	1	1	1	
New York.....	15	114	.800					1	1	9	19	32	30	6	14	1	1	
Ohio.....	6	28	.794					2	2	1	4	3	4	7	4	1		
Pennsylvania.....	8	22	.629					3	2	7	3	4	2		1			
Wisconsin.....	10	29	.755					1		2	3	15	5	2	1			
<b>Total.....</b>	<b>89</b>	<b>461</b>	<b>.766</b>					<b>12</b>	<b>21</b>	<b>48</b>	<b>93</b>	<b>98</b>	<b>90</b>	<b>40</b>	<b>52</b>	<b>6</b>	<b>1</b>	
<b>Edge trimmers, male:</b>																		
Illinois.....	8	64	.766					2	7	17	7	4	4	4	14	5		
Maine.....	6	41	.612					3	6	12	9	7	2	2				
Maryland and Virginia.....	7	37	.568					2	9	8	15	2	1					
Massachusetts.....	37	191	.875					1	2	3	27	42	39	34	27	13	3	
Michigan.....	4	6	.719						1	1	1	1	1	1				
Minnesota.....	4	6	.643							2	2	1						
Missouri.....	7	73	.656					5	10	18	19	2	6	5	8			
New Hampshire.....	9	54	.696					1	8	8	13	12	6	1	5			
New Jersey.....	4	10	.747						1	2	2	1	1	1	1			
New York.....	20	147	.834						5	9	12	29	44	25	19	3	1	
Ohio.....	7	56	.720						2	10	20	9	6	7	2			
Pennsylvania.....	8	29	.677					1	4	4	5	11	2	1	1			
Wisconsin.....	10	40	.783						1	6	2	14	8	9				
<b>Total.....</b>	<b>131</b>	<b>764</b>	<b>.764</b>					<b>15</b>	<b>56</b>	<b>100</b>	<b>134</b>	<b>135</b>	<b>121</b>	<b>89</b>	<b>78</b>	<b>22</b>	<b>4</b>	

**FINISHING DEPARTMENT**

<b>Edge setters, male:</b>																		
Illinois	8	63	\$0.745							10	14	5	5	12	9	8		
Maine	6	44	.598							14	8	14	5	1	1	1		
Maryland and Virginia	7	27	.097							2	4	8	7	6				
Massachusetts	38	186	.899					1	5	14	18	39	23	38	26	13	7	
Michigan	4	4	.652						1	1		1	2					
Minnesota	4	10	.605							2	4		4					
Missouri	7	54	.671					2	8	9	12	4	17	2				
New Hampshire	9	44	.702	1					6	5	16	5	7	1	3			
New Jersey	4	15	.814							3	3	2	2	2	1	1		
New York	20	147	.774		1			1	4	25	29	28	24	15	14	4	2	
Ohio	7	69	.723					1	6	17	8	16	11	5	5			
Pennsylvania	8	38	.630					1	7	5	15	6	3		1			
Wisconsin	11	37	.733						2		6	17	3	7	2			
<b>Total</b>	<b>133</b>	<b>738</b>	<b>.755</b>	<b>1</b>	<b>1</b>			<b>6</b>	<b>67</b>	<b>108</b>	<b>135</b>	<b>140</b>	<b>109</b>	<b>80</b>	<b>63</b>	<b>18</b>	<b>10</b>	
<b>Treers, hand and machine, male:</b>																		
Illinois	6	53	.513				5	5	12	6	7	5	7	2	4			
Maine	6	77	.518						15	24	16	16	4	2				
Maryland and Virginia	6	40	.640			4		2		13	13	7	1					
Massachusetts	37	397	.722				1		5	28	69	101	88	52	21	19	9	4
Michigan	4	12	.517					1	1	4	2	4						
Minnesota	3	9	.535						2	6	1							
Missouri	6	101	.555	1				3	16	20	16	35	5		5			
New Hampshire	9	90	.567						5	17	38	20	7	2	1			
New Jersey	4	17	.632							4	4	1	5	2		1		
New York	17	152	.685					3	6	22	31	33	20	16	4	7	8	2
Ohio	4	45	.468						8	24	9	4						
Pennsylvania	8	42	.513					1	11	13	8	1	5	1		2		
Wisconsin	8	37	.613					1	2	4	5	15	6	4				
<b>Total</b>	<b>118</b>	<b>1,072</b>	<b>.624</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>16</b>	<b>81</b>	<b>181</b>	<b>224</b>	<b>243</b>	<b>148</b>	<b>81</b>	<b>35</b>	<b>29</b>	<b>17</b>	<b>6</b>	
<b>Treers, hand and machine, female:</b>																		
Illinois	6	62	.418	1	6			5	13	20	15	1	1					
Maine	1	( <sup>1</sup> )							( <sup>1</sup> )		( <sup>1</sup> )							
Maryland and Virginia	3	12	.295				4	3	3	2								
Massachusetts	3	5	.656								1	2	2					
Michigan	1	( <sup>1</sup> )	( <sup>1</sup> )						( <sup>1</sup> )									
Minnesota	2	4	.331					1	3									
Missouri	3	29	.309				4	10	12	3								
New York	6	40	.386				4	6	12	13	4		1					
Ohio	6	39	.411					1	23	11	4							
Wisconsin	5	45	.371					1	34	8	2							
<b>Total</b>	<b>36</b>	<b>239</b>	<b>.386</b>	<b>1</b>	<b>6</b>		<b>12</b>	<b>27</b>	<b>102</b>	<b>57</b>	<b>27</b>	<b>3</b>	<b>4</b>					

<sup>1</sup> Data included in total.

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1928, by department, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average earnings per hour	Number of wage earners whose earnings per hour were—													
				Under 12 cents	12, under 16 cents	16, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 40 cents	40, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90, under 100 cents	100, under 120 cents	120, under 140 cents
<b>FINISHING DEPARTMENT—Continued</b>																	
Repairers (not cobblers) (including tip fixers and scourers), male:																	
Illinois.....	4	7	\$. 356				1	3	1	1			1				
Maine.....	3	4	. 565									3					
Maryland and Virginia.....	3	4	. 534					1		1		1					
Massachusetts.....	11	23	. 371						1	2	10	9	1				
Michigan.....	1	(1)	(1)									(1)					
New Hampshire.....	2	6	. 358						5	1							
New Jersey.....	1	(1)	(1)									(1)	9	6	3	3	
New York.....	11	43	. 670						3	7	7	5	1	1	3	3	
Ohio.....	3	12	. 504						2	5	2	1	1	1			
Pennsylvania.....	5	23	. 517				1		2	8	4	5	3				
Wisconsin.....	4	9	. 611							1	3	4	1				
Total.....	48	134	. 569				1	5	14	26	32	27	16	7	3	3	
Repairers (not cobblers) (including tip fixers and scourers), female:																	
Illinois.....	8	126	. 312		7		15	38	49	11	6						
Maine.....	6	61	. 343		3		5	20	19	7	5	1		1			
Maryland and Virginia.....	6	41	. 252		2	8	7	14	9								
Massachusetts.....	38	207	. 435				1	3	32	47	109	10	3	1	1		
Michigan.....	2	2	. 237		1												
Minnesota.....	2	6	. 304					2	4								
Missouri.....	7	79	. 300		13		11	12	38	5							
New Hampshire.....	9	66	. 404			4	8	6	21	16	5	3	3				
New Jersey.....	2	10	. 307				4		5	1							
New York.....	18	102	. 411		2		12	10	20	33	12	9	4				
Ohio.....	7	51	. 335				2	14	29	6		2					
Pennsylvania.....	5	50	. 342		4		6	3	25	9	1	2					
Wisconsin.....	10	31	. 371					5	13	10	1	2					
Total.....	120	832	. 377		32	12	70	128	264	145	139	27	10	2	1		

<sup>1</sup> Data included in total.

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1928, by department, sex, and State

Occupation, sex, and State	Number of establishments	Number of wage earners	Average full-time hours per week	Number of wage earners whose full-time hours per week were—							
				Under 44	44	45	Over 45, under 48	48	Over 48, under 51	51, under 54	Over 54, under 57
<b>CUTTING DEPARTMENT</b>											
<b>Cutters, vamp and whole shoe, hand, male:</b>											
Illinois.....	6	143	48.6					125	4	10	4
Maine.....	5	89	53.3					47	22	65	6
Maryland and Virginia.....	5	69	48.7					36	18		
Massachusetts.....	38	640	48.0					548	56		
Michigan.....	1	(1)	(1)					(1)			
Minnesota.....	4	31	48.9					19	11	1	
Missouri.....	3	62	48.0					62			
New Hampshire.....	5	75	49.1					50	13	12	
New Jersey.....	4	45	46.7		27				12	6	
New York.....	18	267	46.9		98			114	55		
Ohio.....	4	119	49.9						119		
Pennsylvania.....	8	131	50.1					61	30	13	12
Wisconsin.....	9	104	49.3				5	68	13		15
<b>Total.....</b>	<b>110</b>	<b>1,777</b>	<b>48.6</b>	<b>125</b>	<b>36</b>	<b>5</b>	<b>1,096</b>	<b>353</b>	<b>42</b>	<b>77</b>	<b>48</b>
<b>Skivers, upper, male:</b>											
Illinois.....	3	7	51.9					1	1	5	
Maine.....	3	4	51.0						3	1	
Maryland and Virginia.....	3	6	50.4						6		
Massachusetts.....	14	52	48.0					51	1		
New Hampshire.....	1	(1)	(1)					(1)			
New York.....	8	24	45.8		13			11			
Pennsylvania.....	1	(1)	(1)						(1)		
Wisconsin.....	1	(1)	(1)						(1)		
<b>Total.....</b>	<b>34</b>	<b>98</b>	<b>48.1</b>	<b>13</b>				<b>65</b>	<b>14</b>	<b>5</b>	<b>1</b>
<b>Skivers, upper, female:</b>											
Illinois.....	8	45	49.0					31	9	5	
Maine.....	6	18	52.2						8	10	
Maryland and Virginia.....	3	17	48.8					11	6		
Massachusetts.....	26	107	47.9		4			103			
Michigan.....	4	6	49.7					1	5		
Minnesota.....	4	8	49.9					3	3	2	
Missouri.....	7	56	50.5					12	31	13	
New Hampshire.....	3	47	49.0					30	12	5	
New Jersey.....	3	12	46.0		8				4		
New York.....	15	94	48.5		6			54	34		
Ohio.....	7	42	49.9						42		
Pennsylvania.....	8	37	50.4					17	7	1	12
Wisconsin.....	10	52	48.9		2			22	28		
<b>Total.....</b>	<b>110</b>	<b>541</b>	<b>49.1</b>	<b>14</b>	<b>6</b>			<b>284</b>	<b>189</b>	<b>13</b>	<b>35</b>
<b>FITTING OR STITCHING DEPARTMENT</b>											
<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), male:</b>											
Illinois.....	1	(1)	(1)					(1)			
Massachusetts.....	1	(1)	(1)								
New York.....	3	6	45.3		4			2			
<b>Total.....</b>	<b>5</b>	<b>9</b>	<b>46.2</b>	<b>4</b>				<b>5</b>			
<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), female:</b>											
Illinois.....	8	113	50.6					28	46	39	
Maine.....	5	92	53.6						10	82	
Maryland and Virginia.....	6	54	48.7					37	17		
Massachusetts.....	35	324	48.0		5			319			
Michigan.....	3	7	49.4					2	5		
Minnesota.....	4	11	49.6					6	2	3	
Missouri.....	7	134	49.9					46	68	20	
New Hampshire.....	9	110	49.4					65	18	27	
New Jersey.....	3	22	44.8		20				2		
New York.....	18	217	48.8		9			101	107		
Ohio.....	7	73	49.8		2				71		
Pennsylvania.....	8	112	49.8					54	31	7	20
Wisconsin.....	11	49	48.9		1	1		22	25		
<b>Total.....</b>	<b>124</b>	<b>1,318</b>	<b>49.3</b>	<b>30</b>	<b>8</b>			<b>680</b>	<b>400</b>	<b>78</b>	<b>122</b>

<sup>1</sup> Data included in total.

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1928, by department, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average full-time hours per week	Number of wage earners whose full-time hours per week were—							
				Under 44	44	45	Over 45, under 48	48	Over 48, under 51	51, under 54	Over 54, under 57
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>											
<b>Lining makers (including lining closers, and side and top facing stitchers), female:</b>											
Illinois.....	8	131	50.1					56	35	40	
Maine.....	6	57	53.1					13			44
Maryland and Virginia.....	5	34	49.2					17	17		
Massachusetts.....	38	267	47.9		9			258			
Michigan.....	4	7	49.7					1	6		
Minnesota.....	4	14	50.3					4	5	5	
Missouri.....	7	124	50.4					18	86		20
New Hampshire.....	9	74	49.4					37	25	12	
New Jersey.....	4	15	47.1		9					2	4
New York.....	18	153	48.3		24			57	72		4
Ohio.....	7	59	49.9						59		
Pennsylvania.....	8	57	49.8					27	17	4	9
Wisconsin.....	11	54	48.4			3		34	17		
Total.....	129	1,046	49.2		33	12		509	354	65	73
<b>Top stitchers (including undertrimmers and barber trimmers), male:</b>											
Illinois.....	2	13	48.0					13			
Maryland and Virginia.....	3	12	50.4						12		
Massachusetts.....	12	47	48.1					44	3		
Missouri.....	2	4	52.0						2		2
New Hampshire.....	1	(1)							(1)		
New Jersey.....	1	(1)			(1)						
New York.....	7	32	45.6		19			13			
Pennsylvania.....	2	13	48.0					13			
Total.....	30	132	47.9		20			83	27		2
<b>Top stitchers (including undertrimmers and barber trimmers), female:</b>											
Illinois.....	8	134	50.5					32	60	42	
Maine.....	6	78	53.4						12		66
Maryland and Virginia.....	4	55	48.5					43	12		
Massachusetts.....	38	325	47.9		11			314			
Michigan.....	4	16	49.5					4	12		
Minnesota.....	4	14	49.4					7	5	2	
Missouri.....	7	193	50.7					42	98		53
New Hampshire.....	8	89	49.4					53	15	21	
New Jersey.....	3	11	48.3		4				5	2	
New York.....	16	237	48.6		19			106	112		
Ohio.....	7	110	49.9						110		
Pennsylvania.....	8	61	50.0					24	21	5	11
Wisconsin.....	11	76	48.7			2		44	30		
Total.....	124	1,399	49.4		23	13		669	492	72	130
<b>Vampers, male:</b>											
Illinois.....	2	17	48.0					17			
Maine.....	4	5	53.2						1		4
Maryland and Virginia.....	3	8	50.4						8		
Massachusetts.....	22	155	48.0		3			149	3		
Minnesota.....	1	(1)	(1)							(1)	
Missouri.....	1	(1)	(1)								(1)
New Hampshire.....	4	8	50.1					2	4	2	
New Jersey.....	2	5	44.0		5						
New York.....	10	37	46.8		13			21	3		
Pennsylvania.....	2	15	48.0					15			
Wisconsin.....	3	12	49.3					9	1		
Total.....	54	270	48.2		18	3		213	20	5	9

<sup>1</sup> Data included in total.

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1928, by department, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average full-time hours per week	Number of wage earners whose full-time hours per week were—							
				Under 44	44	45	Over 45, under 48	48	Over 48, under 51	51, under 54	Over 54, under 57
<b>FITTING OR STITCHING DEPARTMENT—Continued</b>											
Vampers, female:											
Illinois.....	8	96	49.6					49	28	19	
Maine.....	5	45	52.3					19			26
Maryland and Virginia.....	6	33	48.7					23	10		
Massachusetts.....	30	172	48.0		2			170			
Michigan.....	4	12	49.7					2	10		
Minnesota.....	4	18	49.7					9	4	5	
Missouri.....	7	141	50.6					23	84		34
New Hampshire.....	9	91	49.2					50	30	11	
New Jersey.....	4	18	48.1		7				8	3	
New York.....	17	189	48.4		16			100	73		
Ohio.....	7	87	49.9						87		
Pennsylvania.....	7	45	51.0					9	17	4	15
Wisconsin.....	11	75	48.9		3			33	39		
Total.....	119	1,022	49.3		23	5		468	409	42	75

**LASTING DEPARTMENT**

Assemblers, for pulling-over machine, male:											
Illinois.....	8	55	49.6					29	16	8	2
Maine.....	6	23	52.8						7		15
Maryland and Virginia.....	7	28	49.0					16	12		
Massachusetts.....	28	132	48.2					122	10		
Michigan.....	3	3	50.0						3		
Minnesota.....	4	5	50.2					2	1	2	
Missouri.....	7	74	50.2					15	47		12
New Hampshire.....	9	28	49.6					13	9	6	
New Jersey.....	4	19	46.3		13				3	3	
New York.....	16	92	47.5		22			51	19		
Ohio.....	7	30	49.9						30		
Pennsylvania.....	6	17	51.1					3	7	2	3
Wisconsin.....	11	31	49.4		1			17	9		4
Total.....	116	537	49.0		35	1		268	173	21	29
Assemblers, for pulling-over machine, female:											
Illinois.....	1	(1)	(1)						(1)		
Maine.....	1	(1)	(1)						(1)		
Massachusetts.....	4	4	48.0					4			
New Hampshire.....	2	3	51.7						1	2	
New York.....	2	17	50.0						17		
Total.....	10	26	49.9					4	20	2	
Bed-machine operators, male:											
Illinois.....	7	131	49.7					67	33	28	3
Maine.....	6	61	52.7						20		3
Maryland and Virginia.....	6	49	48.6					36	13		
Massachusetts.....	29	291	48.1		6			268	17		
Michigan.....	4	8	49.5					2	6		
Minnesota.....	4	9	49.7					4	3	2	
Missouri.....	7	157	50.3					32	98		27
New Hampshire.....	9	82	49.5					41	26	15	
New Jersey.....	3	16	45.5		12				4		
New York.....	16	221	48.2		25			121	75		
Ohio.....	7	72	49.9						72		
Pennsylvania.....	8	35	50.7					8	16	3	4
Wisconsin.....	11	75	49.7		2			34	28		11
Total.....	117	1,207	49.2		37	8		613	411	48	69

<sup>1</sup> Data included in total.

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1928, by department, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average full-time hours per week	Number of wage earners whose full-time hours per week were—							
				Under 44	44	45	Over 45, under 48	48	Over 48, under 51	51, under 54	Over 54, under 57
<b>LASTING DEPARTMENT—Continued</b>											
<b>Turn lasters, hand (including first and second lasters), male:</b>											
Illinois.....	1	(1)	(1)					(1)	9		
Maryland and Virginia.....	2	9	50.5								
Massachusetts.....	9	320	48.2		7			264	49		
Michigan.....	1	(1)	(1)					(1)			
New Jersey.....	2	20	50.8						14	6	
New York.....	9	167	46.4		79			57	31		
Ohio.....	3	37	49.6						37		
Pennsylvania.....	3	127	48.0					127			
Wisconsin.....	1	(1)	(1)					(1)			
<b>Total.....</b>	<b>31</b>	<b>706</b>	<b>47.9</b>		<b>79</b>	<b>7</b>		<b>466</b>	<b>148</b>	<b>6</b>	
<b>BOTTOMING DEPARTMENT</b>											
<b>Goodyear stitchers, male:</b>											
Illinois.....	4	33	48.4					31		2	
Maine.....	4	16	51.3					11		4	
Maryland and Virginia.....	6	23	48.8					15	8		
Massachusetts.....	16	109	48.0		2			105	2		
Michigan.....	4	7	49.7					1	6		
Minnesota.....	4	5	49.7					2	2	1	
Missouri.....	4	33	51.5					6	12	15	
New Hampshire.....	5	35	48.5					26	9		
New Jersey.....	3	7	46.6		4			3			
New York.....	15	114	48.3		11			63	40		
Ohio.....	6	28	49.9						28		
Pennsylvania.....	8	22	51.0					5	8	3	
Wisconsin.....	10	29	49.8		1			10	14	4	
<b>Total.....</b>	<b>89</b>	<b>461</b>	<b>48.9</b>		<b>15</b>	<b>3</b>		<b>264</b>	<b>143</b>	<b>4</b>	
<b>Edge trimmers, male:</b>											
Illinois.....	8	64	49.6					34	17	11	
Maine.....	6	41	53.0					11		27	
Maryland and Virginia.....	7	37	48.9					22	15		
Massachusetts.....	37	191	48.1		6			168	17		
Michigan.....	4	6	49.7					1	5		
Minnesota.....	4	6	49.8					3	1	2	
Missouri.....	7	73	50.1					17	46	10	
New Hampshire.....	9	54	49.4					29	15	10	
New Jersey.....	4	10	47.9		4			5	1		
New York.....	20	147	48.2		19			78	50		
Ohio.....	7	56	49.9						56		
Pennsylvania.....	8	29	50.3					11	9	3	
Wisconsin.....	10	40	49.5		1			19	15	5	
<b>Total.....</b>	<b>131</b>	<b>754</b>	<b>49.1</b>		<b>23</b>	<b>7</b>		<b>382</b>	<b>262</b>	<b>27</b>	
<b>FINISHING DEPARTMENT</b>											
<b>Edge setters, male:</b>											
Illinois.....	8	63	49.5					37	13	11	
Maine.....	6	44	53.3					9		32	
Maryland and Virginia.....	7	27	48.8					18	9		
Massachusetts.....	38	186	48.1		5			164	17		
Michigan.....	4	4	49.5					1	3		
Minnesota.....	4	10	50.0					4	3	3	
Missouri.....	7	54	50.1					18	26	10	
New Hampshire.....	9	44	49.5					23	12	9	
New Jersey.....	4	15	47.7		7			5	3		
New York.....	20	147	48.2		17			78	52		
Ohio.....	7	69	49.9						69		
Pennsylvania.....	8	38	49.9					16	13	3	
Wisconsin.....	11	37	49.1		2			18	14	3	
<b>Total.....</b>	<b>133</b>	<b>738</b>	<b>49.1</b>		<b>24</b>	<b>7</b>		<b>377</b>	<b>245</b>	<b>29</b>	

<sup>1</sup> Data included in total.

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1928, by department, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average full-time hours per week	Number of wage earners whose full-time hours per week were—								
				Under 44	44	45	Over 45, under 48	48	Over 48, under 51	51, under 54	Over 54, under 57	
<b>FINISHING DEPARTMENT—Continued</b>												
<b>Treers, hand and machine, male:</b>												
Illinois.....	6	53	50.3					24	8	21		
Maine.....	6	77	53.2					28	16	58		
Maryland and Virginia.....	6	40	48.7					25	12	3		
Massachusetts.....	37	397	48.2		3			356	38			
Michigan.....	4	12	49.8					1	11			
Minnesota.....	3	9	48.7					6	3			
Missouri.....	6	101	50.3					16	70	15		
New Hampshire.....	9	90	49.7					38	34	18		
New Jersey.....	4	17	47.1		9				6	2		
New York.....	17	152	48.1		29			59	64			
Ohio.....	4	45	50.0						45			
Pennsylvania.....	8	42	49.9					18	16	1		
Wisconsin.....	8	37	49.9			3		16	9	2		
<b>Total.....</b>	<b>118</b>	<b>1,072</b>	<b>49.2</b>		<b>38</b>	<b>6</b>		<b>562</b>	<b>332</b>	<b>42</b>	<b>78</b>	<b>14</b>
<b>Treers, hand and machine, female:</b>												
Illinois.....	6	62	49.6					29	24	9		
Maine.....	1	(1)	(1)							(1)		
Maryland and Virginia.....	3	12	50.3						12			
Massachusetts.....	3	5	48.0					5				
Michigan.....	1	(1)	(1)					(1)				
Minnesota.....	2	4	51.4							3		
Missouri.....	3	29	48.6					21	8			
New York.....	6	40	48.9					23	17			
Ohio.....	6	39	48.9						39			
Wisconsin.....	5	45	48.8					28	17			
<b>Total.....</b>	<b>36</b>	<b>239</b>	<b>49.3</b>					<b>108</b>	<b>117</b>	<b>12</b>	<b>2</b>	
<b>Repairers (not cobblers) (including tip fixers and scourers), male:</b>												
Illinois.....	4	7	50.6					1	4	2		
Maine.....	3	4	51.0						3	1		
Maryland and Virginia.....	3	4	50.3						4			
Massachusetts.....	11	23	48.0			1		21	1			
Michigan.....	1	(1)	(1)						(1)			
New Hampshire.....	2	6	48.0					6				
New Jersey.....	1	(1)	(1)			(1)						
New York.....	11	43	47.5			10		24	9			
Ohio.....	3	12	50.0						12			
Pennsylvania.....	5	23	49.3					16	2	2		
Wisconsin.....	4	9	48.9					7	1	3		
<b>Total.....</b>	<b>48</b>	<b>134</b>	<b>48.5</b>		<b>12</b>	<b>1</b>		<b>75</b>	<b>37</b>	<b>4</b>	<b>1</b>	<b>4</b>
<b>Repairers (not cobblers) (including tip fixers and scourers), female:</b>												
Illinois.....	8	126	50.4					29	62	35		
Maine.....	6	61	53.7						4	57		
Maryland and Virginia.....	6	41	48.8					27	14			
Massachusetts.....	38	207	47.9			6		201				
Michigan.....	2	2	50.0						2			
Minnesota.....	2	6	49.5					4		2		
Missouri.....	7	79	49.3					30	34	6		
New Hampshire.....	9	66	49.7					30	19	17		
New Jersey.....	2	10	51.0						6	4		
New York.....	18	102	48.5			9		51	42			
Ohio.....	7	51	49.9						51			
Pennsylvania.....	5	50	48.9					31	17	2		
Wisconsin.....	10	31	49.0			2		10	19			
<b>Total.....</b>	<b>120</b>	<b>832</b>	<b>49.4</b>		<b>9</b>	<b>8</b>		<b>422</b>	<b>270</b>	<b>58</b>	<b>65</b>	

<sup>1</sup> Data included in total.









TABLE D.—Average and classified hours actually worked in one week in 14 specified occupations, 1928, by department, sex, and State—Contd.

Occupation, sex, and State	Number of establishments	Number of wage earners	Average hours actually worked in one week	Number of wage earners whose hours actually worked in one week were—																				
				Under 12	12, under 16	16	Over 16, under 20	20, under 24	24	Over 24, under 28	28, under 32	32	Over 32, under 36	36, under 40	40	Over 40, under 44	44, under 48	48	Over 48, under 51	51, under 54	54	Over 54, under 57	57, under 60	60
<b>LASTING DEPARTMENT—Continued</b>																								
<b>Assemblers, for pulling-over machine, male—Continued.</b>																								
New York	16	92	42.0				1	1		6	2		2	6	8	29	22	4	10	1				
Ohio	7	30	35.0		2			2		2	1	1	4	12	1	1	3	2	6		1			
Pennsylvania	6	17	45.0				1						3	1	1	1	5	2	6					
Wisconsin	11	31	44.3							1				1	1	9	6	3	4	2		2		
<b>Total</b>	<b>116</b>	<b>537</b>	<b>43.2</b>	<b>3</b>	<b>4</b>		<b>6</b>	<b>9</b>		<b>17</b>	<b>10</b>	<b>2</b>	<b>25</b>	<b>44</b>	<b>20</b>	<b>88</b>	<b>107</b>	<b>68</b>	<b>79</b>	<b>43</b>	<b>4</b>	<b>7</b>		<b>1</b>
<b>Assemblers, for pulling-over machine, female:</b>																								
Illinois	1	(1)	(1)																	(1)				
Maine	1	(1)	(1)																	(1)				
Massachusetts	4	4	46.2													1	1	2						
New Hampshire	2	3	42.3							1											2			
New York	2	17	43.6	1									1	1		1	7			6				
<b>Total</b>	<b>10</b>	<b>26</b>	<b>44.3</b>	<b>1</b>						<b>1</b>			<b>1</b>	<b>1</b>		<b>2</b>	<b>8</b>	<b>2</b>	<b>8</b>	<b>2</b>				
<b>Bed-machine operators, male:</b>																								
Illinois	7	131	47.6							2		1		5		11	16	15	79	2				
Maine	6	61	45.4		1					2			2	4		5	22	2	19	3		1		
Maryland and Virginia	6	49	46.7		1			2	2	1	3			2		1	17		6	3	2	8		3
Massachusetts	20	201	43.5		1		2	1	6	8			11	13	6	39	91	92	19					
Michigan	4	8	49.2														1	2	4					
Minnesota	4	9	50.3																	1				
Missouri	7	157	47.9		1		1			1	1			1	1	13	15	1	63	53				
New Hampshire	9	82	43.4		2		1	1		1	4			2	10	14	3	8	27	9				
New Jersey	3	16	46.0		1									1	2				1	11				
New York	16	221	44.3				1	2		7	9	1	3	10	3	53	51	17	54	6		4		
Ohio	7	72	39.1		2			8		3	2	6	9	2	20	4	1	7	6	4	1	1		
Pennsylvania	8	35	47.3						1		1	1			3	5	1	18	4					
Wisconsin	11	75	45.6					3		3	1	1			1	25	6	5	13	11		5	2	
<b>Total</b>	<b>117</b>	<b>1,207</b>	<b>45.0</b>	<b>4</b>	<b>6</b>		<b>5</b>	<b>18</b>	<b>1</b>	<b>23</b>	<b>29</b>	<b>6</b>	<b>25</b>	<b>55</b>	<b>15</b>	<b>189</b>	<b>231</b>	<b>148</b>	<b>310</b>	<b>114</b>	<b>4</b>	<b>19</b>	<b>2</b>	<b>3</b>



TABLE D.—Average and classified hours actually worked in one week in 14 specified occupations, 1928, by department, sex, and State—Contd.

Occupation, sex, and State	Number of establishments	Number of wage earners	Average hours actually worked in one week	Number of wage earners whose hours actually worked in one week were—																						
				Under 12	12, under 16	16	Over 16, under 20	20, under 24	24	Over 24, under 28	28, under 32	32	Over 32, under 36	36, under 40	40	Over 40, under 44	44, under 48	48	Over 48, under 51	51, under 54	54	Over 54, under 57	57, under 60	60	Over 60	
				<b>FINISHING DEPARTMENT</b>																						
<b>Edge setters, male:</b>																										
Illinois	8	63	46.5								1	1			2		8	22	2	25	2					
Maine	6	44	45.7	1						1	2	1		1		5	9	1	13	9			1			
Maryland and Virginia	7	27	45.9				1				3					6	2	1	4		2				1	
Massachusetts	38	186	44.3	1	1		1	1			2			10	19	4	9	57	70	10	7					
Michigan	4	4	47.9															2	1	1						
Minnesota	4	10	51.3															4			5			1		
Missouri	7	54	45.7												7		5	19		22						
New Hampshire	9	44	44.2	1								2		5	2		3	9	10	6	6					
New Jersey	4	15	46.2				1										1	6		3	2					
New York	20	147	42.7		1		1	3	1		3	5	2	11	6	1	29	39	6	33	5			1		
Ohio	7	69	40.4		1		1	2			2	3	2	7	9		10	24	3	5						
Pennsylvania	8	38	46.2				1				1				1		3	14		17				1		
Wisconsin	11	37	40.8	1			1				1				1	2	15	9		2	2			2		
<b>Total</b>	<b>133</b>	<b>738</b>	<b>44.1</b>	<b>4</b>	<b>3</b>		<b>4</b>	<b>8</b>	<b>2</b>	<b>9</b>	<b>18</b>	<b>5</b>	<b>35</b>	<b>48</b>	<b>7</b>	<b>94</b>	<b>212</b>	<b>98</b>	<b>141</b>	<b>39</b>	<b>2</b>	<b>6</b>	<b>2</b>		<b>1</b>	
<b>Treers, hand and machine, male:</b>																										
Illinois	6	53	46.4	2						2					1	1	5	1	1	40						
Maine	6	77	48.5											4	1	1	15	13	3	9	12	4	5	3	6	
Maryland and Virginia	6	40	49.9	1											1	1	2	4		9	14	2	3	1		
Massachusetts	37	397	44.4	2			3	4			2	8	12	42	10	71	60	145	14	4		3	17			
Michigan	4	12	47.3								1				1			2	1	1	6					
Minnesota	3	9	46.8												1				4	3						
Missouri	6	101	47.1	1	4										1		7	11	4	69	3			1		
New Hampshire	9	90	46.0	4										1	4	5	7	1	23	26	11	1	4	3		
New Jersey	4	17	44.3											1		2	5	2		4		1	1			
New York	17	152	44.4					2		2				6	9	3	34	46	7	36	6	1				
Ohio	4	45	44.3								1			4	9		7	5	2	13	2			1	1	
Pennsylvania	8	42	47.1							1				1	1		6	6	1	24	1					
Wisconsin	8	37	45.3			1										4	15	3	1	9			1	3		
<b>Total</b>	<b>118</b>	<b>1,072</b>	<b>45.6</b>	<b>10</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>6</b>		<b>8</b>	<b>15</b>		<b>30</b>	<b>76</b>	<b>17</b>	<b>174</b>	<b>155</b>	<b>192</b>	<b>257</b>	<b>60</b>	<b>9</b>	<b>18</b>	<b>28</b>	<b>7</b>	<b>2</b>	



TABLE E.—Average and classified actual earnings in one week in 14 specified occupations, 1923, by department, sex, and State

Occupation, sex, and State	Number of establishments	Number of wage earners	Average earnings in one week	Number of wage earners whose actual earnings in one week were—																									
				Under \$4	\$4, under \$6	\$6, under \$8	\$8, under \$10	\$10, under \$12	\$12, under \$14	\$14, under \$16	\$16, under \$18	\$18, under \$20	\$20, under \$22	\$22, under \$24	\$24, under \$26	\$26, under \$28	\$28, under \$30	\$30, under \$32	\$32, under \$34	\$34, under \$36	\$36, under \$38	\$38, under \$40	\$40, under \$45	\$45, under \$50	\$50, under \$55	\$55, under \$60	\$60 and over		
				<b>CUTTING DEPARTMENT</b>																									
Cutters, vamp and whole shoe, hand, male:																													
Illinois	6	143	\$30.76							1	1	1	4	3	4	2	4	4	7	6	16	3	18	25	22	13	8	2	
Maine	5	89	33.54										2	7	4	3	3	8	5	11	9	18	13	5	1		3	1	
Maryland and Virginia	5	69	27.95		1					2	4	3	6	5	3	5	10	7	7	2	6	5	5	3	1				
Massachusetts	38	640	30.33					1	2	3	8	6	10	9	14	15	14	25	27	35	48	71	40	112	116	46	20	18	
Michigan	1	(1)	(1)																				(1)						
Minnesota	4	31	25.90											2	2	2	2	2	5	18	6	2	7	8	14	6			
Missouri	3	62	36.73											1	2	3	2	2	9	13	7	2	5	4	9	2			
New Hampshire	5	75	31.17	2						1				1	3	4	2	2	8	3	2	6	7	4	1	4			
New Jersey	4	45	33.03				3			2				1	4	3	4	2	9	12	4	5	3	6	9	2	1		
New York	18	267	43.22	1	1									3	4	4	4	16	17	12	15	8	14	43	27	4	1	46	
Ohio	4	119	35.22		1				12	10		1		12	15	12	10	13	9	7	6	4	6	12	20	22	20	4	6
Pennsylvania	8	131	27.22	2	1				2	3		6		12	15	12	16	13	9	7	4	6	4	6	6	3	2	1	
Wisconsin	9	104	32.40					1						1	5	8	7	9	4	11	15	10	7	4	6	3	1		
Total	110	1,777	36.89	5	4			5	2	22	30	17	40	62	62	67	81	95	106	121	130	127	112	260	207	97	58	67	
Skivers, upper, male:																													
Illinois	3	7	14.34				1			3	2				1														
Maine	3	4	24.01												1														
Maryland and Virginia	3	6	15.01	1						2	1	1			1				1										
Massachusetts	14	52	29.14	1		1				1		2			1	8			7	1	15		3	1		9	1		
New Hampshire	1	(1)	(1)							(1)					(1)														
New York	8	24	38.71												(1)	2			1	4	2	3		2		1	3	1	4
Pennsylvania	1	(1)	(1)										(1)		(1)														
Wisconsin	1	(1)	(1)			(1)																							
Total	34	98	28.69	2	2	2			7	3	3		1	6	11	5	9	5	17		5	1			9	2	3	1	4
Skivers, upper, female:																													
Illinois	8	45	22.72		2						4	5	2	5	4	6	8	7	2										
Maine	6	18	28.57			1				1			2	2	4	3	2	2				1							
Maryland and Virginia	3	17	15.89	1	1	1				2	3	3	3	2	2	3													
Massachusetts	20	107	24.14		1			2	3	4		5	1	3	3	8	13	12	11	12	9	5	2	2	2		1		
Michigan	4	6	14.76							1	2	1		1	1														
Minnesota	4	8	17.06							1	2	1		1	1														
Missouri	7	56	17.56			2	3	4	4	10	7	6	9	6	8	1	1	2	1										
New Hampshire	9	47	19.32			1	2	9	6		7	2	2	2	3	3			1	3		2		2		1			
New Jersey	3	12	21.43					1		1				1	2	2				2	1		2	1					
New York	15	94	21.04	1	1		2	11	6	8	1	6	10	14	9	6		5	8	2	2	2	2	2	1				1
Ohio	7	42	18.62	1		1		1	6	3	5	3	5	5	4	1		1	1	2	2	1							







TABLE E.—Average and classified actual earnings in one week in 14 specified occupations, 1928, by department, sex, and State—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average earnings in one week	Number of wage earners whose actual earnings in one week were—																							
				Under \$4	\$4, under \$6	\$6, under \$8	\$8, under \$10	\$10, under \$12	\$12, under \$14	\$14, under \$16	\$16, under \$18	\$18, under \$20	\$20, under \$22	\$22, under \$24	\$24, under \$26	\$26, under \$28	\$28, under \$30	\$30, under \$32	\$32, under \$34	\$34, under \$36	\$36, under \$38	\$38, under \$40	\$40, under \$45	\$45, under \$50	\$50, under \$55	\$55, under \$60	\$60 and over

## LASTING DEPARTMENT—Continued

<b>LASTING DEPARTMENT—Continued</b>																												
<b>Assemblers, for pulling-over machine, female:</b>																												
Illinois.....	1	(1)	(1)																									
Maine.....	4	4	\$34.56																									
Massachusetts.....	2	3	17.60																									
New Hampshire.....	2	17	19.42	1																								
New York.....	2	17	19.42	1																								
<b>Total.....</b>	<b>10</b>	<b>26</b>	<b>22.19</b>	<b>1</b>																								
<b>Bed machine operators, male:</b>																												
Illinois.....	7	131	32.14																									
Maine.....	6	61	26.16																									
Maryland and Virginia.....	6	49	26.07																									
Massachusetts.....	29	291	31.80																									
Michigan.....	4	8	34.38																									
Minnesota.....	4	9	34.12																									
Missouri.....	7	157	29.95	1																								
New Hampshire.....	9	82	28.45																									
New Jersey.....	3	16	34.56	1																								
New York.....	16	221	31.59																									
Ohio.....	7	72	29.27																									
Pennsylvania.....	8	35	26.95																									
Wisconsin.....	11	75	33.12																									
<b>Total.....</b>	<b>117</b>	<b>1,207</b>	<b>30.69</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>8</b>	<b>8</b>	<b>23</b>	<b>32</b>	<b>45</b>	<b>56</b>	<b>96</b>	<b>95</b>	<b>97</b>	<b>126</b>	<b>98</b>	<b>114</b>	<b>88</b>	<b>77</b>	<b>58</b>	<b>88</b>	<b>50</b>	<b>21</b>	<b>8</b>	<b>7</b>	
<b>Turn lasters, hand (including first and second lasters), male:</b>																												
Illinois.....	1	(1)	(1)																									
Maryland and Virginia.....	2	9	38.60																									
Massachusetts.....	9	320	34.39																									
Michigan.....	1	(1)	(1)																									
New Jersey.....	2	20	24.76																									
New York.....	9	167	43.49	1																								









## LIST OF BULLETINS OF THE BUREAU OF LABOR STATISTICS

*The following is a list of all bulletins of the Bureau of Labor Statistics published since July, 1912, except that in the case of bulletins giving the results of periodic surveys of the bureau only the latest bulletins on any one subject is here listed.*

*A complete list of the reports and bulletins issued prior to July, 1912, as well as the bulletins published since that date, will be furnished on application. Bulletins marked thus (\*) are out of print.*

### **Cconciliation and Arbitration (including strikes and lockouts).**

- \*No. 124. Conciliation and arbitration in the building trades of Greater New York. [1913.]
- \*No. 133. Report of the industrial council of the British Board of Trade on its inquiry into industrial agreements. [1913.]
- No. 139. Michigan copper district strike. [1914.]
- No. 144. Industrial court of the cloak, suit, and skirt industry of New York City. [1914.]
- No. 145. Conciliation, arbitration, and sanitation in the dress and waist industry of New York City. [1914.]
- \*No. 191. Collective bargaining in the anthracite coal industry. [1916.]
- \*No. 198. Collective agreements in the men's clothing industry. [1916.]
- No. 233. Operation of the industrial disputes investigation act of Canada. [1918.]
- No. 255. Joint industrial councils in Great Britain. [1919.]
- No. 233. History of the Shipbuilding Labor Adjustment Board, 1917 to 1919.
- No. 287. National War Labor Board: History of its formation, activities, etc. [1921.]
- No. 303. Use of Federal power in settlement of railway labor disputes. [1922.]
- No. 341. Trade agreement in the silk-ribbon industry of New York City. [1923.]
- No. 402. Collective bargaining by actors. [1926.]
- No. 468. Trade agreements, 1927.
- No. 481. Joint industrial control in the book and job printing industry. [1928.]

### **Cooperation.**

- No. 313. Consumers' cooperative societies in the United States in 1920.
- No. 314. Cooperative credit societies in America and in foreign countries. [1922.]
- No. 437. Cooperative movement in the United States in 1925 (other than agricultural).

### **Employment and Unemployment.**

- \*No. 109. Statistics of unemployment and the work of employment offices in the United States. [1913.]
- No. 172. Unemployment in New York City, N. Y. [1915.]
- \*No. 183. Regularity of employment in the women's ready-to-wear garment industries. [1915.]
- \*No. 195. Unemployment in the United States. [1916.]
- No. 196. Proceedings of the Employment Managers' Conference held at Minneapolis, Minn., January 19 and 20, 1916.
- \*No. 202. Proceedings of the conference of Employment Managers' Association of Boston, Mass., held May 10, 1916.
- No. 206. The British system of labor exchanges. [1916.]
- No. 227. Proceedings of the Employment Managers' Conference, Philadelphia, Pa., April 2 and 3, 1917.
- No. 235. Employment system of the Lake Carriers' Association. [1918.]
- \*No. 241. Public employment offices in the United States. [1918.]
- No. 247. Proceedings of Employment Managers' Conference, Rochester, N. Y., May 9-11, 1918.
- No. 310. Industrial unemployment: A statistical study of its extent and causes. [1922.]
- No. 409. Unemployment in Columbus, Ohio, 1921 to 1925.

### **Foreign Labor Laws.**

- \*No. 142. Administration of labor laws and factory inspection in certain European countries. [1914.]
- No. 494. Labor legislation of Uruguay.

### **Housing.**

- \*No. 158. Government aid to home owning and housing of working people in foreign countries. [1914.]
- No. 263. Housing of employers in the United States. [1920.]
- No. 295. Building operations in representative cities in 1920.
- No. 469. Building permits in the principal cities of the United States in [1921 to] 1927.

### **Industrial Accidents and Hygiene.**

- \*No. 104. Lead poisoning in potteries, tile works, and porcelain enameled sanitary ware factories. [1912.]
- No. 120. Hygiene of the painter's trade. [1913.]
- \*No. 127. Dangers to workers from dusts and fumes, and methods of protection. [1913.]
- \*No. 141. Lead poisoning in the smelting and refining of lead. [1914.]
- \*No. 157. Industrial accident statistics. [1915.]
- \*No. 165. Lead poisoning in the manufacture of storage batteries. [1914.]
- \*No. 179. Industrial poisons used in the rubber industry. [1915.]
- No. 188. Report of British departmental committee on the danger in the use of lead in the painting of buildings. [1916.]
- \*No. 201. Report of committee on statistics and compensation insurance cost of the International Association of Industrial Accident Boards and Commissions. [1916.]
- \*No. 207. Causes of death, by occupation. [1917.]
- \*No. 209. Hygiene of the printing trades. [1917.]
- \*No. 219. Industrial poisons used or produced in the manufacture of explosives. [1917.]
- No. 221. Hours, fatigue, and health in British munition factories. [1917.]
- No. 230. Industrial efficiency and fatigue in British munition factories. [1917.]
- \*No. 231. Mortality from respiratory diseases in dusty trades (inorganic dusts). [1918.]
- \*No. 234. Safety movement in the iron and steel industry, 1907 to 1917.
- No. 236. Effects of the air hammer on the hands of stonecutters. [1918.]
- No. 249. Industrial health and efficiency. Final report of British Health of Munition Workers' Committee. [1919.]
- \*No. 251. Preventable death in the cotton-manufacturing industry. [1919.]
- No. 256. Accidents and accident prevention in machine building. [1919.]
- No. 267. Anthrax as an occupational disease. [1920.]
- No. 276. Standardization of industrial accident statistics. [1920.]
- No. 280. Industrial poisoning in making coal-tar dyes and dye intermediates. [1921.]
- No. 291. Carbon-monoxide poisoning. [1921.]
- No. 293. The problem of dust phthisis in the granite-stone industry. [1922.]
- No. 298. Causes and prevention of accidents in the iron and steel industry, 1910-1919.
- No. 306. Occupational hazards and diagnostic signs: A guide to impairments to be looked for in hazardous occupations. [1922.]
- No. 392. Survey of hygienic conditions in the printing trades. [1925.]
- No. 405. Phosphorus necrosis in the manufacture of fireworks and in the preparation of phosphorus. [1926.]
- No. 426. Deaths from lead poisoning. [1927.]
- No. 427. Health survey of the printing trades, 1922 to 1925.
- No. 428. Proceedings of the Industrial Accident Prevention Conference, held at Washington, D. C., July 14-16, 1926.
- No. 460. A new test for industrial lead poisoning. [1928.]
- No. 466. Settlement for accidents to American seamen. [1928.]
- No. 488. Deaths from lead poisoning, 1925-1927.
- No. 490. Statistics of industrial accidents in the United States to the end of 1927. [In press.]

### **Industrial Relations and Labor Conditions.**

- No. 237. Industrial unrest in Great Britain. [1917.]
  - No. 340. Chinese migrations, with special reference to labor conditions. [1923.]
  - No. 349. Industrial relations in the West Coast lumber industry. [1923.]
  - No. 361. Labor relations in the Fairmont (W. Va.) bituminous-coal field. [1924.]
  - No. 380. Postwar labor conditions in Germany. [1925.]
  - No. 383. Works council movement in Germany. [1925.]
  - No. 384. Labor conditions in the shoe industry in Massachusetts, 1920-1924.
  - No. 399. Labor relations in the lace and lace-curtain industries in the United States. [1925.]
- Labor Laws of the United States (including decisions of courts relating to labor).**
- No. 211. Labor laws and their administration in the Pacific States. [1917.]
  - No. 229. Wage-payment legislation in the United States. [1917.]
  - No. 285. Minimum-wage laws of the United States: Construction and operation. [1921.]
  - No. 321. Labor laws that have been declared unconstitutional. [1922.]
  - No. 322. Kansas Court of Industrial Relations. [1923.]
  - No. 343. Laws providing for bureaus of labor statistics, etc. [1923.]
  - No. 370. Labor laws of the United States, with decisions of courts relating thereto. [1925.]
  - No. 408. Laws relating to payment of wages. [1926.]
  - No. 444. Decisions of courts and opinions affecting labor, 1926.
  - No. 486. Labor legislation of 1928.

**Proceedings of Annual Conventions of the Association of Governmental Labor Officials of the United States and Canada.** (Name changed in 1923 to Association of Governmental Officials in Industry of the United States and Canada.)

- \*No. 266. Seventh, Seattle, Wash., July 12-15, 1920.
- No. 307. Eighth, New Orleans, La., May 2-6, 1921.
- No. 323. Ninth, Harrisburg, Pa., May 22-26, 1922.
- No. 352. Tenth, Richmond, Va., May 1-4, 1923.
- \*No. 389. Eleventh, Chicago, Ill., May 19-23, 1924.
- \*No. 411. Twelfth, Salt Lake City, Utah, August 13-15, 1925.
- No. 429. Thirteenth, Columbus, Ohio, June 7-10, 1926.
- No. 455. Fourteenth, Paterson, N. J., May 31 to June 3, 1927.
- No. 480. Fifteenth, New Orleans, La., May 15-24, 1928.

**Proceedings of Annual Meetings of the International Association of Industrial Accident Boards and Commissions.**

- No. 210. Third, Columbus, Ohio, April 25-28, 1916.
- No. 238. Fourth, Boston, Mass., August 21-25, 1917.
- No. 264. Fifth, Madison, Wis., September 24-27, 1918.
- \*No. 273. Sixth, Toronto, Canada, September 23-26, 1919.
- No. 281. Seventh, San Francisco, Calif., September 20-24, 1920.
- No. 304. Eighth, Chicago, Ill., September 19-23, 1921.
- No. 333. Ninth, Baltimore, Md., October 9-13, 1922.
- No. 359. Tenth, St. Paul, Minn., September 24-26, 1923.
- No. 385. Eleventh, Halifax, Nova Scotia, August 26-28, 1924.
- No. 395. Index to proceedings, 1914-1924.
- No. 406. Twelfth, Salt Lake City, Utah, August 17-20, 1925.
- No. 432. Thirteenth, Hartford, Conn., September 14-17, 1926.
- No. 456. Fourteenth, Atlanta, Ga., September 27-29, 1927.
- No. 485. Fifteenth, Paterson, N. J., September 11-14, 1928.

**Proceedings of Annual Meetings of the International Association of Public Employment Services.**

- No. 192. First, Chicago, December 19 and 20, 1913; second, Indianapolis, September 24 and 25, 1914; third, Detroit, July 1 and 2, 1915.
- No. 220. Fourth, Buffalo, N. Y., July 20 and 21, 1916.
- No. 311. Ninth, Buffalo, N. Y., September 7-9, 1921.
- No. 337. Tenth, Washington, D. C., September 11-13, 1922.
- No. 355. Eleventh, Toronto, Canada, September 4-7, 1923.
- No. 400. Twelfth, Chicago, Ill., May 19-23, 1924.
- No. 414. Thirteenth, Rochester, N. Y., September 15-17, 1925.
- No. 478. Fifteenth, Detroit, Mich., October 25-28, 1927.

**Productivity of Labor.**

- No. 356. Productivity costs in the common-brick industry. [1924.]
- No. 360. Time and labor costs in manufacturing 100 pairs of shoes. 1923.
- No. 407. Labor cost of production and wages and hours of labor in the paper box-board industry. [1926.]
- No. 412. Wages, hours, and productivity in the pottery industry, 1925.
- No. 441. Productivity of labor in the glass industry. [1927.]
- No. 474. Productivity of labor in merchant blast furnaces. [1928.]
- No. 475. Productivity of labor in newspaper printing. [1928.]

**Retail Prices and Cost of Living.**

- \*No. 121. Sugar prices, from refiner to consumer. [1913.]
- \*No. 130. Wheat and flour prices, from farmer to consumer. [1913.]
- No. 164. Butter prices, from producer to consumer. [1914.]
- No. 170. Foreign food prices as affected by the war. [1915.]
- No. 357. Cost of living in the United States. [1924.]
- No. 369. The use of cost-of-living figures in wage adjustments. [1925.]
- No. 495. Retail prices, 1890 to 1928.

**Safety Codes.**

- \*No. 331. Code of lighting: Factories, mills, and other work places.
- No. 336. Safety code for the protection of industrial workers in foundries.
- No. 350. Specifications of laboratory tests for approval of electric headlighting devices for motor vehicles.
- No. 351. Safety code for the construction, care, and use of ladders.
- No. 375. Safety code for laundry machinery and operations.
- No. 378. Safety code for woodworking plants.
- No. 382. Code for lighting school buildings.
- No. 410. Safety code for paper and pulp mills.
- No. 430. Safety code for power presses and foot and hand presses.
- No. 433. Safety codes for the prevention of dust explosions.

**Safety Codes—Continued.**

- No. 436. Safety code for the use, care, and protection of abrasive wheels.
- No. 447. Safety code for rubber mills and calenders.
- No. 451. Safety code for forging and hot metal stamping.
- No. 463. Safety code for mechanical power-transmission apparatus—first revision.

**Vocational and Workers' Education.**

- \*No. 159. Short-unit courses for wage earners, and a factory school experiment. [1915.]
- \*No. 162. Vocational education survey of Richmond, Va. [1915.]
- No. 199. Vocational education survey of Minneapolis, Minn. [1917.]
- No. 271. Adult working-class education in Great Britain and the United States. [1920.]
- No. 459. Apprenticeship in building construction. [1928.]

**Wages and Hours of Labor.**

- \*No. 146. Wages and regularity of employment and standardization of piece rates in the dress and waist industry of New York City. [1914.]
- \*No. 147. Wages and regularity of employment in the cloak, suit, and skirt industry. [1914.]
- No. 161. Wages and hours of labor in the clothing and cigar industries, 1911 to 1913.
- No. 163. Wages and hours of labor in the building and repairing of steam railroad cars, 1907 to 1913.
- No. 190. Wages and hours of labor in the cotton, woolen, and silk industries, 1907 to 1914.
- No. 204. Street-railway employment in the United States. [1917.]
- No. 225. Wages and hours of labor in the lumber, millwork, and furniture industries, 1915.
- No. 265. Industrial survey in selected industries in the United States, 1919.
- No. 297. Wages and hours of labor in the petroleum industry, 1920.
- No. 356. Productivity costs in the common-brick industry. [1924.]
- No. 358. Wages and hours of labor in the automobile-tire industry, 1923.
- No. 360. Time and labor costs in manufacturing 100 pairs of shoes, 1923.
- No. 365. Wages and hours of labor in the paper and pulp industry, 1923.
- No. 394. Wages and hours of labor in metalliferous mines, 1924.
- No. 407. Labor cost of production and wages and hours of labor in the paper box-board industry. [1925.]
- No. 412. Wages, hours, and productivity in the pottery industry, 1925.
- No. 416. Hours and earnings in anthracite and bituminous coal mining, 1922 and 1924.
- No. 435. Wages and hours of labor in foundries and the men's clothing industry, 1911 to 1926.
- No. 438. Wages and hours of labor in the motor-vehicle industry, 1925.
- No. 442. Wages and hours of labor in the iron and steel industry, 1907 to 1926.
- No. 452. Wages and hours of labor in the hosiery and underwear industries, 1907 to 1926.
- No. 454. Hours and earnings in bituminous-coal mining, 1922, 1924, and 1926.
- No. 471. Wages and hours of labor in foundries and machine shops, 1927.
- No. 472. Wages and hours of labor in the slaughtering and meat packing industry, 1927.
- No. 476. Union scales of wages and hours of labor, 1927. [Supplement to Bul. No. 457.]
- No. 482. Union scales of wages and hours of labor, May 15, 1928.
- No. 484. Wages and hours of labor of common street laborers, 1928.
- No. 487. Wages and hours of labor in woolen and worsted goods manufacturing, 1910 to 1928.
- No. 492. Wages and hours of labor in cotton-goods manufacturing, 1910 to 1928.
- No. 497. Wages and hours of labor in the lumber industry in the United States, 1928.

**Welfare Work.**

- \*No. 123. Employers' welfare work. [1913.]
- No. 222. Welfare work in British munitions factories. [1917.]
- \*No. 250. Welfare work for employees in industrial establishments in the United States. [1919.]
- No. 458. Health and recreation activities in industrial establishments, 1926.

**Wholesale Prices.**

- No. 284. Index numbers of wholesale prices in the United States and foreign countries. [1921.]
- No. 453. Revised index numbers of wholesale prices, 1923 to July, 1927.
- No. 473. Wholesale prices, 1890 to 1927.
- No. 493. Wholesale prices, 1913 to 1928.

**Women and Children in Industry.**

- No. 116. Hours, earnings, and duration of employment of wage-earning women in selected industries in the District of Columbia. [1913.]
- \*No. 117. Prohibition of night work of young persons. [1913.]
- No. 118. Ten-hour maximum working-day for women and young persons. [1913.]
- No. 119. Working hours of women in the pea canneries of Wisconsin. [1913.]
- \*No. 122. Employment of women in power laundries in Milwaukee. [1913.]
- No. 160. Hours, earnings, and conditions of labor of women in Indiana mercantile establishments and garment factories. [1914.]
- \*No. 167. Minimum-wage legislation in the United States and foreign countries. [1915.]
- \*No. 175. Summary of the report on conditions of women and child wage earners in the United States. [1915.]

**Women and Children in Industry—Continued.**

- \*No. 176. Effect of minimum-wage determination in Oregon. [1915.]
- \*No. 180. The boot and shoe industry in Massachusetts as a vocation for women. [1915.]
- \*No. 82. Unemployment among women in department and other retail stores of Boston, Mass. [1916.]
- \*No. 193. Dressmaking as a trade for women in Massachusetts. [1916.]
- \*No. 215. Industrial experience of trade-school girls in Massachusetts. [1917.]
- \*No. 217. Effect of workmen's compensation laws in diminishing the necessity of industrial employment of women and children. [1918.]
- No. 223. Employment of women and juveniles in Great Britain during the war. [1917.]
- No. 253. Women in the load industries. [1919.]

**Workmen's Insurance and Compensation (including laws relating thereto).**

- \*No. 101. Care of tuberculous wage earners in Germany. [1912.]
- \*No. 102. British national insurance act, 1911.
- No. 103. Sickness and accident insurance law in Switzerland. [1912.]
- No. 107. Law relating to insurance of salaried employees in Germany. [1913.]
- \*No. 155. Compensation for accidents to employees of the United States. [1914.]
- No. 212. Proceedings of the conference on social insurance called by the International Association of Industrial Accident Boards and Commissioners, Washington, D. C., December 5-9, 1916.
- \*No. 243. Workmen's compensation legislation in the United States and foreign countries, 1917 and 1918.
- No. 301. Comparison of workmen's compensation insurance and administration. [1922.]
- No. 312. National health insurance in Great Britain, 1911 to 1921.
- No. 379. Comparison of workmen's compensation laws of the United States as of January 1, 1925.
- No. 477. Public-service retirement systems, United States and Europe. [1928.]
- No. 496. Workmen's compensation legislation of the United States and Canada as of January, 1929. With text of legislation enacted in 1927 and 1928.

**Miscellaneous Series.**

- \*No. 174. Subject index of the publications of the United States Bureau of Labor Statistics up to May 1, 1915.
- No. 208. Profit sharing in the United States. [1916.]
- No. 242. Food situation in central Europe, 1917.
- No. 254. International labor legislation and the society of nations. [1919.]
- No. 268. Historical survey of international action affecting labor. [1920.]
- No. 282. Mutual relief associations among Government employees in Washington, D. C. [1921.]
- No. 299. Personnel research agencies: A guide to organize research in employment, management, industrial relations, training, and working conditions. [1921.]
- No. 319. The Bureau of Labor Statistics: Its history, activities, and organization. [1922.]
- No. 326. Methods of procuring and computing statistical information of the Bureau of Labor Statistics. [1923.]
- No. 342. International Seamen's Union of America: A study of its history and problems. [1923.]
- No. 346. Humanity in government. [1923.]
- No. 372. Convict labor in 1923.
- No. 386. Cost of American almshouses. [1925.]
- No. 398. Growth of legal-aid work in the United States. [1926.]
- No. 401. Family allowances in foreign countries. [1926.]
- No. 420. Handbook of American trade-unions. [1926.]
- No. 439. Handbook of labor statistics, 1924 to 1926.
- No. 461. Labor organizations in Chile. [1928.]
- No. 462. Park recreation areas in the United States. [1928.]
- No. 465. Beneficial activities of American trade-unions. [1928.]
- No. 479. Activities and functions of a State department of labor. [1928.]
- No. 483. Conditions in the shoe industry in Haverhill, Mass., 1928.
- No. 489. Care of aged persons in United States. [1929.]
- No. 491. Handbook of labor statistics, 1929 edition.