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W. N. DOAK, Secretary

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WAGES AND HOURS OF LABOR SERIES

**WAGES AND HOURS OF LABOR  
IN THE BOOT AND SHOE  
INDUSTRY  
1910 TO 1930**



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# BULLETIN OF THE U. S. BUREAU OF LABOR STATISTICS

NO. 551

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## WAGES AND HOURS OF LABOR IN THE BOOT AND SHOE INDUSTRY 1910 TO 1930

The 1930 figures in this report are the results of a study by the Bureau of Labor Statistics of wages and hours of labor of 55,158 wage earners of 161 representative factories in the boot and shoe industry in the United States.

Summaries of average full-time hours per week, earnings per hour, and full-time earnings per week are presented in Table 1 for the industry and for each of the important occupations in the industry for each of the years from 1910 to 1930 in which studies have been made by the bureau. The averages at the beginning of the table are for the industry, followed by averages for each of the important occupations in the industry and also for the group of "other employees" which includes employees in all occupations other than those in the important occupations. Index numbers of these averages, with the 1913 average as the base, or 100 per cent, are given in the table for the industry and for each occupation for which 1913 data are available.

### HOURS AND EARNINGS FOR THE INDUSTRY AND EACH OCCUPATION, 1910 TO 1930

In 1930 the industry average of full-time hours per week, at 48.9, was 0.2 hour per week, or 0.4 per cent less than in 1928; of average earnings per hour, at 51.0 cents, was 2 cents per hour, or 3.8 per cent less than in 1928; and of full-time earnings per week, at \$24.94, was \$1.08, or 4.2 per cent less than in 1928.

Average full-time hours per week of males in 1930 in the various occupations in the industry ranged from 44.7 for folders, to 50.4 for stampers, linings and uppers, and of females ranged from 48.4 for table workers, to 49.9 for closers-on, and cutters, vamp, and whole shoe, machine.

Average earnings per hour of males in 1930 ranged in the different occupations from 35.2 cents for stampers, linings, and uppers, to \$1.058 for turn sewers, and of females ranged from 30 cents for shoe cleaners, to 50.6 cents for cutters, vamp, and whole shoe, machine.

Average full-time earnings per week of males in 1930 in the various occupations ranged from \$17.74 for stampers, linings, and uppers, to \$50.78 for turn sewers, and of females from \$14.70 for shoe cleaners, to \$25.25 for cutters, vamp, and whole shoe, machine. In only 1 of the 29 occupations for which figures are shown for males and females

separately, was the 1930 average full-time earnings per week of females more than the average of males. The occupation is stampers, linings, and uppers, and the difference was 90 cents per week. In each of the other 28 occupations the average for males was more than the average for females, and the difference by occupations ranged from \$2.84 for sole cementers to \$27.45 for folders.

The industry averages in Table 1 for each of the years from 1910 to 1914 are for the wage earners in the *selected occupations* only and are directly comparable one year with another over that period. Those for the even years from 1914 to 1930 are for wage earners in *all occupations* in the industry, including those in the selected occupations and the group of *other employees* at the end of the table, and are also comparable one year with another but should *not* be compared with the averages of wage earners in the selected occupations for any of the years from 1910 to 1914. Two sets of averages are shown in the table for 1914—one for the 18,567 wage earners in the selected occupations in 91 establishments and the other for the 49,376 wage earners in all occupations in the same 91 establishments. The average earnings of the wage earners in the *selected occupations* were 31.4 cents per hour and \$17.11 per full-time week, and of those in *all occupations* were 24.3 cents per hour and \$13.26 per full-time week.

The index numbers are for the purpose of furnishing comparable data, one year with another from 1910 to 1930. The index numbers for any year from 1910 to 1914 for selected occupations is the per cent that the average for the year is of the 1913 average. The index for any year from 1914 to 1930 for all occupations was computed by increasing or decreasing the 1914 index for selected occupations in proportion to the increase or decrease in the average for each succeeding year as compared with the 1914 average for wage earners in all occupations.

Average full-time hours per week decreased from year to year from an index of 102.7 in 1910 to 88.2 in 1920, increased to 88.4 in 1922 to 88.9 in 1924 and 1926, to 89.2 in 1928, and then decreased to an index of 88.8 in 1930.

Average earnings per hour increased from an index of 92.0 in 1910 to 93.9 in 1911, decreased to 92.6 in 1912, and then increased from year to year to 232.0 in 1920, dropped to 207.9 in 1922, and again increased from year to year to 220.3 in 1928, and then dropped to 212.0 in 1930.

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 from year to year to 203.7 in 1920, decreased to 184.7 in 1922, and again increased from year to year to 196.6 in 1928, and then dropped to 188.5 in 1930. Full-time earnings per week did not increase nor 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.

BOOT AND SHOE INDUSTRY, 1910 TO 1930

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, 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 (1913=100.0)		
							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	55.3	.292	16.37	102.4	93.9	95.8
	1912	81	19,405	55.5	.288	15.91	100.9	92.6	93.2
	1913	88	19,911	55.0	.311	17.08	100.0	100.0	100.0
	1914	91	18,567	54.6	.314	17.11	99.3	101.0	100.2
All occupations.....	1914	91	49,376	54.7	.243	18.26	99.1	107.5	106.6
	1916	186	60,592	54.6	.259	14.11	94.9	139.7	132.5
	1918	143	58,321	52.3	.336	17.54	98.2	232.0	203.7
	1920	117	51,247	48.6	.459	26.97	88.4	207.9	184.7
	1922	104	47,361	43.7	.501	24.45	88.9	214.1	190.9
	1924	106	45,460	49.0	.516	25.28	89.2	220.3	196.6
	1926	154	52,697	49.0	.528	26.87	89.2	212.0	188.5
	1928	157	48,658	49.1	.530	26.02	88.8	212.0	188.5
	1930	161	55,158	48.9	.510	24.94	88.8	212.0	188.5

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	2,056	55.2	.313	17.50	103.1	89.2	91.9
	1912	71	1,995	55.0	.322	17.53	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	2,855	53.9	.376	20.12	98.9	105.8	105.6
	1918	134	2,319	52.0	.484	25.06	95.4	137.9	131.5
	1920	91	2,050	47.8	.529	40.29	87.7	235.2	211.6
	1922	84	1,915	45.3	.787	38.11	88.6	224.2	200.1
	1924	88	2,009	48.4	.838	40.56	88.8	238.7	212.9
	1926	108	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
	1930	137	2,226	48.7	.796	33.77	89.4	226.8	203.5
Cutters, vamp and whole shoe, machines:									
Male.....	1910	17	335	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	102.6	101.7
	1918	66	1,202	52.2	.444	23.04	94.4	137.5	129.7
	1920	66	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	64	777	49.9	.687	34.28	90.2	212.7	192.9
	1926	64	782	49.4	.658	32.51	89.3	203.7	182.9
	1928	59	682	48.7	.669	32.53	88.0	207.1	183.3
	1930	58	968	49.4	.663	32.75	89.3	205.3	184.3
Female.....	1920	10	73	53.8	.393	21.69	-----	-----	-----
	1922	8	62	52.5	.433	23.51	-----	-----	-----
	1924	4	45	53.2	.310	16.49	-----	-----	-----
	1926	15	55	49.9	.801	25.00	-----	-----	-----
	1928	10	43	50.3	.471	23.69	-----	-----	-----
	1930	8	30	49.9	.506	25.25	-----	-----	-----
Cutters, trimmings, hand (including dinkers and blockers):									
Male.....	1920	87	894	48.0	.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	-----	-----	-----
	1930	101	671	48.9	.509	24.50	-----	-----	-----

\* 2 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 1930.

## WAGES AND HOURS OF LABOR

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

## CUTTING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Cutters, trimmings, hand—Contd.</b>									
<i>Female</i> .....									
	1920	11	38	50.1	\$0.284	\$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			
	1930	10	22	49.0	.406	19.85			
<b>Cutters, trimmings, machine:</b>									
<i>Male</i> .....									
	1920	37	163	49.1	.425	21.20			
	1922	30	116	50.3	.398	20.05			
	1924	42	157	50.3	.400	20.12			
	1926	47	173	49.8	.439	21.85			
	1928	50	259	49.9	.436	21.76			
	1930	50	225	50.3	.467	23.49			
<i>Female</i> .....									
	1920	12	66	50.7	.273	13.77			
	1922	7	37	49.8	.323	16.29			
	1924	10	47	49.9	.280	13.97			
	1926	18	74	49.0	.378	18.52			
	1928	9	36	49.4	.372	18.38			
	1930	21	87	49.0	.411	20.14			
<b>Skivers, upper:</b>									
<i>Male</i> .....									
	1910	12	74	54.7	.288	15.80	100.4	96.3	97.4
	1911	26	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	83.4	141.5	132.8
	1920	29	87	48.1	.596	28.38	88.3	194.2	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	98	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
	1930	36	104	48.3	.651	31.44	88.6	217.7	193.7
<i>Female</i> .....									
	1910	49	338	57.0	.175	9.94	104.4	88.7	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	99.9
	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	188.1
	1924	89	474	49.0	.472	23.12	89.7	225.8	208.3
	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
	1930	121	664	48.8	.447	21.81	89.4	213.9	191.7
<b>Cutters, linings, hand:</b>									
<i>Male</i> .....									
	1920	58	233	47.8	.665	32.88			
	1922	66	229	48.0	.684	32.82			
	1924	73	265	48.4	.665	28.31			
	1926	85	373	49.1	.642	31.52			
	1928	91	338	48.7	.649	31.61			
	1930	101	466	48.6	.630	30.62			
<i>Female</i> .....									
	1926	6	42	48.9	.807	15.01			
	1928	3	6	49.7	.416	20.68			
<b>Cutters, linings, machine:</b>									
<i>Male</i> .....									
	1920	48	111	49.2	.661	37.82			
	1922	42	98	49.6	.652	37.58			
	1924	48	133	49.2	.677	38.29			
	1926	54	197	48.0	.623	25.63			
	1928	54	179	48.2	.666	27.85			
	1930	57	350	48.3	.481	23.67			
<i>Female</i> .....									
	1928	4	7	49.7	.834	16.60			
	1930	6	21	49.7	.804	19.68			

BOOT AND SHOE INDUSTRY, 1910 TO 1930

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

SOLE LEATHER DEPARTMENT

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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Outters, outsole:</b>									
<b>Male</b> .....	1910	31	143	56.6	\$0.274	\$15.44	102.2	90.4	92.5
	1911	36	145	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	.405	21.02	94.0	133.7	125.9
	1920	60	331	48.4	.716	34.79	87.4	233.3	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
	1930	48	293	48.6	.744	36.16	87.7	245.5	216.7
<b>Outters, insole:</b>									
<b>Male</b> .....	1920	40	184	48.4	.694	33.55			
	1922	43	193	48.3	.680	32.77			
	1924	38	208	48.4	.709	34.32			
	1926	43	217	48.3	.640	31.23			
	1928	54	340	49.2	.644	31.68			
	1930	49	353	49.0	.608	29.79			
<b>Rounders, outsole or insole:</b>									
<b>Male</b> .....	1920	73	161	48.3	.576	28.21			
	1922	76	158	48.0	.563	27.48			
	1924	80	153	49.1	.591	29.02			
	1926	103	182	49.1	.629	30.88			
	1928	89	166	49.3	.627	31.22			
	1930	96	187	49.3	.622	30.66			
<b>Female</b> .....	1920	3	12	48.5	.411	19.90			
	1922	4	5	48.3	.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	189	56.3	.296	16.61	101.6	88.9	90.3
	1911	57	157	56.3	.289	16.21	101.6	86.8	88.0
	1912	72	200	55.9	.298	16.62	100.9	89.5	90.2
	1913	75	196	55.4	.333	18.42	100.0	100.0	100.0
	1914	77	213	55.2	.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	48.3	.696	34.23	88.1	209.0	185.6
	1922	89	198	49.3	.649	32.02	89.0	194.9	173.3
	1924	86	207	49.1	.669	32.85	88.6	200.9	178.3
	1926	100	199	48.9	.709	34.67	88.3	212.9	188.2
	1928	93	193	49.5	.691	33.71	89.4	204.5	183.0
	1930	98	198	49.3	.685	33.32	89.0	206.0	183.6
<b>Outters, top and heel lifts, machine:</b>									
<b>Male</b> .....	1920	47	232	49.0	.513	24.95			
	1922	43	264	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			
	1930	25	211	48.3	.554	27.04			
<b>Heel builders, hand:</b>									
<b>Male</b> .....	1920	15	58	50.1	.368	28.44			
	1922	15	49	50.4	.495	24.74			
	1924	14	31	50.1	.506	24.35			
	1926	10	18	49.3	.453	24.05			
	1928	11	32	51.6	.389	20.02			
	1930	3	39	48.3	.541	26.13			
<b>Female</b> .....	1920	3	60	44.3	.415	19.40			
	1922	3	34	48.0	.429	20.46			
	1924	7	30	48.6	.477	23.15			
	1926	3	19	53.0	.500	25.00			
	1928	3	23	52.0	.408	20.96			
	1930	9	44	48.3	.494	23.69			

## WAGES AND HOURS OF LABOR

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

## SOLE LEATHER DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Heel builders, machine (including compressors):</b>									
<b>Male.....</b>									
	1920	37	90	49.2	\$0.470	\$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			
	1930	26	66	50.0	.483	24.15			
<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	22.48			
	1928	13	124	48.1	.453	21.79			
	1930	16	138	48.8	.418	20.40			

## FITTING OR STITCHING DEPARTMENT

<b>Stampers, linings or uppers (including markers):</b>									
<b>Male.....</b>									
	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			
	1930	18	32	50.4	.352	17.74			
<b>Female.....</b>									
	1920	61	281	48.0	.393	19.02			
	1922	60	426	48.6	.369	17.37			
	1924	62	444	46.6	.380	17.71			
	1926	121	670	48.8	.386	18.84			
	1928	123	570	48.9	.400	19.56			
	1930	129	728	48.6	.382	18.64			
<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters):</b>									
<b>Male.....</b>									
	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	29.38			
	1930	21	58	47.7	.537	25.61			
<b>Female.....</b>									
	1920	107	1,133	48.6	.353	17.29			
	1922	69	613	48.5	.337	16.36			
	1924	65	1,031	49.1	.328	16.10			
	1926	115	1,426	49.3	.340	16.76			
	1928	124	1,318	49.3	.330	16.27			
	1930	130	1,636	48.9	.335	16.38			
<b>Folders, hand and machine:</b>									
<b>Male.....</b>									
	1922	5	20	47.8	.715	33.42			
	1924	6	38	47.8	.709	33.54			
	1926	10	61	45.0	.957	43.07			
	1928	11	51	45.4	.808	36.68			
	1930	10	70	44.7	1.036	46.31			
<b>Female.....</b>									
	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			
	1930	130	1,208	48.6	.388	18.86			
<b>Perforators:</b>									
<b>Male.....</b>									
	1920	16	22	48.5	.510	24.44			
	1922	28	60	49.0	.452	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			
	1930	18	41	47.8	.616	29.44			



BOOT AND SHOE INDUSTRY, 1910 TO 1930

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TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

FITTING OR STITCHING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Perforators—Continued.</b>									
Female.....	1920	82	218	48.2	\$0.484	\$21.19			
	1922	84	422	48.3	.444	21.43			
	1924	90	295	49.4	.430	21.24			
	1926	102	372	49.5	.441	21.83			
	1928	96	269	49.4	.424	20.95			
	1930	99	272	49.1	.430	21.11			
<b>Tip stitchers:</b>									
Female.....	1911	36	134	55.8	.205	11.38	102.0	93.6	95.3
	1912	79	335	54.9	.206	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	23.28	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
	1930	58	300	48.7	.432	21.04	89.0	197.3	176.2
<b>Closers or seamers:</b>									
Male.....	1920	10	19	47.6	.628	30.72			
	1922	8	13	48.2	.487	22.88			
	1924	6	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	.896	19.48			
	1922	92	409	49.1	.870	18.23			
	1924	98	383	49.3	.897	19.57			
	1926	119	418	49.3	.403	19.87			
	1928	117	379	49.5	.407	20.15			
	1930	122	398	49.0	.404	19.80			
<b>Seam rubbers, hand and machine:</b>									
Male.....	1920	16	26	48.7	.404	19.23			
	1922	18	26	47.6	.348	16.48			
	1924	16	20	48.4	.407	19.70			
	1926	14	21	48.1	.481	23.14			
	1928	13	20	48.0	.408	19.58			
	1930	11	18	47.4	.409	19.39			
Female.....	1920	69	157	49.1	.804	18.21			
	1922	49	99	49.5	.302	14.79			
	1924	53	88	47.8	.323	15.44			
	1926	62	100	48.9	.341	16.67			
	1928	50	108	49.3	.346	17.06			
	1930	75	159	49.4	.333	16.45			
<b>Lining makers (including lining closers and side and top facing stitchers):</b>									
Male.....	1930	6	12	47.5	.716	34.01			
Female.....	1910	53	685	56.5	.164	9.19	103.5	86.3	86.5
	1911	72	721	55.5	.166	9.28	103.5	87.4	89.4
	1912	80	784	55.0	.170	9.31	101.7	89.5	89.7
	1913	80	854	54.6	.190	10.38	100.0	100.0	100.0
	1914	94	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	198.9	177.3
	1922	97	1,065	48.8	.362	17.71	89.4	190.5	170.6
	1924	109	1,012	49.3	.369	18.19	90.3	194.2	175.3
	1926	124	1,170	49.3	.413	20.36	90.3	217.4	196.1
	1928	129	1,040	49.2	.398	19.68	90.1	209.5	188.6
	1930	137	1,078	48.8	.393	19.28	89.4	207.9	185.7
<b>Closers-on:</b>									
Female.....	1910	49	262	57.1	.178	10.15	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	93.8	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

## WAGES AND HOURS OF LABOR

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

## FITTING OR STITCHING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Closers-on—Continued.</b>									
Female.....	1916	83	360	53.6	\$0.204	\$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	.353	17.98	80.8	184.5	170.8
	1922	35	129	50.2	.304	19.88	82.3	203.1	183.8
	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	.332	18.76	90.3	196.9	178.2
	1930	25	57	49.9	.366	18.26	91.7	188.7	173.4
<b>Top stitchers (including undertrimmers and barber trimmers):</b>									
Male.....	1920	16	57	48.0	.639	30.74	-----	-----	-----
	1922	19	64	48.1	.657	31.59	-----	-----	-----
	1924	21	78	47.9	.675	32.33	-----	-----	-----
	1926	27	90	47.1	.773	36.41	-----	-----	-----
	1928	30	132	47.9	.830	39.76	-----	-----	-----
	1930	32	113	47.2	.787	37.15	-----	-----	-----
Female.....	1910	53	721	56.3	.188	10.60	103.1	89.5	93.2
	1911	73	911	56.9	.184	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	103.0	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	51.0	.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	205.2	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
	1930	132	1,648	49.1	.419	20.57	89.9	199.5	179.3
<b>Binders (including top banders):</b>									
Male.....	1930	11	38	46.9	.895	41.98	-----	-----	-----
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	-----	-----	-----
	1930	105	615	48.9	.439	21.47	-----	-----	-----
<b>Buttonhole makers:</b>									
Female.....	1911	33	108	56.3	.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
	1930	34	42	49.4	.390	19.27	90.3	201.0	181.8
<b>Button fasteners:</b>									
Female.....	1911	26	55	56.4	.167	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	.190	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	58.8	.211	11.82	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
	1930	50	117	48.7	.334	16.27	88.9	167.8	148.6

BOOT AND SHOE INDUSTRY, 1910 TO 1930

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TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

FITTING OR STITCHING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Eyeteleers (including bookers):</b>									
<b>Male</b> .....	1920	81	78	48.4	\$0.582	\$28.08			
	1922	31	73	48.3	.514	24.64			
	1924	38	68	49.2	.578	28.44			
	1926	39	74	49.0	.557	27.29			
	1928	36	69	48.8	.588	28.69			
	1930	46	79	48.7	.503	24.50			
<b>Female</b> .....	1918	92	223	51.7	.268	18.64			
	1920	92	232	48.7	.442	21.61			
	1922	71	160	49.2	.415	20.28			
	1924	69	119	49.1	.444	21.80			
	1926	66	128	48.7	.473	23.04			
	1928	62	110	49.7	.435	21.62			
	1930	71	135	49.4	.408	20.16			
<b>Vampers:</b>									
<b>Male</b> .....	1910	83	263	55.5	.263	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	97.6
	1916	82	624	54.6	.333	18.14	99.6	104.1	103.8
	1918	83	573	51.5	.442	22.78	94.0	138.1	130.1
	1920	85	400	47.0	.700	33.85	87.4	218.8	193.8
	1922	82	387	47.8	.628	30.09	87.2	198.2	172.2
	1924	49	304	48.2	.707	34.08	85.0	220.9	195.1
	1926	63	294	48.2	.741	35.72	88.0	231.6	204.5
	1928	54	370	48.2	.727	35.04	88.0	227.2	200.6
	1930	64	347	48.2	.672	32.39	88.0	210.0	188.4
<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	1,038	55.1	.230	12.69	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	1,333	53.9	.254	13.66	98.5	103.3	101.6
	1918	132	1,477	51.7	.312	16.11	94.8	126.8	119.8
	1920	111	1,318	48.8	.506	25.09	89.2	203.7	186.5
	1922	98	1,142	49.0	.490	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
	1930	125	1,164	49.1	.466	22.83	89.8	189.0	169.7
<b>Barrers (including tackers):</b>									
<b>Female</b> .....	1920	69	138	48.5	.398	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	67	49.5	.393	19.45			
	1930	36	66	49.5	.395	19.55			
<b>Tongue stitchers:</b>									
<b>Female</b> .....	1920	69	194	48.8	.343	16.95			
	1922	63	205	48.7	.352	17.75			
	1924	62	159	49.0	.413	20.24			
	1926	68	223	48.8	.401	19.57			
	1928	65	203	49.0	.386	18.91			
	1930	78	267	49.0	.371	18.18			
<b>Fancy stitchers:</b>									
<b>Male</b> .....	1926	16	46	47.4	.763	36.17			
	1928	20	135	47.2	.778	36.72			
	1930	32	163	46.7	.834	38.95			
<b>Female</b> .....	1920	43	179	47.7	.459	22.50			
	1922	75	764	48.6	.444	21.54			
	1924	86	1,467	49.1	.481	22.14			
	1926	112	2,398	49.4	.452	22.33			
	1928	124	3,534	49.4	.423	20.60			
	1930	133	3,265	49.1	.400	19.64			

## WAGES AND HOURS OF LABOR

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

## FITTING OR STITCHING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Backstay stitchers (including back strappers):</b>									
Female.....	1910	49	307	56.6	\$0.177	\$9.95	103.5	90.8	98.7
	1911	67	392	56.5	.185	10.42	103.3	94.9	98.1
	1912	78	426	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	575	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	218.8	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	20.67	89.8	214.9	193.7
	1930	82	317	49.1	.393	19.30	89.8	201.5	181.7
<b>Table workers:</b>									
Female.....	1920	47	332	47.3	.327	15.78			
	1922	88	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			
	1930	113	972	48.4	.314	15.20			
<b>Loosers (before lasting):</b>									
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	18.30			
	1930	87	152	49.1	.355	17.43			

## LASTING DEPARTMENT

<b>Last pickers or sorters (including last casers):</b>									
Male.....	1920	72	371	48.3	\$0.456	\$22.05			
	1922	81	238	48.8	.426	20.78			
	1924	85	262	48.3	.455	21.98			
	1926	108	291	49.2	.491	24.16			
	1928	108	245	49.3	.477	23.52			
	1930	112	308	49.0	.466	22.79			
<b>Assemblers, for pulling-over machine:</b>									
Male.....	1911	17	218	55.4	.274	15.14	100.0	100.7	100.9
	1912	80	542	55.8	.238	13.21	100.7	87.5	88.0
	1913	84	597	55.4	.272	15.01	100.0	100.0	100.0
	1914	64	708	55.3	.270	15.37	99.8	102.6	102.4
	1916	97	801	55.0	.291	16.02	99.3	107.0	108.7
	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	.507	27.94	88.4	208.5	186.1
	1924	81	421	49.3	.554	27.31	89.0	203.7	181.9
	1926	118	541	49.1	.596	29.26	88.6	219.1	194.9
	1928	116	537	49.0	.577	28.27	88.4	212.1	183.3
	1930	125	624	49.0	.568	27.83	88.4	208.8	183.4
Female.....	1920	23	77	48.5	.500	24.20			
	1922	15	53	49.6	.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			
	1930	9	32	49.4	.462	22.33			

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

LASTING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Fullers-over, hand:</b>									
Male.....	1910	85	784	56.4	\$0.291	\$16.38	102.0	87.4	89.2
	1911	45	897	56.3	.312	17.50	101.8	93.7	95.3
	1912	52	1,036	55.3	.316	17.41	100.0	94.9	94.3
	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	54.3	.347	18.99	99.1	104.2	103.4
	1918	35	344	51.7	.478	24.62	93.5	143.5	134.0
	1920	26	211	47.0	.803	38.17	85.0	241.1	207.3
	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	49.4	.710	34.36	87.5	213.2	187.0
	1930	9	22	49.3	.683	33.67	89.2	203.1	183.3
<b>Fullers-over, machine:</b>									
Male.....	1910	31	261	57.4	.320	18.37	108.6	91.2	94.6
	1911	43	328	56.1	.325	18.18	101.3	92.6	93.6
	1912	60	402	55.3	.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	101.0
	1916	116	640	55.0	.377	20.70	99.3	107.4	101.2
	1918	124	612	52.6	.512	29.77	94.9	145.9	105.6
	1920	101	562	48.3	.837	41.08	83.1	238.5	197.8
	1922	91	534	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	579	49.3	.766	37.69	88.3	218.2	194.1
	1928	120	537	49.2	.740	36.41	88.3	210.3	187.5
	1930	130	603	49.1	.715	35.11	88.6	203.7	180.3
<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	99.5	101.7	101.3
	1916	40	359	54.1	.325	17.57	99.3	107.3	107.1
	1918	43	394	51.9	.440	22.74	95.3	145.2	133.7
	1920	42	445	48.2	.708	35.35	83.9	233.7	215.5
	1922	31	362	47.3	.614	29.26	83.2	202.6	178.5
	1924	40	388	48.1	.690	33.19	83.7	227.7	202.4
	1926	38	287	47.8	.740	35.37	83.2	244.2	215.7
	1928	31	128	48.2	.690	33.26	83.9	227.7	202.3
	1930	23	143	49.3	.637	31.40	91.9	210.2	191.5
<b>Side lasters, machine:</b>									
Male.....	1913	16	153	53.1	.323	16.33	100.0	100.0	100.0
	1914	16	167	54.3	.343	18.54	96.3	106.2	101.7
	1916	45	291	54.9	.339	18.53	97.9	103.0	101.6
	1918	37	292	52.2	.468	24.35	93.0	144.9	133.6
	1920	31	322	48.9	.772	37.68	87.2	239.0	206.7
	1922	26	338	49.3	.620	30.79	87.9	192.0	168.9
	1924	34	402	49.5	.617	30.54	88.2	191.0	167.5
	1926	93	616	49.5	.675	33.41	83.3	209.0	183.3
	1928	104	660	49.3	.661	32.59	87.9	204.6	178.3
	1930	117	736	49.0	.663	32.49	87.3	203.3	178.2
<b>Bed-machine operators:</b>									
Male.....	1910	35	513	56.4	.311	17.50	102.2	94.2	96.1
	1911	34	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	53.1	.321	17.68	99.3	97.3	97.1
	1916	93	1,336	53.0	.349	19.13	99.6	105.3	103.1
	1918	104	1,303	52.1	.500	25.98	94.4	151.5	142.7
	1920	93	1,252	48.7	.789	38.61	83.2	239.1	212.0
	1922	86	1,167	48.9	.668	32.78	83.6	202.4	180.0
	1924	92	1,082	49.1	.692	33.98	83.9	206.7	186.6
	1926	121	1,279	49.1	.700	34.37	83.9	212.1	188.7
	1928	117	1,207	49.2	.682	33.55	83.1	208.7	184.2
	1930	130	1,478	49.1	.637	32.26	83.0	199.1	177.3
<b>Hand-method lasting machine operators:</b>									
Male.....	1910	33	325	57.4	.306	17.49	103.3	85.7	83.7
	1911	39	477	57.0	.316	17.96	103.1	86.3	81.1
	1912	39	478	55.3	.324	18.03	100.9	90.3	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	97.3	97.6

## WAGES AND HOURS OF LABOR

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

## LASTING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Hand-method lasting machine operators—Continued.</b>									
<b>Male</b> .....	1916	66	556	55.1	\$0.361	\$19.82	99.6	101.0	100.6
	1918	59	411	52.9	.479	2K.22	95.7	134.2	127.9
	1920	30	213	48.9	.795	39.06	88.4	222.7	186.1
	1922	27	178	49.3	.734	35.88	89.2	205.9	184.5
	1924	12	97	48.5	.694	35.66	87.7	194.4	170.7
	1926	14	68	48.9	.700	34.23	88.4	186.1	173.6
	1928	9	101	47.2	.856	40.40	85.4	239.8	204.9
	1930	19	74	48.4	.678	33.25	89.3	183.5	168.6
<b>Turn lasters, hand (including first and second lasters):</b>									
<b>Male</b> .....	1912	29	452	55.6	.276	15.25	101.0	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	103.2
	1916	42	974	54.8	.365	20.07	99.8	117.7	118.1
	1918	35	752	58.8	.453	24.54	97.8	146.1	143.2
	1920	35	696	47.1	.880	42.49	85.6	283.9	249.9
	1922	30	571	48.5	.732	35.76	83.2	236.1	210.4
	1924	31	496	48.2	.790	38.08	87.6	254.8	224.0
	1926	35	728	47.7	.879	41.59	86.7	280.6	244.1
	1928	31	705	47.9	.831	39.80	87.1	268.1	234.1
	1930	24	789	46.5	.789	36.27	84.5	261.6	213.4
<b>Turn lasters, machine:</b>									
<b>Male</b> .....	1920	10	102	48.6	.756	37.85	.....	.....	.....
	1922	7	31	48.1	.630	30.50	.....	.....	.....
	1924	7	26	48.5	.604	29.29	.....	.....	.....
	1926	6	86	48.3	.835	40.33	.....	.....	.....
	1928	3	50	52.0	.575	29.90	.....	.....	.....
<b>Turn sewers:</b>									
<b>Male</b> .....	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	23	66	49.6	.873	43.30	.....	.....	.....
	1930	15	38	48.0	1.058	50.78	.....	.....	.....
<b>Tack pullers, hand and machine:</b>									
<b>Male</b> .....	1920	70	425	47.5	.469	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	.443	22.04	.....	.....	.....
	1930	103	315	49.0	.415	20.34	.....	.....	.....
<b>Female</b> .....	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	.....	.....	.....

## BOTTOMING DEPARTMENT

<b>Goodyear welters (including in-seamers):</b>									
<b>Male</b> .....	1910	45	275	56.2	\$0.437	\$24.49	101.6	87.2	88.7
	1911	60	392	56.0	.469	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	.674	47.51	87.9	194.4	173.2
	1922	74	375	48.4	.585	43.30	87.5	177.4	166.9
	1924	76	336	48.7	.920	45.24	85.1	185.4	163.9
	1926	92	358	48.7	.938	45.68	88.1	187.2	165.5
	1928	86	328	49.1	.890	43.61	88.8	177.6	168.0
	1930	92	377	49.0	.820	40.18	88.6	168.7	145.0

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

BOTTOMING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Welt beaters and slashers:</b>									
Male.....	1920	70	156	48.6	\$0.588	\$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			
	1930	72	152	49.1	.524	25.73			
<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			
	1930	95	198	49.3	.445	21.94			
<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			
	1930	76	176	49.2	.425	20.91			
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			
	1930	17	51	49.1	.368	18.07			
<b>Sole layers, hand and machine:</b>									
Male.....	1920	77	249	48.6	.697	33.87			
	1922	79	238	48.5	.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			
	1930	114	280	49.2	.594	29.22			
<b>Rough rounders:</b>									
Male.....	1910	44	165	53.7	.406	22.85	102.7	81.7	83.5
	1911	60	221	58.3	.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	163.9
	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
	1930	88	278	49.1	.751	36.87	88.9	151.1	134.7
<b>Channel openers and channel closers (including channel layers, channel turners, channel cementers, and lip turners):</b>									
Male.....	1920	87	260	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			
	1930	98	336	48.9	.506	24.74			
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			
	1930	28	65	48.9	.417	20.39			

## WAGES AND HOURS OF LABOR

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

## BOTTOMING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Goodyear stitchers:</b>									
Male.....	1910	45	366	56.3	\$0.374	\$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	99.3	102.8	102.8
	1916	97	656	54.8	.437	23.87	99.3	109.5	108.7
	1918	105	680	52.4	.527	27.47	94.9	132.1	125.1
	1920	88	599	48.6	.818	40.07	88.0	205.0	182.5
	1922	77	543	48.6	.755	36.67	88.0	189.2	167.0
	1924	79	505	48.8	.773	37.72	88.4	193.7	171.8
	1926	98	517	48.9	.778	37.95	88.6	194.5	172.8
	1928	89	481	48.9	.785	37.48	88.6	192.0	170.6
	1930	100	576	49.1	.727	35.70	88.9	182.2	162.6
<b>McKay sewers:</b>									
Male.....	1910	28	95	57.1	.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	35.58	88.8	222.9	200.7
	1922	39	138	50.2	.659	33.88	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
	1930	54	151	49.6	.684	33.93	89.2	214.4	191.7
<b>Stitch separators (including stitch wheelers):</b>									
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			
	1930	68	168	49.1	.491	24.11			
<b>Levelers:</b>									
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
	1930	124	390	49.1	.586	28.77	88.9	192.8	171.9
<b>Heelers, leather:</b>									
Male.....	1911	31	115	55.8	.403	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	55.8	.424	23.32	100.0	100.0	100.0
	1914	84	324	55.8	.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	.832	40.73	88.1	196.2	174.7
	1922	98	348	48.9	.759	37.15	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
	1930	99	262	49.2	.689	33.90	89.0	162.5	145.4
<b>Heelers, wood:</b>									
Male.....	1918	18	248	54.1	.477	25.61			
	1920	33	533	47.4	.896	42.92			
	1922	27	245	47.9	.706	33.54			
	1924	38	403	48.1	.690	33.19			
	1926	73	713	48.6	.623	30.16			
	1928	80	798	48.4	.829	40.95			
	1930	87	891	48.4	.746	36.11			



BOOT AND SHOE INDUSTRY, 1910 TO 1930

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

BOTTOMING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Heel trimmers or shavers:</b>									
<b>Male</b> .....	1910	55	189	56.6	\$0.410	\$23.08	102.2	91.5	93.1
	1911	71	246	56.8	.415	23.32	102.0	92.6	94.3
	1912	81	252	56.0	.420	23.39	101.0	93.8	94.5
	1913	81	277	55.4	.448	24.74	100.0	100.0	100.0
	1914	85	277	55.2	.438	23.98	99.6	95.7	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	.391	44.26	88.1	198.9	178.9
	1922	94	246	48.9	.353	38.94	83.3	190.4	153.8
	1924	96	218	49.1	.793	38.94	88.6	177.0	157.4
	1926	108	234	49.2	.736	38.21	88.8	164.3	146.4
	1928	94	198	49.3	.716	35.30	89.0	159.8	142.7
	1930	101	232	49.2	.670	32.96	88.8	149.6	133.2
<b>Heel breakers:</b>									
<b>Male</b> .....	1911	35	76	55.1	.291	16.23	101.8	98.0	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	.303	16.71	99.8	96.8	96.8
	1916	111	232	54.8	.319	17.60	98.9	101.9	101.3
	1918	113	218	52.9	.412	21.70	93.5	131.6	123.7
	1920	100	195	48.8	.721	35.38	88.1	230.4	204.9
	1922	80	161	49.2	.687	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
	1930	68	132	48.2	.586	28.25	87.0	187.2	163.6
<b>Edge trimmers:</b>									
<b>Male</b> .....	1910	55	573	55.4	.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	121	754	49.1	.764	37.51	88.6	186.3	165.5
	1930	140	895	49.1	.722	35.45	88.6	176.1	156.4
<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	.563	27.14	-----	-----	-----
	1926	30	53	49.0	.582	28.52	-----	-----	-----
	1928	31	39	49.1	.618	30.34	-----	-----	-----
	1930	39	60	48.8	.550	26.84	-----	-----	-----

FINISHING DEPARTMENT

<b>Buffers (including bottom scourers):</b>									
<b>Male</b> .....	1911	38	174	55.3	\$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	.728	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
	1930	125	364	49.1	.620	30.44	89.3	195.0	178.7
<b>Naumkeag operators:<sup>1</sup></b>									
<b>Male</b> .....	1930	71	122	68.8	.695	33.92	-----	-----	-----

<sup>1</sup> Included with "other employees" in previous years.

## WAGES AND HOURS OF LABOR

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

## FINISHING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Edge setters:</b>									
Male.....	1910	54	560	56.8	\$0.378	\$20.94	101.8	90.8	92.2
	1911	68	722	56.8	.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	99.3
	1916	181	966	54.9	.414	22.62	99.8	100.7	99.0
	1918	188	924	52.7	.525	27.67	95.8	127.7	121.6
	1920	112	845	48.7	.873	42.84	88.1	212.4	183.7
	1922	99	779	48.9	.767	37.02	88.4	184.2	163.1
	1924	102	681	49.1	.766	37.12	88.8	183.9	163.6
	1926	129	765	49.1	.766	37.61	88.8	188.4	165.7
	1928	133	738	49.1	.765	37.07	88.8	183.7	163.3
	1930	140	794	49.0	.706	34.59	88.6	171.8	152.4
<b>Heel scourers (including first and second scourers):</b>									
Male.....	1911	35	125	54.8	.291	16.12	98.9	92.7	92.9
	1912	78	842	56.0	.289	16.09	101.1	92.0	92.7
	1913	78	864	55.4	.314	17.35	100.0	100.0	100.0
	1914	84	872	55.3	.310	17.10	99.8	98.7	98.6
	1916	125	604	55.0	.346	18.94	99.8	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	202.9
	1922	97	421	48.9	.607	29.79	88.8	193.3	171.7
	1924	98	378	49.2	.621	30.65	88.8	197.8	178.1
	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
	1930	101	352	49.2	.567	27.90	88.8	180.6	160.9
<b>Heel burnishers (including stoners, expeditors, and heel slickers):</b>									
Male.....	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	.594	28.75	88.1	184.2	163.9
	1924	91	265	50.0	.584	29.20	90.1	184.2	165.5
	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
	1930	104	308	49.3	.527	25.98	88.8	166.2	148.1
Female.....	1930	5	14	49.6	.341	16.91			
<b>Bottom finishers (including bottom slickers):</b>									
Male.....	1928	104	309	48.9	.632	30.90			
	1930	123	491	48.8	.576	28.11			
Female.....	1928	2	2	48.0	.553	26.54			
	1930	18	60	49.5	.375	18.66			
<b>Brushers:</b>									
Male.....	1920	86	300	48.4	.474	22.96			
	1922	80	268	48.9	.491	21.10			
	1924	80	303	49.2	.498	24.50			
	1926	88	248	49.2	.450	22.14			
	1928	78	189	49.4	.464	22.48			
	1930	69	178	48.9	.486	21.32			
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			
	1930	22	42	49.1	.342	16.79			
<b>Shoe cleaners:</b>									
Male.....	1920	84	109	48.1	.488	23.10			
	1922	36	150	49.0	.481	21.15			
	1924	38	115	48.8	.416	20.30			
	1926	39	116	48.3	.526	25.41			
	1928	42	131	48.3	.493	23.81			
	1930	47	163	48.7	.441	21.48			

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

FINISHING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Shoe cleaners—Continued.</b>									
<i>Female</i> .....									
	1920	28	175	43.8	\$0.331	\$16.09			
	1922	33	193	43.1	.325	15.79			
	1924	38	169	43.9	.342	16.72			
	1926	29	66	43.6	.338	16.43			
	1928	26	77	49.0	.334	16.37			
	1930	47	145	49.0	.300	14.70			
<b>Last pullers, hand and machine:</b>									
<i>Male</i> .....									
	1920	97	265	43.9	.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	223	49.2	.510	25.09			
	1930	127	276	49.2	.501	24.65			
<b>Troers, hand and machine:</b>									
<i>Male</i> .....									
	1910	44	832	55.9	.259	14.42	101.1	91.5	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
	1915	124	1,652	54.9	.291	15.94	99.3	103.2	102.6
	1916	125	1,387	52.3	.403	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	1,672	49.2	.624	30.70	89.0	221.3	197.6
	1930	123	1,210	49.1	.563	27.64	88.8	199.6	177.9
<i>Female</i> .....									
	1910	8	74	57.3	.148	8.19	105.9	90.5	95.7
	1911	11	86	53.1	.145	8.32	106.4	91.8	97.2
	1912	13	108	54.4	.153	8.32	98.6	94.5	97.2
	1913	13	110	54.6	.153	8.58	100.0	100.0	100.0
	1914	16	107	52.1	.175	9.05	95.4	110.5	105.8
	1915	15	144	53.1	.188	9.63	97.3	119.0	116.0
	1916	31	211	53.3	.232	12.25	97.6	146.9	143.1
	1920	37	296	49.7	.403	19.95	91.0	255.1	233.1
	1922	35	225	49.3	.396	19.51	90.3	250.6	227.9
	1924	31	184	48.8	.431	21.03	89.4	272.3	245.7
	1926	43	302	49.0	.419	20.83	89.7	265.2	239.8
	1928	36	239	49.3	.386	19.03	90.3	244.3	222.3
	1930	42	280	48.6	.380	18.47	89.0	240.5	215.8
<b>Repairers (not cobblers) (including tip fixers and scourers):</b>									
<i>Male</i> .....									
	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	.559	27.60			
	1930	50	142	48.2	.606	29.21			
<i>Female</i> .....									
	1920	87	711	47.7	.392	18.69			
	1922	79	668	48.2	.377	18.18			
	1924	77	624	48.8	.403	19.67			
	1926	110	925	49.0	.388	19.01			
	1928	120	832	49.4	.377	18.62			
	1930	123	863	49.2	.383	18.84			
<b>Dressers:</b>									
<i>Male</i> .....									
	1920	11	16	47.6	.391	18.47			
	1922	14	18	48.6	.395	19.04			
	1924	18	30	48.8	.413	20.15			
	1926	22	49	49.0	.428	20.97			
	1928	16	24	48.5	.437	23.69			
<i>Female</i> .....									
	1920	78	353	48.3	.387	17.81			
	1922	73	283	49.0	.339	17.35			
	1924	63	223	49.4	.366	18.08			
	1926	51	317	49.1	.377	18.51			
	1928	77	290	49.3	.375	18.49			
	1930	88	322	48.9	.355	17.35			

## WAGES AND HOURS OF LABOR

TABLE 1.—Average hours and earnings, with index numbers, 1910 to 1930, by department, occupation, sex, and year—Continued

## FINISHING DEPARTMENT—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 (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Sock liners (including heel-lining, heel-pad, and heel-pin pasters):</b>									
<b>Male</b> .....									
	1920	14	30	48.8	\$0.381	\$18.70			
	1922	11	21	48.5	.378	18.25			
	1924	17	37	49.7	.307	15.25			
	1926	17	30	50.1	.380	19.04			
	1928	12	23	49.7	.433	21.52			
	1930	11	18	48.4	.463	22.41			
<b>Female</b> .....									
	1920	95	321	48.7	.374	18.18			
	1922	90	279	49.0	.365	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			
	1930	124	363	48.8	.374	18.25			
<b>Lacers (before packing):</b>									
<b>Male</b> .....									
	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			
<b>Female</b> .....									
	1920	89	304	48.7	.323	15.64			
	1922	82	235	48.9	.304	14.81			
	1924	71	201	49.1	.363	18.07			
	1926	86	194	48.9	.326	15.94			
	1928	90	204	49.2	.320	15.74			
	1930	95	214	49.3	.331	16.32			
<b>Packers:</b>									
<b>Male</b> .....									
	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	21.89			
	1928	18	31	49.6	.443	21.97			
	1930	26	71	48.8	.441	21.52			
<b>Female</b> .....									
	1920	100	503	48.8	.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			
	1930	122	457	48.8	.379	18.50			

## ALL DEPARTMENTS

<b>Other employees:</b>									
<b>Male</b> .....									
	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	156	9,070	49.0	.513	25.14			
	1930	162	9,073	48.8	.500	24.40			
<b>Female</b> .....									
	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			
	1930	151	5,032	48.9	.351	17.16			

**AVERAGE HOURS AND EARNINGS, 1928 AND 1930, BY SEX AND STATE**

Table 2 shows 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 the wage earners covered in each State in 1928 and in 1930.

The purpose of this table is to make easy the comparison of the 1930 averages for any State with those for 1928, and also the averages for any one State in either year with the averages for any other State. Average earnings per hour of males were more in 3 and less in 10 States in 1930 than in 1928; of females were more in 5 and less in 8 States in 1930 than in 1928; and of both sexes combined were more in 3 and less in 10 States in 1930 than in 1928.

Average full-time hours per week of males in the various States in the table ranged in 1930 from 45.9 for the State with the lowest to 52.9 for the one with the highest average, and in 1928 from 46.8 to 53.1; of females ranged from 46.5 to 53.1 in 1930 and from 47.6 to 53.2 in 1928; and of males and females combined, or the industry, ranged from 46.1 to 53.0 in 1930 and from 47.1 to 53.1 in 1928. The averages of males in all States combined were 48.8 in 1930 and 49.0 in 1928, and of females were 48.9 in 1930 and 49.2 in 1928, thus showing slightly shorter hours for each sex in 1930 than in 1928.

Average earnings per hour of males in the different States included in the table ranged in 1930 from 43.4 to 71.1 cents and in 1928 from 50.6 to 72.3 cents; of females ranged from 26.8 to 48.3 cents in 1930 and from 28.8 to 47.3 cents in 1928; and of both sexes combined or the industry ranged from 35.3 to 62.8 cents in 1930 and from 41.4 to 62.6 cents in 1928. The averages of males in all States were 60.4 cents in 1930 and 62.5 cents in 1928, and of females in all States were 38.2 cents in 1930 and 39.7 cents in 1928, or slightly less in 1930 for each sex than in 1928.

Average full-time earnings per week of males ranged by States from \$22.74 to \$32.63 in 1930 and from \$25.04 to \$34.78 in 1928; of females ranged from \$13.78 to \$22.46 in 1930 and from \$14.08 to \$22.66 in 1928; and of males and females combined ranged from \$18.46 to \$28.95 in 1930 and from \$20.70 to \$30.11 in 1928. The averages of males in all States were \$29.48 in 1930 and \$30.63 in 1928, and of females in all States were \$18.68 in 1930 and \$19.53 in 1928.

## WAGES AND HOURS OF LABOR

TABLE 2.—Average hours and earnings, 1928 and 1930, by sex and State

Sex and State	Number of establishments		Number of wage earners		Average full-time hours per week		Average earnings per hour		Average full-time earnings per week	
	1928	1930	1928	1930	1928	1930	1928	1930	1928	1930
<b>MALES</b>										
Illinois.....	9	6	2,071	1,808	49.5	48.8	\$0.613	\$0.624	\$30.84	\$30.48
Kentucky <sup>1</sup> .....		3		386		52.4		.434		22.74
Maine.....	6	7	1,428	1,277	53.1	52.9	.516	.511	27.40	27.08
Maryland and Virginia.....	8	7	1,033	946	49.0	48.8	.511	.490	25.04	23.91
Massachusetts.....	50	56	7,096	8,725	48.1	48.2	.723	.671	34.78	32.34
Michigan.....	4	4	198	346	49.6	49.6	.558	.554	27.68	27.48
Minnesota.....	4	4	300	347	50.1	50.0	.506	.498	25.35	24.90
Missouri.....	11	11	3,506	3,730	49.6	49.0	.549	.548	27.23	26.85
New Hampshire.....	10	9	1,761	1,718	49.2	49.0	.575	.505	28.20	24.75
New Jersey.....	4	3	467	327	46.8	45.9	.657	.711	30.75	32.63
New York.....	21	19	5,388	6,210	47.9	47.6	.670	.666	32.09	31.70
Ohio.....	7	7	1,877	1,677	49.9	48.2	.607	.590	30.29	28.44
Pennsylvania.....	12	12	1,813	1,873	50.0	51.1	.642	.612	27.10	26.16
Tennessee <sup>1</sup> .....		4		503		51.8		.440		22.79
Wisconsin.....	11	9	1,374	1,676	49.4	49.7	.597	.602	29.49	29.92
<b>Total</b> .....	<b>167</b>	<b>161</b>	<b>23,312</b>	<b>31,549</b>	<b>49.0</b>	<b>48.8</b>	<b>.625</b>	<b>.604</b>	<b>30.63</b>	<b>29.48</b>
<b>FEMALES</b>										
Illinois.....	9	6	2,052	1,785	50.1	49.1	.367	.376	18.89	18.46
Kentucky <sup>1</sup> .....		8		379		52.2		.273		14.25
Maine.....	6	7	1,119	1,130	53.2	53.1	.375	.360	19.95	19.12
Maryland and Virginia.....	8	7	604	605	48.9	48.8	.288	.311	14.08	15.18
Massachusetts.....	40	48	4,673	6,197	47.9	47.9	.473	.446	22.66	21.36
Michigan.....	4	4	130	257	49.6	49.6	.325	.318	16.12	15.77
Minnesota.....	4	4	254	285	50.0	49.9	.303	.321	15.15	16.02
Missouri.....	10	11	2,450	2,824	49.8	49.2	.336	.321	16.73	15.79
New Hampshire.....	10	9	1,311	1,437	49.3	49.1	.393	.349	19.87	17.14
New Jersey.....	4	3	266	189	47.6	46.5	.439	.483	20.90	22.46
New York.....	20	19	3,556	3,864	48.5	48.4	.430	.411	20.86	19.89
Ohio.....	7	7	1,574	1,597	49.8	48.0	.355	.361	17.68	17.33
Pennsylvania.....	10	11	1,181	1,146	49.7	50.0	.343	.331	17.05	16.55
Tennessee <sup>1</sup> .....		4		456		51.4		.268		13.78
Wisconsin.....	11	9	1,176	1,458	48.7	49.1	.412	.409	20.06	20.08
<b>Total</b> .....	<b>144</b>	<b>162</b>	<b>20,346</b>	<b>23,609</b>	<b>49.2</b>	<b>48.9</b>	<b>.397</b>	<b>.382</b>	<b>19.53</b>	<b>18.68</b>
<b>MALES AND FEMALES</b>										
Illinois.....	9	6	4,123	3,593	49.8	49.0	.491	.499	24.45	24.45
Kentucky <sup>1</sup> .....		8		765		52.3		.353		18.46
Maine.....	6	7	2,547	2,407	53.1	53.0	.455	.442	24.16	23.43
Maryland and Virginia.....	8	7	1,637	1,551	48.9	48.8	.428	.418	20.93	20.40
Massachusetts.....	50	56	11,769	14,922	48.1	48.1	.626	.579	30.11	27.85
Michigan.....	4	4	328	603	49.6	49.6	.469	.456	23.26	22.62
Minnesota.....	4	4	554	632	50.0	49.9	.414	.422	20.70	21.06
Missouri.....	11	11	5,956	6,554	49.7	49.1	.462	.451	22.96	22.14
New Hampshire.....	10	9	3,072	3,155	49.2	49.0	.498	.437	24.50	21.41
New Jersey.....	4	3	733	516	47.1	46.1	.579	.628	27.27	28.95
New York.....	21	19	8,944	10,074	48.1	47.9	.575	.569	27.66	27.26
Ohio.....	7	7	3,451	3,274	49.8	48.1	.489	.477	24.35	22.94
Pennsylvania.....	12	12	2,994	3,019	49.9	50.7	.465	.443	23.20	22.45
Tennessee <sup>1</sup> .....		4		959		51.6		.359		18.52
Wisconsin.....	11	9	2,550	3,184	49.1	49.4	.514	.513	25.24	25.34
<b>Total</b> .....	<b>167</b>	<b>161</b>	<b>48,658</b>	<b>55,158</b>	<b>49.1</b>	<b>48.9</b>	<b>.530</b>	<b>.510</b>	<b>26.02</b>	<b>24.94</b>

<sup>1</sup> No data for this State prior to 1930.

AVERAGE AND CLASSIFIED EARNINGS PER HOUR, 1913 TO 1930, BY  
OCCUPATION AND SEX

Average and classified earnings per hour are presented in Table 3 for the wage earners in each of 14 important occupations of the industry for each of the specified years from 1913 to 1930 for which data are available. The 1930 figures in the table are for 9,356 males in 13, and for 7,362 females in 8 of the 14 occupations. There were no males in 1 and no females in 6 of the 14 occupations. The males in these occupations are 30 per cent of the males in all occupations; the females are 31 per cent of the females; and the males and females together are 30.3 per cent of the total number of wage earners included in the study of the industry in 1930.

The 14 occupations were selected from the various departments to illustrate the variation in the trend and spread of average earnings per hour of males and of females in all occupations in the industry. For a like distribution, by *number*, of the wage earners in each of these occupations in each State in 1930, see Table B, page 72.

In 1913 the 1,987 cutters, vamp and whole shoe, hand, male—the first occupation in the table—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 when approximately 7 per cent earned less than 50 cents per hour. The average for the 2,226 males in this occupation in 1930 was 79.6 cents, when about 9 per cent of them earned less than 50 cents per hour, 11 per cent earned 50 and under 60 cents, 13 per cent earned 60 and under 70 cents, 15 per cent earned 70 and under 80 cents, 22 per cent earned 80 and under 90 cents, 12 per cent earned 90 cents and under \$1.00, 13 per cent earned \$1.00 and under \$1.20, 4 per cent earned \$1.20 and under \$1.40, and 1 per cent earned \$1.40 and over per hour.

TABLE 3.—Average and classified earnings per hour in 14 specified occupations, 1913 to 1930, by department, sex, and year

## CUTTING DEPARTMENT

Occupation and sex	Year	Number of establishments	Number of wage earners	Average earnings per hour	Per cent of employees whose earnings per hour were—																						
					Under 12 cents	12 and under 16 cents	16 and under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 40 cents	40 and under 50 cents	50 and under 60 cents	60 and under 70 cents	70 and under 80 cents	80 and under 90 cents	90 cents and under \$1	\$1 and under \$1.20	\$1.20 and under \$1.40	\$1.40 and over								
Cutters, vamp and whole shoe, hand: Male.....	1913	71	1,987	\$0.351	(1)	2	8	15	53	17	8																
	1914	75	1,812	.360	(1)	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	8														
	1920	91	2,050	.829				(1)	(1)	2	5																
	1922	84	1,915	.787				(1)	(1)	3	7																
	1924	88	2,009	.838				(1)	(1)	1	4																
	1926	108	2,129	.808				(1)	(1)	2	6																
	1928	110	1,777	.824				(1)	(1)	2	6																
	1930	127	2,226	.798				(1)	(1)	3	6																
	Skivers, upper: Male.....	1913	32	134	.299		4	6	9	25	46	7	8														
		1914	29	116	.299		3	9	7	13	58	9	1														
		1916	32	124	.311	2	3	2	9	15	57	7	14														
1918		23	96	.423			2	1	5	49	22	7	7														
1920		29	87	.576			1	2	6	11	9	34	7														
1922		31	77	.595				3		14	9	39	7														
1924		20	100	.619				2	3	16	17	9	34	7													
1926		37	96	.668			1	1	2	11	14	9	21	7													
1928		34	98	.653				1	5	8	9	20	28	6													
1930		36	104	.651	1		2	1	1	12	15	11	20	10													
Female.....		1913	67	439	.209	5	13	28	31	15	7	1															
		1914	77	446	.209	4	15	20	27	16	7	1															
		1916	113	591	.209	6	17	26	27	13	10	1															
	1918	121	697	.267	1	0	15	27	18	28	5	1															
	1920	165	611	.434	(1)		2	3	12	30	22	18	6														
	1922	94	539	.430	(1)		1	5	11	30	23	19	5														
	1924	89	474	.472	(1)		1	6	7	19	20	19	14														
	1926	113	552	.486	(1)	(1)		3	6	26	26	21	18														
	1928	110	541	.458		2		4	9	23	27	19	10														
	1930	121	664	.447	(1)	(1)	1	5	11	25	24	19	10														



**FITTING AND STITCHING DEPARTMENT**

BOOT AND SHOE INDUSTRY, 1910 TO 1930

Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters):																																																																																																																															
Male				1920	14	21	\$0.453	1922	8	29	.528	1924	12	24	.585	1926	18	42	.374	1928	5	9	.636	1930	21	68	.637	1910	14	10	24	1911	5	19	14	1912	17	17	7	1913	5	7	4	1914	5	10	5	1915	5	3	3	1916	3	18	4	1917	22	11	11	1918	11	11	3	1919	7	7	2	1920	22	22	22	1921	21	14	21	1922	3	7	7	1923	1	1	1	1924	(1)	(1)	(1)	1925	(1)	(1)	(1)	1926	(1)	(1)	(1)	1927	(1)	(1)	(1)	1928	(1)	(1)	(1)	1929	(1)	(1)	(1)	1930	(1)	(1)	(1)																
Female				1920	107	1,133	.353	1922	89	913	.237	1924	95	1,031	.328	1926	118	1,426	.340	1928	124	1,318	.330	1930	130	1,636	.335	1910	16	16	27	1911	17	9	4	1912	9	4	1	1913	1	1	1	1914	(1)	(1)	(1)	1915	(1)	(1)	(1)	1916	(1)	(1)	(1)	1917	(1)	(1)	(1)	1918	(1)	(1)	(1)	1919	(1)	(1)	(1)	1920	(1)	(1)	(1)	1921	(1)	(1)	(1)	1922	(1)	(1)	(1)	1923	(1)	(1)	(1)	1924	(1)	(1)	(1)	1925	(1)	(1)	(1)	1926	(1)	(1)	(1)	1927	(1)	(1)	(1)	1928	(1)	(1)	(1)	1929	(1)	(1)	(1)	1930	(1)	(1)	(1)																
Lining makers (including lining closers and side and top facing stitchers):																																																																																																																															
Female				1913	80	854	.190	1914	84	852	.189	1916	126	1,004	.198	1918	132	1,138	.241	1920	112	1,149	.278	1922	97	1,055	.262	1924	100	1,012	.269	1926	124	1,170	.413	1928	129	1,046	.298	1930	137	1,076	.295	1910	25	26	10	1911	6	9	5	1912	(1)	(1)	(1)	1913	(1)	(1)	(1)	1914	(1)	(1)	(1)	1915	(1)	(1)	(1)	1916	(1)	(1)	(1)	1917	(1)	(1)	(1)	1918	(1)	(1)	(1)	1919	(1)	(1)	(1)	1920	(1)	(1)	(1)	1921	(1)	(1)	(1)	1922	(1)	(1)	(1)	1923	(1)	(1)	(1)	1924	(1)	(1)	(1)	1925	(1)	(1)	(1)	1926	(1)	(1)	(1)	1927	(1)	(1)	(1)	1928	(1)	(1)	(1)	1929	(1)	(1)	(1)	1930	(1)	(1)	(1)
Top stitchers (including undertrimmers and barber trimmers):																																																																																																																															
Male				1920	16	67	.639	1922	19	64	.657	1924	21	78	.675	1926	27	90	.773	1928	30	132	.830	1930	32	113	.787	1910	7	7	25	1911	25	18	25	1912	18	13	4	1913	4	5	11	1914	9	11	6	1915	9	12	2	1916	14	13	5	1917	18	17	12	1918	13	11	6	1919	17	13	8	1920	18	13	10	1921	25	12	12	1922	18	12	19	1923	4	1	1	1924	9	1	1	1925	9	1	1	1926	6	1	1	1927	2	1	1	1928	2	1	1	1929	2	1	1	1930	2	1	1																
Female				1913	82	1,070	.210	1914	86	1,076	.212	1916	128	1,427	.220	1918	135	1,364	.285	1920	112	1,187	.448	1922	100	1,195	.433	1924	97	1,184	.462	1926	121	1,469	.486	1928	124	1,399	.451	1930	132	1,648	.419	1910	7	7	29	1911	1	1	8	1912	(1)	(1)	(1)	1913	(1)	(1)	(1)	1914	(1)	(1)	(1)	1915	(1)	(1)	(1)	1916	(1)	(1)	(1)	1917	(1)	(1)	(1)	1918	(1)	(1)	(1)	1919	(1)	(1)	(1)	1920	(1)	(1)	(1)	1921	(1)	(1)	(1)	1922	(1)	(1)	(1)	1923	(1)	(1)	(1)	1924	(1)	(1)	(1)	1925	(1)	(1)	(1)	1926	(1)	(1)	(1)	1927	(1)	(1)	(1)	1928	(1)	(1)	(1)	1929	(1)	(1)	(1)	1930	(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.

TABLE 3.—Average and classified earnings per hour in 14 specified occupations, 1913 to 1930, by department, sex, and year—Continued  
FITTING AND STITCHING DEPARTMENT—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average earnings per hour	Per cent of employees whose earnings per hour were—															
					Under 12 cents	12 and under 16 cents	16 and under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 40 cents	40 and under 50 cents	50 and under 60 cents	60 and under 70 cents	70 and under 80 cents	80 and under 90 cents	90 cents and under \$1	\$1 and under \$1.20	\$1.20 and under \$1.40	\$1.40 and over	
Vampers: Male-----	1913	66	554	\$0.320		2	6	12	21	41	17	11								
	1914	65	534	.312	1	2	6	17	20	37	14	12								
	1916	82	624	.333		1	5	13	16	44	16	15								
	1918	83	573	.442			1	2	6	28	34	19	7	12						
	1920	55	400	.700				(1)	1	4	10	14								
	1922	52	357	.628				1	2	11	15	18	21	21	18	9	8	7	1	1
	1924	49	304	.707		(1)			2	4	10	17	18	20	10	8	6	4	6	1
	1926	63	204	.741					2	4	10	17	18	20	10	8	6	4	6	3
	1928	54	270	.727					(1)	4	10	14	22	24	8	4	6	9	9	3
	1930	64	347	.672			(1)	1	2	6	12	18	19	20	9	5	7	7	2	(1)
	Female-----	1913	79	1,072	.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	.508		(1)	1	3	6	17	21	22	16	8	3	1	1	1	(1)	(1)
1922		98	1,142	.480		(1)	1	4	8	22	21	20	13	6	3	2	1	1	(1)	(1)
1924		99	1,053	.519		(1)	(1)	4	8	18	21	19	15	9	5	2	2	2	(1)	(1)
1926		123	1,170	.531				1	2	16	29	21	16	9	2	2	1	1	(1)	(1)
1928		119	1,022	.505	(1)	1	(1)	1	6	21	24	21	14	8	3	1	(1)	(1)	(1)	(1)
1930		125	1,164	.465		(1)	1	4	9	26	24	17	11	6	1	(1)	(1)	(1)	(1)	(1)

LASTING DEPARTMENT

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	12								
	1916	97	801	.291	1	4	10	19	23	31	10	12								
	1918	102	726	.398		(1)	4	9	11	29	26	16	5	12						
	1920	88	691	.638			(1)	4	2	3	9	12	15	17	18	12	5	4	2	(1)
	1922	70	593	.567		(1)	1	2	8	14	18	16	26	10	6	3	2	1	(1)	(1)

	1924	81	421	.554		(1)	2	4	13	24	17	20	11	6	1	3	(1)	
	1926	112	641	.596		(1)	1	2	10	21	21	18	12	9	3	2		
	1928	116	637	.577			1	4	14	20	18	17	11	7	5	2		
	1930	125	624	.568	(1)	(1)	1	4	10	24	20	15	10	8	4	3	1	
<b>Female</b>																		
	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		
	1930	9	32	.452				13	34	22	13	16		3				
<b>Bed-machine operators:</b>																		
<b>Male</b>																		
	1913	65	1,220	.320		(1)	8	10	25	45	14	13						
	1914	70	1,173	.321	(1)	1	4	11	24	45	12	13						
	1916	93	1,336	.349	(1)	1	2	9	19	43	20							
	1918	104	1,303	.500	(1)	(1)	1	4	14	30	32	12	16					
	1920	93	1,252	.789				(1)	2	5	10	15	20	19	13	12	3	1
	1922	86	1,167	.668	(1)		(1)	(1)	4	13	18	26	16	9	7	5	1	(1)
	1924	92	1,082	.662				(1)	3	10	18	26	17	14	7	4	1	(1)
	1926	121	1,279	.700			(1)	(1)	3	10	16	24	21	13	7	4	1	(1)
	1928	117	1,207	.682	(1)			(1)	3	12	18	22	19	11	7	5	1	(1)
	1930	130	1,478	.667		(1)		(1)	5	13	22	23	19	8	5	4	1	(1)
<b>Turn lasters, hand (including first and second lasters):</b>																		
<b>Male</b>																		
	1913	28	524	.310		1	4	12	27	48	6	12						
	1914	31	689	.324	1	2	4	15	22	35	17	14						
	1916	42	974	.365		(1)	2	10	20	33	24	12						
	1918	35	752	.453	(1)	(1)	1	3	5	26	31	22	8	13				
	1920	23	666	.880				(1)	1	1	4	12	11	16	12	11	18	10
	1922	30	671	.732			(1)	(1)	1	11	13	14	13	17	10	9	5	7
	1924	31	496	.790			(1)	(1)	2	10	13	13	15	10	13	13	13	7
	1926	35	726	.870				(1)	1	5	9	11	15	13	13	21	8	3
	1928	31	706	.831				(1)	1	6	13	15	17	16	13	15	3	3
	1930	24	789	.780				(1)	1	2	6	13	15	21	19	13	10	2

<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.

TABLE 3.—Average and classified earnings per hour in 14 specified occupations, 1913 to 1930, by department, sex, and year—Continued

BOTTOMING DEPARTMENT

Occupation and sex	Year	Number of establishments	Number of wage earners	Average earnings per hour	Per cent of employees whose earnings per hour were—															
					Under 12 cents	12 and under 16 cents	16 and under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 40 cents	40 and under 50 cents	50 and under 60 cents	60 and under 70 cents	70 and under 80 cents	80 and under 90 cents	90 cents and under \$1	\$1 and under \$1.20	\$1.20 and under \$1.40	\$1.40 and over	
<b>Goodyear stitchers:</b>																				
<b>Male.....</b>	1913	70	642	\$.399			1	6	14	38	23	19								
	1914	74	594	.410			1	4	13	35	27	20								
	1916	97	656	.437			(1)	4	8	28	33	27								
	1918	105	680	.527			1	1	4	14	24	29	13	14						
	1920	86	590	.818						(1)	3	9	16	22	18	15	14	8	3	1
	1922	77	543	.765						2	5	16	20	19	16	10	8	2	2	2
	1924	79	505	.773					(1)	2	9	12	17	18	15	13	12	2	2	1
	1926	98	517	.776						1	5	11	20	21	18	12	9	3	3	1
	1928	89	461	.766						3	5	10	20	21	20	9	11	1	(1)	(1)
	1930	100	576	.727						2	7	15	24	20	14	10	6	1	1	(1)
<b>Edge trimmers:</b>																				
<b>Male.....</b>	1914	85	886	.400		(1)	1	5	12	37	28	17								
	1916	129	1,081	.423	(1)	(1)		4	9	32	30	24								
	1918	138	1,015	.545	(1)	(1)	(1)	1	2	16	21	24	22	14						
	1920	112	828	.904						1	3	6	11	14	16	15	22	9	4	4
	1922	100	789	.764				(1)	(1)	2	5	15	15	19	16	12	10	2	2	3
	1924	102	686	.767				(1)	1	1	7	16	18	15	15	9	10	5	1	1
	1926	127	806	.785				(1)	(1)	1	5	12	18	18	17	12	12	3	3	1
	1928	131	764	.784						2	7	13	18	18	16	12	10	3	3	1
	1930	140	805	.722					1	3	10	16	17	19	18	9	7	2	(1)	1

FINISHING DEPARTMENT

<b>Edge setters:</b>																				
<b>Male.....</b>	1913	77	826	\$.411			1	3	11	34	33	19								
	1914	86	872	.410			1	2	10	36	35	15								
	1916	131	966	.414		(1)	1	3	3	38	28	21								
	1918	138	924	.525				1	3	17	26	26	16	11						
	1920	112	845	.873					(1)	1	3	6	12	16	15	19	20	5	4	4
	1922	99	779	.767					(1)	2	7	12	22	15	15	10	14	1	1	1
	1924	102	681	.766	(1)			(1)	1	2	10	12	22	17	12	9	10	4	4	1

	1929	129	765	.786							2			10	21	17	11	8	8	1
	1928	133	738	.755	( <sup>1</sup> )	( <sup>1</sup> )					1			15	19	15	11	8	8	1
	1930	140	794	.705					( <sup>1</sup> )		4		9	18	17	13	6	7	2	( <sup>1</sup> )
<b>Tools, hand and machine:</b>																				
<b>Male:</b>	1913	73	1,110	.282	( <sup>1</sup> )	4	10	22	25	32	5	*1								
	1914	80	1,204	.279	1	5	18	18	25	32	5	*2								
	1916	124	1,652	.291	1	3	7	20	29	32	6	*2								
	1918	125	1,387	.403	( <sup>1</sup> )	1	2	4	11	33	20	16	3	*1						
	1920	98	1,108	.677				( <sup>1</sup> )	1	4	12	17	19	19	14	14	7	5	1	( <sup>1</sup> )
	1922	90	970	.577			( <sup>1</sup> )	1	2	11	19	24	18	11	6	6	4	1	1	( <sup>1</sup> )
	1924	93	948	.624			( <sup>1</sup> )	( <sup>1</sup> )	1	1	9	15	21	22	16	7	4	3	1	( <sup>1</sup> )
	1926	114	1,088	.611				1	1	7	19	21	23	16	9	9	3	1	( <sup>1</sup> )	( <sup>1</sup> )
	1928	118	1,072	.624		( <sup>1</sup> )	( <sup>1</sup> )	1	2	8	17	21	23	14	8	8	3	3	( <sup>1</sup> )	1
	1930	125	1,210	.563		( <sup>1</sup> )	( <sup>1</sup> )	2	4	10	23	21	19	12	6	6	2	1		
<b>Female:</b>	1913	13	110	.158	14	48	26	8	4	2										
	1914	18	107	.175	14	24	33	21	7	1										
	1915	15	144	.188	8	27	19	23	11											
	1918	31	211	.232	3	9	25	30	19	11	4	( <sup>1</sup> )								
	1920	27	206	.403		( <sup>1</sup> )	1	6	11	35	26	13	4	2	2					
	1922	25	228	.396			( <sup>1</sup> )	4	12	34	37	8	3							
	1924	30	184	.431	1	1	1	5	3	28	42	15	4	1	1					
	1926	43	302	.419		( <sup>1</sup> )		3	7	35	35	15	4	1						
	1928	86	239	.386	( <sup>1</sup> )	3		5	11	43	24	11	1	2						
	1930	42	280	.380			1	5	17	39	28	7	2	1						
<b>Repairers (not cobblers) (including tip fixers and scourers):</b>																				
<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	28	25	32	8	2	1		1	1		
	1924	48	102	.511				3	7	18	20	21	20	6	6		1	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		
	1930	59	142	.606				2	3	6	22	24	17	11	5		7	5		
<b>Female:</b>	1920	57	711	.392			1	6	14	31	29	16	4		( <sup>1</sup> )					
	1922	79	668	.377			1	7	16	31	35	8	1	( <sup>1</sup> )	( <sup>1</sup> )		( <sup>1</sup> )	( <sup>1</sup> )		( <sup>1</sup> )
	1924	77	624	.408			1	9	15	32	25	17	2	( <sup>1</sup> )						
	1926	110	925	.388		( <sup>1</sup> )	3	9	11	34	19	19	2	( <sup>1</sup> )	( <sup>1</sup> )		( <sup>1</sup> )	( <sup>1</sup> )		
	1928	120	832	.377		4	1	8	15	32	17	17	3	( <sup>1</sup> )	( <sup>1</sup> )		( <sup>1</sup> )	( <sup>1</sup> )		
	1930	123	863	.383		( <sup>1</sup> )	2	10	14	32	21	15	2	( <sup>1</sup> )	( <sup>1</sup> )		( <sup>1</sup> )	( <sup>1</sup> )		

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

<sup>1</sup> Grouped under "50 cents and over" in previous reports.

<sup>1</sup> Grouped under "70 cents and over" in previous reports.

**CLASSIFIED EARNINGS PER HOUR FOR MALES, FEMALES, AND BOTH SEXES**

Table 4 shows the *number* and *per cent* of males and females separately, and of both sexes combined, at each classified group of average earnings per hour.

The largest number of males in any one of the classified groups of average earnings per hour is 2,944, or 9 per cent of the 31,549 males included in the study in 1930. This number and per cent is in the group of 50 and under 55 cents per hour. The largest number of females in any group is 1,917, or 8 per cent of the 23,609 females included in the study. This number and per cent is in the group of 30 and under 32½ cents per hour. Approximately 17 per cent of the 55,158 males and females for which classified earnings are shown in the table earned less than 30 cents per hour, and 11 per cent earned an average of 80 cents or more per hour.

TABLE 4.—*Classification of males and females separately, and of both sexes combined, in all occupations, by average earnings per hour, 1930*

Classified earnings per hour	Number of employees in all occupations			Per cent of employees in all occupations		
	Male	Female	Total	Male	Female	Total
Under 5 cents.....	1	4	5	(3)	(3)	(3)
5 and under 6 cents.....	1	3	4	(3)	(3)	(3)
6 and under 7 cents.....	1	9	10	(3)	(3)	(3)
7 and under 8 cents.....	3	7	10	(3)	(3)	(3)
8 and under 9 cents.....	5	14	19	(3)	(3)	(3)
9 and under 10 cents.....	4	17	21	(3)	(3)	(3)
10 and under 11 cents.....	6	16	22	(3)	(3)	(3)
11 and under 12 cents.....	11	35	46	(3)	(3)	(3)
12 and under 13 cents.....	10	60	70	(3)	(3)	(3)
13 and under 14 cents.....	13	61	74	(3)	(3)	(3)
14 and under 15 cents.....	30	102	132	(3)	(3)	(3)
15 and under 16 cents.....	35	96	131	(3)	(3)	(3)
16 and under 17 cents.....	73	135	208	(3)	1	(3)
17 and under 18 cents.....	35	173	208	(3)	1	(3)
18 and under 19 cents.....	94	304	398	(3)	1	(3)
19 and under 20 cents.....	54	273	327	(3)	1	(3)
20 and under 21 cents.....	166	523	689	1	2	(3)
21 and under 22 cents.....	83	309	397	(3)	1	(3)
22 and under 23 cents.....	162	545	707	1	2	(3)
23 and under 24 cents.....	99	374	473	(3)	2	(3)
24 and under 25 cents.....	197	572	769	1	2	(3)
25 and under 27½ cents.....	647	1,799	2,446	2	8	(3)
27½ and under 30 cents.....	592	1,626	2,218	2	7	(3)
30 and under 32½ cents.....	942	1,917	2,859	3	8	(3)
32½ and under 35 cents.....	804	1,656	2,460	3	7	(3)
35 and under 37½ cents.....	951	1,691	2,642	3	7	(3)
37½ and under 40 cents.....	1,071	1,655	2,726	3	7	(3)
40 and under 42½ cents.....	1,309	1,659	2,968	4	7	(3)
42½ and under 45 cents.....	1,130	1,188	2,318	4	5	(3)
45 and under 47½ cents.....	1,316	1,184	2,500	4	5	(3)
47½ and under 50 cents.....	1,245	990	2,205	4	4	(3)
50 and under 55 cents.....	2,944	1,717	4,661	9	7	(3)
55 and under 60 cents.....	2,585	1,051	3,636	8	4	(3)
60 and under 65 cents.....	2,578	708	3,286	8	3	(3)
65 and under 70 cents.....	2,245	442	2,687	7	2	(3)
70 and under 75 cents.....	2,111	289	2,400	7	1	(3)
75 and under 80 cents.....	1,915	160	2,075	6	1	(3)
80 and under 85 cents.....	1,430	87	1,517	5	(3)	(3)
85 and under 90 cents.....	1,307	48	1,355	4	(3)	(3)
90 and under 95 cents.....	861	31	892	3	(3)	(3)
95 and under 100 cents.....	641	21	662	2	(3)	(3)
100 and under 110 cents.....	857	37	914	3	(3)	(3)
110 and under 120 cents.....	455	6	461	1	(3)	(3)

1 Less than 1 per cent.

TABLE 4.—Classification of males and females separately, and of both sexes combined, in all occupations, by average earnings per hour, 1930—Continued

Classified earnings per hour	Number of employees in all occupations			Per cent of employees in all occupations		
	Male	Female	Total	Male	Female	Total
120 and under 130 cents.....	252	1	253	1	(1)	(1)
130 and under 140 cents.....	130	3	133	(1)	(1)	(1)
140 and under 150 cents.....	55	-----	55	(1)	-----	(1)
150 and under 160 cents.....	26	-----	26	(1)	-----	(1)
160 and under 170 cents.....	14	-----	14	(1)	-----	(1)
170 and under 180 cents.....	8	1	9	(1)	(1)	(1)
190 and under 200 cents.....	3	-----	3	(1)	-----	(1)
200 and under 225 cents.....	4	-----	4	(1)	-----	(1)
225 and under 250 cents.....	3	-----	3	(1)	-----	(1)
Total.....	31,549	23,609	55,158	100	100	100

1 Less than 1 per cent.

REGULAR OR CUSTOMARY HOURS PER WEEK AND DAY

The regular or customary full-time hours per week of a factory are the hours of operation when it is working its recognized standard of full time as established by the regular time of beginning work in the morning and of closing in the afternoon, less the regular time off duty for lunch or dinner, with no overtime and no time off duty for any cause.

Table 5 shows average full-time hours per week and the *per cent* of wage earners in each of 14 representative occupations in the industry at each classified group of full-time hours per week for each of the specified years, from 1910 to 1930, for which data are available. For a similar distribution, by *number*, of the wage earners in each of these occupations in each State in 1930, see Table C, page 82.

Average full-time hours per week of cutters, vamp and whole shoe, hand, male, decreased from 56.3 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. Averages increased to 48.9 in 1926 and decreased to 48.6 in 1928 and again increased to 48.7 in 1930, when the full-time hours of 5 per cent of the 2,226 males covered in that year were 44 per week; 1 per cent were 45; 2 per cent were over 45 and under 48; 55 per cent were 48; 27 per cent were over 48 and under 51; 2 per cent were 51 and under 54; 5 per cent were 54; 1 per cent were over 54 and under 57; and the hours of less than 1 per cent were 60 per week. The variations of the averages and percentage distribution of the wage earners in this occupation are fairly representative of those in other occupations in the industry.

TABLE 5.—Average and classified full-time hours per week in 14 specified occupations, 1910 to 1930, by department, sex, and year

CUTTING DEPARTMENT

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>Cutters, vamp and whole shoes, hand:</b>														
Male.....1910.....	48	1,650	56.3						1	11	25	24	19	21
1911.....	64	2,066	56.2							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	1,615	48.3	7	3	6		57	19	1	7	1		
1924.....	88	2,009	48.4	4		4		66	20	(1)	5	1		
1926.....	103	2,129	48.9			1	(1)	57	24	2	8	2		
1928.....	110	1,777	48.6			2	(1)	62	20	2	4	2		
1930.....	127	2,226	48.7			1	2	55	27	2	5	1		(1)
<b>Skivers, upper:</b>														
Male.....1910.....	12	74	54.7								66	18	16	
1911.....	28	136	54.3								68	18	15	
1912.....	32	156	54.7							6	67	7	19	1
1913.....	32	184	54.5							8	65	18	9	
1914.....	29	116	54.4							9	65	21	6	
1916.....	32	124	54.6							9	65	13	12	1
1918.....	23	96	50.9					74	11	10	4			
1920.....	29	87	48.1			9		79	8			3		
1922.....	31	77	47.6	8		8	5	65	13		1			
1924.....	29	100	48.0			8		57	22		3			
1926.....	37	96	48.4			15		39	22	11	13			
1928.....	34	98	48.1	13				66	14	5	1	4		
1930.....	36	104	48.3	16				55	20	1	4	4		
Female.....1910.....	49	338	57.0						(1)	9	12	24	25	30
1911.....	60	374	57.0							7	9	30	29	25
1912.....	67	371	55.0						2	7	48	16	24	3
1913.....	67	439	54.8						3	7	53	24	14	
1914.....	77	446	54.1						6	14	47	26	6	
1916.....	113	591	54.0						6	14	52	24	4	
1918.....	121	697	51.7			(1)		3	49	18	29	5	1	
1920.....	105	611	48.7	6		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	8		1		61	20	7	8	(1)		
1926.....	113	552	48.9	2		1	(1)	57	32	1	6			
1928.....	110	541	49.1	3		1		53	35	2	7			
1930.....	121	664	48.8	2	(1)	4		50	35	2	3	1		(1)

FITTING AND STITCHING DEPARTMENT

<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters):</b>														
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						
1930.....	21	58	47.7	31				34	29	2	2	2		
Female.....1920.....	107	1,133	48.6	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	50	30	4	9	1		
1926.....	118	1,426	49.8	8		(1)		52	31	2	12			
1928.....	124	1,318	49.3	2		1		52	30	6	9			
1930.....	130	1,636	48.9	3	(1)	3		51	32	3	6	1		(1)

<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 5.—Average and classified full-time hours per week in 14 specified occupations, 1910 to 1930, by department, sex, and year—Continued

FITTING AND STITCHING DEPARTMENT—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>Lining makers (including lining closers and side and top facing stitchers):</b>														
<b>Female</b>														
1910	53	585	56.5						( <sup>1</sup> )	15	13	25	24	23
1911	72	721	56.3							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	23	
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	49.6	<sup>2</sup> 6		6	1	58	21	1	7	1	( <sup>3</sup> )	
1922	97	1,055	48.8	2	1	4		59	24	2	8			
1924	100	1,012	49.3	3			( <sup>1</sup> )	59	21	3	12			
1926	124	1,170	49.3	<sup>2</sup> 4		1		49	29	2	15			
1928	129	1,046	49.2	3		1		49	34	6	7			
1930	137	1,075	48.8	4	( <sup>1</sup> )	4	2	53	29	3	8	1		( <sup>3</sup> )
<b>Top stitchers (including undertrimmers and barber trimmers):</b>														
<b>Male</b>														
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			
1930	32	118	47.2	32			5	35	26	2				
<b>Female</b>														
1910	53	721	56.3						( <sup>1</sup> )	9	15	21	27	28
1911	73	911	56.9							7	20	23	29	20
1912	82	1,033	54.9						3	8	65	9	22	3
1913	82	1,070	54.6						2	9	54	22	18	
1914	86	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	29	3	1	
1920	112	1,187	48.5	<sup>2</sup> 7		7	1	56	18	1	9	1	( <sup>3</sup> )	
1922	100	1,195	48.8	2	1	5		57	23	1	9		( <sup>3</sup> )	
1924	97	1,184	49.3	2			( <sup>1</sup> )	54	24	4	13		( <sup>3</sup> )	
1926	121	1,469	49.3	<sup>2</sup> 2		1	1	51	33	3	10		( <sup>3</sup> )	
1928	124	1,399	49.4	2		1		48	35	6	9			
1930	132	1,648	49.1	1		4	3	48	37	3	5	1		( <sup>3</sup> )
<b>Vampers:</b>														
<b>Male</b>														
1910	35	263	55.5							18	25	24	22	11
1911	51	343	55.5							6	40	27	18	8
1912	66	483	55.0						3	12	45	14	23	4
1913	66	554	54.8						2	13	41	30	13	1
1914	65	534	54.6						1	17	37	35	9	1
1916	82	624	54.6						3	14	39	34	9	1
1918	83	573	51.5					2	62	16	12	4	4	1
1920	55	400	47.9	5		7		82	4		3			
1922	52	357	47.8	5	5	8		70	9		3			
1924	49	304	48.2	7			1	79	9	1	4			
1926	63	294	48.2	11			1	69	12	3	4			
1928	54	370	48.2	7		1		79	7	3	2	1		
1930	64	347	48.2	6			1	78	14	( <sup>1</sup> )	3	1		
<b>Female</b>														
1910	53	863	56.9						3	5	14	24	28	27
1911	71	1,124	56.5						2	4	17	26	28	23
1912	79	1,088	55.1						1	5	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	<sup>2</sup> 6	5	1	1	51	25	1	9	1	1	
1922	98	1,142	46.0	2	1	4		56	29	2	7	1		
1924	99	1,053	49.4	1		3		50	30	4	12		( <sup>3</sup> )	
1926	123	1,179	46.1	<sup>2</sup> 9			( <sup>1</sup> )	52	37	1	7			
1928	119	1,022	46.3	3		1		45	40	4	7			
1930	126	1,164	46.1	1		4	2	44	41	3	4	1		( <sup>3</sup> )

<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 5.—Average and classified full-time hours per week in 14 specified occupations, 1910 to 1930, by department, sex, and year—Continued

## LASTING DEPARTMENT

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>Assemblers for pulling-over machines:</b>														
Male.....1911..	17	218	55.4								43	32	23	3
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	24	24	15	4
1918..	102	726	52.6						5	38	12	24	12	9
1920..	88	691	48.6	9		1	( <sup>1</sup> )	60	20	( <sup>1</sup> )	9	( <sup>1</sup> )		( <sup>1</sup> )
1922..	70	593	49.0	1		3		61	23	( <sup>1</sup> )	12	1		
1924..	81	421	49.3	2		1		52	30	2	11	2		
1926..	113	541	49.1	3		1	( <sup>1</sup> )	49	39	1	6	1		
1928..	116	537	49.0	7		( <sup>1</sup> )		50	32	4	5	2		
1930..	125	624	49.0	8		3	2	48	36	2	4	1		( <sup>1</sup> )
Female.....1920..	23	77	48.5			23		55	6	4	4	6	1	
1922..	15	58	39.0			5		74	5	5	2	9		
1924..	8	33	50.0					52	18	30				
1926..	9	36	49.6				3	25	67		6			
1928..	10	26	49.9					15	77	8				
1930..	9	32	49.4					38	56	6				
<b>Bed-machine operators:</b>														
Male.....1910..	25	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
1918..	104	1,303	52.1					2	51	14	15	10	7	( <sup>1</sup> )
1920..	93	1,252	48.7	5		3	( <sup>1</sup> )	67	14		12	1		
1922..	86	1,167	48.9	3	2	3		60	18	1	10	1		
1924..	92	1,082	49.1	3		2		59	21	3	11	1		
1926..	121	1,270	49.1	3		( <sup>1</sup> )	( <sup>1</sup> )	53	35	1	6	1		
1928..	117	1,207	49.2	3		1		51	34	4	6	2		
1930..	130	1,478	49.1	2		3	1	48	37	3	5	1		( <sup>1</sup> )
<b>Turn lasters, hand (including first and second lasters):</b>														
Male.....1910..	28	452	55.6							24	12	16	28	20
1911..	28	524	55.0							27	23	17	28	5
1914..	31	689	54.4							12	16	10	49	5
1916..	42	974	54.9							7	14	16	44	17
1918..	35	752	53.8							18	22	10	42	9
1920..	33	686	47.1	5		25	2	49	10			9		
1922..	30	571	48.5	2		14		57	18	2		8		
1924..	31	496	48.2	7		5		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				
1930..	24	789	46.5	40		1	2	48	8	( <sup>1</sup> )	1			

## BOTTOMING DEPARTMENT

<b>Good year stitchers:</b>															
Male.....1910..	45	386	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								2	12	32	39	14
1916..	97	656	54.8								2	15	35	33	12
1918..	105	680	52.4								49	14	15	13	3
1920..	86	599	48.6	4		3	( <sup>1</sup> )	68	15		9	1			
1922..	77	543	48.6	3	2	3		67	15		9				
1924..	79	505	49.8	4		2		62	22		10				
1926..	98	517	48.9	3		( <sup>1</sup> )	( <sup>1</sup> )	58	33	( <sup>1</sup> )	3	2			
1928..	89	461	48.9	3		1		57	31	1	5	2			
1930..	100	576	49.1	2		3	2	51	33	3	4	2		( <sup>1</sup> )	
<b>Edge trimmers:</b>															
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	

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

TABLE 5.—Average and classified full-time hours per week in 14 specified occupations, 1910 to 1930, by department, sex, and year—Continued

BOTTOMING DEPARTMENT—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	Over 54, under 57	57, under 60	60	
<b>Edge trimmers—Continued.</b>														
Male.....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	19	9	1	1	1	
1922.....	100	789	48.9	2	2	5	55	24	1	10	1	1		
1924.....	102	686	49.1	3			56	26	3	9	1			
1926.....	127	808	49.2	3		(1)	51	26	1	7	1			
1928.....	131	754	49.1	3	1		51	35	4	5	2			
1930.....	140	895	49.1	1		3	2	49	34	3	6	2		(1)

FINISHING DEPARTMENT

<b>Edge setters:</b>															
Male.....1910.....	54	550	55.8						1	18	17	25	26	16	
1911.....	58	722	55.3						8	26	24	24	22	17	
1912.....	78	789	55.8						7	35	24	27	25	13	
1913.....	77	828	55.3						8	26	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		55	22	1	9	2				
1924.....	102	681	49.1	3	2		57	25	2	10	1				
1926.....	129	765	49.1	4		1	50	35	1	7	1				
1928.....	133	738	49.1	3		1	51	33	4	6	2				
1930.....	140	794	49.0	3		2	49	34	2	6	2			(1)	
<b>Trees, hand and machine:</b>															
Male.....1910.....	44	832	55.9							21	17	27	18	17	
1911.....	53	1,006	56.0							10	26	31	18	15	
1912.....	78	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	19	10	2	
1918.....	125	1,387	52.3				2	7	42	18	11	15	5	(1)	
1920.....	98	1,106	48.3	6	7	11	53	16	4	3					
1922.....	90	970	48.6	3	3		59	18	1	9	1				
1924.....	93	948	48.8	3		1	61	21	2	10	1				
1926.....	114	1,088	49.2	4		1	49	36	2	8	1				
1928.....	118	1,072	49.2	4		1	52	31	4	7	1				
1930.....	125	1,210	49.1	4		(1)	52	32	3	7	2			(1)	
Female.....1910.....	8	74	57.8							30		48	37		
1911.....	11	85	58.1							27		29	26	44	
1912.....	13	108	54.4							10	62	12	16		
1913.....	13	110	54.6							13	55		26		
1914.....	18	107	52.1						41	40	9	7			
1916.....	18	144	53.1						14	41	37	8			
1918.....	31	311	53.3						31	8	36	14	11		
1920.....	37	398	49.7	9		(1)	5	36	27	1	14	4	4		
1922.....	35	323	49.3	1		1		54	31	2	10	1			
1924.....	31	184	48.8	1		1		59	24	3	1	2			
1926.....	43	302	49.0					59	35	(1)	5				
1928.....	36	239	49.3					45	49	5	1				
1930.....	42	280	48.6	(1)		10	9	36	42	3	(1)				
<b>Repairers (not cobblers) (including tip fixers and scourers):</b>															
Male.....1920.....	37	169	48.1	9		6	1	66	11	1	6				
1922.....	49	126	48.3	6	3	4		63	16	2	6				
1924.....	43	102	48.9	7				59	23		10	3			
1926.....	53	128	48.2	17				48	30		3	3			
1928.....	43	134	48.5	9		1		56	28		1	3			
1930.....	50	142	48.2	30		4		39	27		5	4			
Female.....1920.....	37	711	47.7	11		15	(1)	34	13	1	5	(1)			
1922.....	79	668	48.2	(1)		1	14	62	13	1	6	1			
1924.....	77	624	48.8	1		4		67	17	2	7	2			
1926.....	110	923	49.0	1		1	(1)	39	26	2	8				
1928.....	130	832	49.4	1		1		51	33	7	8				
1930.....	123	863	49.2	1	(1)	1	4	51	22	5	7			(1)	

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

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

Table 6 shows by States the regular full-time hours per week and per day of each of the 161 factories covered in the 1930 study.

Hours per week ranged from 44 in the 7 factories with the shortest to 60 in 1 factory with the longest hours. Hours per week of 65 factories, or 40.4 per cent of the total number included in the table were 48, and of 42, or 26.1 per cent, were 50 per week.

Hours per day, Monday to Friday, ranged from 8 in the 7 factories with the shortest to 10 in 9 with the longest day, and on Saturday in the 152 in which there was provision for work on that day ranged from 4 to 10. Hours on Saturday were less than on other days in 151 factories, the same in 1, and the 5-day week was in effect in 9 factories, there being no work on Saturday. The hours, Monday to Friday, in the 9 factories in which the 5-day week was in operation were 9 per day, or 45 per week, in 7, 9½ per day, or 47½ per week, in 1, and 9¼ per day, or 48¼ per week, in 1.

TABLE 6.—Number of establishments in each State working each specified full-time hours per week and per day, 1930

Full-time hours per week	Full-time hours per day		Number of establishments in—															
	Monday to Friday	Saturday	Illinois	Kentucky	Maine	Maryland and Virginia	Massachusetts	Michigan	Minnesota	Missouri	New Hampshire	New Jersey	New York	Ohio	Pennsylvania	Tennessee	Wisconsin	Total establishments
44 hours.....	8	4					4					2	5					7
45 hours.....	9	0												3				7
46¼ hours.....	8½	4¼											1					1
47 hours.....	8½	4½					1											2
47¼ hours.....	9½	0					1	1										1
47¾ hours.....	8¾	4¾					1											1
	8¾	4¾					1											1
	8¾	4¾					3	16	1	6	1		4		3		1	35
	8¾	4¾					1	1										2
	8¾	4¾					11				4						1	16
48 hours.....	8½	5					7											7
	8½	5¼					1											2
	8½	5¼					1											2
	8½	4¾					1						2					3
	8½	4											1					2
48¼ hours.....	9¼	0											1					1
49 hours.....	9	4					1						1					1
49¼ hours.....	9	4¼		1			1	2		1								1
49¾ hours.....	9	4¾																1
50 hours.....	9	5		3			3	10	3	1	5	2	4	3	1	2	4	43
50¼ hours.....	9	5¼					2											2
51 hours.....	9½	5½						1										1
51¼ hours.....	9	5¼						1										1
52¼ hours.....	9½	4¾																1
53¼ hours.....	9¼	5								1	1							3
53 hours.....	9	8		1														1
53½ hours.....	9½	6																1
54 hours.....	10	4					1								1			1
	9¾	5¼					2								3			3
55 hours.....	10	5					1								3	2	2	8
60 hours.....	10	10		1														1
Total.....			6	3	7	7	56	4	4	11	9	3	19	7	12	4	9	161

**CHANGES IN FULL-TIME HOURS AND WAGE RATES SINCE SEPTEMBER 1, 1928**

Only 4 of the 161 shoe factories reported changes in regular full-time hours per week between September 1, 1928, and the period of the 1930 study. In 3 of the 4 the regular working time was changed from a 6-day and 50-hour week to a 5-day and 45-hour week. In the other factory the hours were reduced from 52½ to 50 per week.

Changes in wage rates between September 1, 1928, and the period of the 1930 study were reported by only 11 of the 161 factories. Rates were increased 5 per cent to the treers and stitchers of one factory and 10 per cent to all wage earners of another factory. Rates were reduced in 9 factories, ranging from 5 per cent to the pieceworkers of one factory to 12.5 per cent to all wage earners except packers and lasters of another factory. For details see Table 7.

**TABLE 7.—Changes in wage rates between September 1, 1928, and the period of the 1930 study**

Wage earners whose rates were changed	Number of establishments	Per cent of change	
		Decrease	Increase
All, except packers and lasters.....	1	12.5	
All.....	5	10	
All pieceworkers, except wood-heel coverers and wood-heel finishers.....	1	10	
Pieceworkers.....	1	10	
All.....	1		10
Pieceworkers.....	1	5	
Treers and stitchers.....	1		5

**OVERTIME AND SUNDAY AND HOLIDAY WORK, 1930**

Any time worked in excess of the regular full-time hours per day or per week of a factory is overtime regardless of the rate of pay for such time. Work on Sunday and on holidays is extra time only when performed by workers whose regular hours per day and week do not provide for work on those days.

Only 7 of the 161 shoe factories covered in the 1930 study of the industry provided for the payment of overtime at a higher rate than for regular working time. The rate in these factories, as shown in Table 8, was one and one-half times the rate for regular working time and applied to all wage earners in 2 factories; to time workers only in 2; to female time workers in 1; to packing-room workers in 1; and to all females in 1. During the pay period for which figures are shown in the table there was overtime in 4 and no overtime in 3 of the 7 factories in which there was provision for the payment of a higher rate for overtime than for regular working time. There was overtime in 101 other factories, and such time was paid for at the same rate as for regular working time, and there was no overtime in 53 factories.

There was provision by 9 factories for the payment of a higher rate for extra work on Sunday and holidays than for regular working time on other days. The rate for such extra work was one and one-half times the regular rate in 8 factories and two times the regular rate in 1 factory. There was no extra work on Sunday and holidays in any of these 9 factories nor in 148 in which the same rate would have been paid for such extra work as for regular working time. There

was extra work on Sunday and holidays in only 4 of the 161 factories, and it was paid for at the same rate as for regular working time.

Table 8 shows the number of factories that provided for the payment of a higher rate for overtime and for extra work on Sunday and holidays, the wage earners entitled to receive the higher rate, and the rate for such work.

TABLE 8.—Number of establishments, wage earners entitled, and times regular rate for overtime and work on Sunday and holidays, 1930

Number of establishments	Wage earners entitled	Times regular rate for—	
		Overtime	Work on Sunday and holidays
2	All.....	1½	1½
2	do.....	1	1½
1	Time workers.....	1½	2
1	do.....	1½	1½
1	Female time workers.....	1½	1½
1	Packing-room workers.....	1½	1½
1	Female.....	1½	1½

#### BONUS SYSTEMS, 1930

A bonus is an arrangement by which the earnings of certain employees may be increased under certain conditions, such as the saving of leather from a specified quantity by having more or less usable leather left after cutting the set standard number of pieces from the quantity, service of one or more months or years, efficiency, production, etc.

Bonus systems were in operation in 17 of the 161 factories covered in 1930. In 9 of the 17 factories there was a "leather-saving" bonus, and 3 of the 9 had one or two other bonuses in operation at the time of the study. One of the 3 had a production and leather-saving bonus, an efficiency bonus, and a production bonus; 1 a leather-saving bonus, and a bonus based on earnings; and 1 had a leather-saving bonus and an efficiency bonus.

Table 9 shows the kind of bonus, the wage earners entitled, amount of bonus, and the condition necessary to get each bonus:

TABLE 9.—Bonus systems of 17 establishments in the boot and shoe industry, 1930

Number of establishments	Kind of bonus	Wage earners entitled	Amount of bonus	Conditions
1	Leather saving..	Cutters.....	10 per cent of piece rate or of earnings.	Saving some leather from a quantity designated for a specified number of pairs.
1	do.....	do.....	2 to 10 per cent of earnings, varying with amount of leather saved.	Quantity of leather saved.
1	do.....	All employees in cutting department.	1 cent for each square foot of leather saved.	Do.
1	do.....	Cutters.....	2 to 20 per cent of earnings, varying with amount of leather saved.	Do.
1	do.....	do.....	10 to 20 per cent of earnings, varying with amount of leather saved.	Do.
1	do.....	{Cutters, hand.....	13 cents for each square foot saved.	Do.
		{Cutters, machine.....	9 cents for each square foot saved.	Do.

TABLE 9.—*Bonus systems of 17 establishments in the boot and shoe industry, 1930—Continued*

Number of establishments	Kind of bonus	Wage earners entitled	Amount of bonus	Conditions
1	Production and leather saving	Outsole cutters.....	Varies—maximum of \$3 per week; minimum and other details not reported.	Cut more than 1,500 pairs per week, with a saving in quantity of leather.
	Efficiency.....	do.....	\$1.50 per week..... \$1.75 per week..... \$2.00 per week..... \$2.25 per week..... 25 cents for each 100 pounds of entire production.	Elimination of damage or waste in cutting by efficiency of: 67 per cent. 68 per cent. 69 per cent. 70 per cent and over.
1	Production.....	Heel-lift cutters..... Insole sorters.....	Varies—maximum of \$3 per week; minimum and other details not reported.	Production in excess of set standard. Do.
	Leather saving.....	Trimming cutters..... Kid and calf leather cutters.	5 to 10 per cent of earnings, varying with amount of leather saved. 5 to 20 per cent of earnings, varying with amount of leather saved.	Quantity of leather saved. Do.
1	Earnings.....	Assemblers for pullers-over, machine, pullers-over, machine; sidelasters, machine; bed-machine operators, and Goodyear welters, or in-seamers.	12 to 20 per cent of earnings, varying with excess over \$30 per week.	Earn \$30 or more per week at piece rates.
1	Leather saving.....	Cutters.....	1 cent for each square foot of leather saved.	Quantity of leather saved.
1	Efficiency.....	Goodyear stitobers.....	\$1 per week.....	Soles spoiled in week not to exceed an average of 1 per day.
1	Time saving.....	Cutters.....	All time saved at regular rate	Complete job in less than allotted time.
1	do.....	Sole fitters, casers, and sorters.	do.....	Do.
2	Production.....	All.....	Hourly rate increased 1 per cent for each per cent of production in excess of set standard.	Production in excess of set standard.
1	do.....	Cutters.....	Penalty.—Hourly rate decreased 1 per cent for each per cent of production less than set standard.	Penalty.—Production less than set standard.
1	Service.....	All.....	4 cents for each pair over set standard.	Production in excess of set standard.
1	Production and efficiency.	Outsole cutters.....	Varies with years of service and annual earnings of firm.	In service 1 year or more.
1	Service.....	All.....	33 cents for each 100 pairs cut in excess of set standard with an efficiency of 7 pairs or less of cut-overs; also 2 cents extra per hour for production of set standard;	Production of set standard or more, and have not more than 7 cut-overs per 1,000 pairs of soles. A cut-over is a sole or pair that must be recut.
			3 cents extra per hour for 0.1 to 2 per cent in excess;	In service 6 months and under 1 year.
			4 cents extra per hour for 2.1 to 4 per cent in excess;	In service 1 and under 2 years.
			5 cents extra per hour for production of 4.1 per cent or more in excess of set standard.	In service 2 and under 3 years.
			5 per cent of earnings.....	In service 3 and under 4 years.
6 per cent of earnings.....	In service 4 and under 5 years.			
7 per cent of earnings.....	In service 5 years and over.			
8 per cent of earnings.....	Perfect inspection of 500 pairs.			
9 per cent of earnings.....				
10 per cent of earnings.....				
1	Efficiency.....	Tack inspectors.....	35 cents for each 500 pairs inspected.	

## INDEX NUMBERS OF EMPLOYMENT AND PAY ROLLS, 1923 TO 1930

Index numbers of employment and of pay rolls in the boot and shoe industry are presented in Table 10 by months and years from January, 1923, to December, 1930, inclusive. The numbers were computed from the number of employees and amount of pay rolls for each month and year over this period, with the 1926 averages the base or 100 per cent. The indexes in the table are as published by the Bureau of Labor Statistics in monthly reports on "Trend of employment."

During the period, January, 1923, to December, 1930, monthly employment was highest in February and March, 1923, with an index of 116.4, and lowest in December, 1930, with an index of 73.1; and pay rolls were highest in March, 1923, with an index of 129.2, and lowest in November, 1930, with an index of 47.2. By years, employment was highest in 1923 with an index of 111.1, and lowest in 1930 with an index of 85.0; and pay rolls were highest in 1923 with an index of 117.0, and lowest in 1930 with an index of 70.1.

TABLE 10.—Index numbers of employment and of pay rolls, January, 1923, to December, 1930, by month and year

[Average for 1926=100.0]

Month	Employment									Pay-roll totals								
	1923	1924	1925	1926	1927	1928	1929	1930	1923	1924	1925	1926	1927	1928	1929	1930		
January.....	115.4	107.7	105.0	100.6	101.2	94.3	91.0	90.4	124.6	111.5	106.4	98.5	98.4	90.4	86.9	80.3		
February.....	116.4	108.2	107.0	102.7	101.4	96.2	93.8	91.8	128.2	112.5	111.6	104.1	105.7	97.4	91.0	81.3		
March.....	116.4	108.8	107.0	100.9	101.3	95.6	92.2	90.9	129.2	111.7	112.0	102.5	103.3	95.6	88.1	80.8		
April.....	113.9	102.7	102.4	95.3	96.2	90.4	89.8	89.1	124.6	100.6	102.2	90.8	95.8	80.2	83.7	78.8		
May.....	111.6	98.1	100.1	93.9	94.3	87.3	89.3	85.6	121.4	95.4	100.5	87.1	92.6	76.3	83.6	69.6		
June.....	107.9	92.3	94.8	94.2	93.8	87.6	83.1	83.3	115.2	89.8	93.9	93.8	93.5	82.0	85.2	67.8		
July.....	105.7	93.2	99.0	98.3	98.0	92.6	93.8	86.0	106.9	90.4	100.2	100.7	100.9	90.6	94.6	74.2		
August.....	110.6	98.9	105.0	103.3	102.0	94.8	97.8	87.0	113.7	103.7	112.7	109.7	110.4	98.0	102.4	75.5		
September.....	110.2	102.2	107.0	104.9	102.2	95.1	99.2	85.4	113.1	109.8	107.1	109.2	107.5	97.0	101.6	71.4		
October.....	109.2	103.6	106.4	104.4	99.6	93.6	98.7	82.0	111.1	109.0	107.1	108.3	98.1	92.4	95.5	64.0		
November.....	108.8	102.6	102.3	102.2	92.4	87.8	93.3	75.2	106.8	97.4	98.0	99.5	81.9	74.5	77.2	47.2		
December.....	107.3	101.0	98.3	99.4	90.6	87.3	88.3	73.1	110.8	101.2	93.9	96.4	82.5	81.3	77.9	51.9		
Average.....	111.1	101.6	102.9	100.0	97.7	91.9	92.9	85.0	117.0	102.8	103.6	100.0	97.6	88.6	89.0	70.1		

## IMPORTANCE OF THE INDUSTRY

The importance of the boot and shoe industry in number of establishments, average number of wage earners, amount of wages, cost of materials, value of products, and in value added by manufacture, as reported by the United States Bureau of Census, is shown in Table 11 for the United States as a whole in each of the specified years from 1899 to 1929, and in 1927 only for each State except one for which 1930 wage figures are presented in this report. The table also shows the average per wage earner of yearly earnings, cost of materials, value of products, and of value added by manufacture; the per cent that wages were of the value added by manufacture; and the average yearly production per wage earner of pairs of boots, shoes, and slippers.

Annual wages per wage earner for the United States as a whole ranged, by years, from \$412.05 in 1899 to \$1,116.90 in 1921. Average yearly wages per wage earner in 1927 ranged by States from \$697.27 to \$1,450.51.



The per cent wages was of the value added by manufacture for the United States ranged, by years, from 47.9 in 1919 to 64.7 in 1899. In 1927 the per cent ranged by States from 34.6 to 61.2.

The average number of pairs of boots, shoes, and slippers produced per wage earner in the United States ranged from 1,528 in 1914 to 1,807 in 1927. In 1927 production in the States for which figures were available ranged from 1,567 to 2,354 pairs per wage earner.

TABLE 11.—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 1929

[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	Number of pairs of boots, shoes, and slippers produced	Average yearly earnings per wage earner	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, shoes, and slippers per wage earner in year
<b>United States:</b>													
1899	1,599	141,830	\$58,440,883	\$168,632,654	\$258,969,590	\$90,336,926	217,965,419	\$412.05	\$1,168.98	\$1,825.92	\$636.04	64.7	1,637
1904	1,316	149,924	69,059,680	197,363,495	320,107,458	122,743,963	242,110,035	460.63	1,316.42	2,135.13	818.71	56.3	1,615
1909	1,343	185,116	92,359,152	277,467,743	442,630,726	165,162,983	285,017,181	498.93	1,498.89	2,391.10	892.21	55.9	1,540
1914	1,355	191,555	105,695,404	310,356,598	501,760,458	191,403,872	292,666,468	551.78	1,620.20	2,619.41	999.21	55.2	1,528
1919	1,449	211,049	210,734,610	715,269,315	1,155,041,436	439,772,121	331,224,628	998.51	3,389.12	5,472.86	2,083.75	47.9	1,699
1921 <sup>1</sup>	1,505	183,502	204,954,095	478,432,445	867,475,896	389,043,451	286,771,101	1,116.90	2,607.23	4,727.34	2,120.10	52.7	1,583
1923 <sup>1</sup>	1,606	225,216	250,345,922	527,456,868	1,000,078,022	472,621,154	351,114,273	1,111.58	2,342.01	4,440.53	2,098.53	53.0	1,559
1925 <sup>1</sup>	1,460	206,992	225,787,981	481,631,964	925,383,422	443,751,458	323,553,055	1,090.81	2,326.82	4,470.63	2,148.81	50.9	1,563
1927 <sup>1</sup>	1,357	203,110	225,090,242	494,553,016	944,714,463	450,161,447	367,067,065	1,108.22	2,434.90	4,651.25	2,216.34	50.0	1,807
1929 <sup>1</sup>	1,329	202,181	218,342,882	510,248,131	953,304,130	443,055,999	363,166,013	1,079.88	2,523.59	4,714.87	2,191.27	49.3	1,796
<b>1927</b>													
Massachusetts	469	55,966	65,282,103	120,363,570	237,516,655	117,163,085	87,731,093	1,166.04	2,149.71	4,242.43	2,092.72	55.7	1,667
New York	818	35,828	51,968,958	95,013,224	190,930,330	95,923,106	54,330,812	1,450.51	2,651.93	5,329.25	2,677.32	54.2	2,354
Missouri	68	24,277	22,874,378	75,882,807	136,988,366	61,115,679	47,851,535	942.22	3,125.71	5,643.13	2,517.43	37.4	1,971
Illinois	57	14,038	13,421,467	35,623,407	71,628,288	36,004,881	27,014,832	956.06	2,537.64	5,102.46	2,564.82	37.3	1,924
Ohio	48	12,993	14,015,745	26,722,985	53,289,298	26,660,312	14,449,148	1,078.72	2,050.72	4,101.39	2,044.66	52.8	1,112
New Hampshire	63	12,114	12,151,051	30,007,761	49,853,099	19,845,348	22,233,149	1,003.06	2,477.11	4,115.33	1,638.22	61.2	1,835
Pennsylvania	107	11,429	11,241,946	21,658,894	43,580,217	21,921,323	18,330,784	983.63	1,895.06	3,813.13	1,918.04	51.3	1,604
Wisconsin	63	11,029	11,404,101	31,680,823	57,315,001	25,634,178	18,273,797	1,034.01	2,872.50	5,196.76	2,324.25	44.5	1,657
Maine	44	9,740	9,044,294	19,284,256	36,663,037	17,378,781	15,733,693	928.57	1,979.90	3,764.17	1,784.27	52.0	1,615
Kentucky	6	2,322	1,619,057	3,921,851	7,518,606	3,596,755	( <sup>2</sup> )	697.27	1,689.00	3,237.99	1,548.99	45.0	( <sup>2</sup> )
Maryland	16	2,198	1,903,045	4,582,444	7,793,894	3,214,450	( <sup>2</sup> )	865.81	2,084.82	3,547.27	1,462.44	59.2	( <sup>2</sup> )
Tennessee	5	1,772	1,239,122	5,100,263	8,681,951	3,681,668	( <sup>2</sup> )	699.28	2,878.26	4,899.52	2,021.26	34.6	( <sup>2</sup> )
Minnesota	11	1,724	1,600,789	3,968,514	6,812,342	2,843,828	( <sup>2</sup> )	932.01	2,301.92	3,951.47	1,649.55	56.5	( <sup>2</sup> )
New Jersey	17	1,389	1,628,845	3,201,822	6,735,998	3,534,176	( <sup>2</sup> )	1,172.67	2,305.13	4,849.53	2,544.40	46.1	( <sup>2</sup> )
Michigan	10	941	949,157	2,871,389	4,811,684	1,940,195	( <sup>2</sup> )	1,008.67	3,051.42	5,113.27	2,061.84	48.9	( <sup>2</sup> )
All other States	55	5,330	4,740,094	14,678,995	24,576,777	9,897,782	* 31,118,223	899.33	2,754.03	4,611.03	1,856.99	47.9	* 1,065

<sup>1</sup> Data for establishments with products less than \$5,000 in value not included.  
<sup>2</sup> Exclusive of stitch-downs, carried to "all other States."

\* Included with all other States.  
 † Including stitch-downs manufactured in the State of Ohio.

## SCOPE AND METHOD

The data used in this report were for all employees (except executives, office clerks, foremen, power-house workers, and those engaged in maintenance or construction of factory buildings) and were taken directly from the pay rolls or other records of representative shoe factories by agents of the bureau. The factories were engaged wholly or mainly in the manufacture of men's, women's, or children's shoes by the welt, McKay, or turn process. Data were not collected from any factory in which 50 per cent or more of the products were slippers, pegged or nailed shoes.

Of the 161 boot and shoe factories included in the 1930 study, 67 produced women's shoes only; 22 produced men's only; 6 produced men's and women's; 11 produced men's and boys'; 6 produced men's, women's, and children's or boys'; 2 produced men's, boys', youths', and children's or little gents'; 2 produced men's, boys', and youths' or little gents'; 1 produced men's and children's; 1 produced boys' and children's; 3 produced women's and children's; 4 produced women's and misses' or girls'; 5 produced women's, misses' and children's; 4 produced girls', misses', and children's; 3 produced misses' and children's; 2 produced girls' only; 1 produced children's only; and 1 produced girls' and misses'; 19 cut insoles or outsoles only; and 1 cut and stitched uppers for other factories of a company.

The welt process of fastening soles to shoes was used by 57 factories; McKay by 38; welt and McKay by 12; welt and turn by 13; welt and stitch-down by 3; welt, McKay, and stitch-down by 1; welt, McKay, and turn by 1; welt, turn, and Littleway by 1; welt and loose nail by 1; welt and composition by 3; welt, McKay, and composition by 2; welt, turn, and composition by 1; composition by 2; turn by 4; turn and McKay by 1; turn and the stitch-down process was used by 1 factory. The other 20 establishments included in the report did not make shoes; 19 cut soles and 1 cut and stitched uppers.

A large number of shoe factories do not cut soles and other sole-leather parts. The soles and parts used in such factories are purchased from companies that specialize in the cutting and sale of them. To get and show representative figures for occupations in the sole-leather department and also for the industry as a whole it was, therefore, necessary to collect wages and hours of labor from a representative number of the companies that specialize in soles and sole-leather parts. In making the 1930 study it was found that each of a few large companies had a central cutting department or plant in which sole-leather parts were prepared for all of the factories of each company. The factories were in different localities and for some companies in more than one State. A representative number of the factories and part of the cutting plant of each company was included in the study of the industry.

A few large and completely equipped factories are represented in this report by only a part of the total number of wage earners in them, as the inclusion of all would have tended to overweight and possibly impair the representative character of the averages for States in which such large factories are located.

Practically all of the factories in the industry pay employees every week. Data for those with a pay period of more than one week were so taken as to make it possible to show wage figures for the wage earners in them for one week.

Data were taken from all except a very few factories for a pay period in January, February, or March, 1930. The averages in the report are, therefore, representative of wage conditions in those months.

A very large per cent of the wage earners in the industry are pieceworkers. In factories where the time actually worked by pieceworkers was not of record arrangements were made by agents of the bureau with the officials of such factories for a day-by-day record to be kept of all time actually worked by each employee who did any piecework during a representative pay-roll period. No separation has been made in the tabulation of data for pieceworkers and time-workers.

Average earnings per hour of wage earners in each occupation, as presented in this report, were computed by dividing the total earnings in one week of wage earners in the occupation by the total hours worked in the week by them.

Average full-time hours per week of wage earners in each occupation were computed by dividing the total full-time hours per week of all wage earners in the occupation by the total number of wage earners in the occupation.

Average full-time earnings per week of wage earners in each occupation were computed by multiplying the average earnings per hour of wage earners 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 earned in the time actually worked in one week.

Full-time hours and earnings per week, as presented in the tables of this report, do not in any way indicate the amount of employment, or of unemployment or of actual earnings per week 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 this study. Some employees in an occupation may have worked more than full time during the pay period taken, due to overtime, and others may have worked less than full time, because of sickness, injury, or entering or leaving the service during the week for other causes.

In selecting factories from which to obtain wage data the bureau endeavored to represent all States in which the manufacture of boots and shoes is of material importance in number of wage earners as reported by the United States Bureau of Census.

Table 12 shows by States the number of wage earners in the industry according to the 1927 census and the number of factories and of wage earners included in the 1930 report. The number of wage earners in the shoe factories in the 16 States, based on the 1927 Census of Manufactures is 97.4 per cent of all wage earners in the industry in the United States. The 55,158 included in the 1930 study of the industry, based on the 1927 census is 27.9 per cent of the total number employed in the 16 States, and 27.2 per cent of the total number in the United States.

TABLE 12.—Number of wage earners in the boot and shoe industry in the United States according to 1927 Census of Manufactures, and number of establishments and wage earners for which data are shown for 1930, by State

State	Number of wage earners reported by United States Census Bureau 1927 <sup>1</sup>	Establishments and wage earners for which data are shown by the Bureau of Labor Statistics for 1930	
		Number of establishments	Number of wage earners
Massachusetts.....	55,986	56	14,922
New York.....	35,828	19	10,074
Missouri.....	24,277	11	6,554
Illinois.....	14,038	6	3,593
Ohio.....	12,993	7	3,274
New Hampshire.....	12,114	9	3,155
Pennsylvania.....	11,429	12	3,019
Wisconsin.....	11,029	9	3,163
Maine.....	9,740	7	2,407
Kentucky.....	2,322	3	765
Maryland and Virginia.....	<sup>2</sup> 2,198	7	1,551
Tennessee.....	1,772	4	959
Minnesota.....	1,724	4	632
New Jersey.....	1,339	3	516
Michigan.....	941	4	603
All other States.....	5,330	.....	.....
Total.....	203,110	161	55,187

<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.

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.

Fitting or stitching department—Con.

- 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).
- Vampers.
- Barrers (including tackers).
- Tongue stitchers.
- Fancy stitchers.
- Backstay stitchers (including back strappers).
- Table workers.
- Lacers (before lasting).

Lasting department:

- Last pickers or sorters (including last casers).
- Assemblers, for pulling-over machine.
- Pullers-over, hand.
- Pullers-over, machine.
- Side lasters, hand.

## Lasting department—Continued.

Side lasters, machine.  
 Bed-machine operators.  
 Hand-method lasting machine operators.  
 Turn lasters, hand (including first and second lasters).  
 Turn lasters, machine.  
 Turn sewers.  
 Tack pullers, hand and machine.

## Bottoming department:

Goodyear welters (including in-seamers).  
 Welt beaters and slashers.  
 Bottom fillers, hand and machine.  
 Sole cementers, hand and machine (including bottom cementers).  
 Sole layers, hand and machine.  
 Rough rounders.  
 Channel openers and channel closers (including channel layers, channel turners, channel cementers, and lip turners).  
 Goodyear stitchers.  
 McKay sewers.  
 Stitch separators (including stitch wheelers).  
 Levelers.  
 Heelers, leather.

## Bottoming department—Continued.

Heelers, wood.  
 Heel trimmers or shavers.  
 Heel breasters.  
 Edge trimmers.  
 Sluggers.

## Finishing department:

Buffers (including bottom scourers).  
 Naumkeag operators.  
 Edge setters.  
 Heel scourers (including first and second scourers).  
 Heel burnishers (including stoners, expeditors, and heel slickers).  
 Bottom finishers (including bottom slickers).  
 Brushers.  
 Shoe cleaners.  
 Last pullers, hand and machine.  
 Treers, hand and machine.  
 Repairers (not cobblers) (including tip fixers and scourers).  
 Dressers.  
 Sock liners (including heel-lining, heel-pad, and heel-pin pasters).  
 Lacers (before packing).  
 Packers.

All wage earners employed in occupations not listed above are tabulated as "other employees."

## GENERAL TABLES

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State. The table shows for each occupation and State all of the various averages that were computed from the wage figures collected in 1930.

*Average full-time hours per week and average hours actually worked in one week* are presented in parallel columns for the purpose of making easy the comparison of the hours that would have been worked in one week had all wage earners in the occupation worked no more nor less than full time with the average hours that were actually worked in the week. One shows the full-time hours per week under normal conditions, and the other shows the hours that were actually worked in one week.

On page 71, the table shows that the 31,549 males in the 161 factories worked on an average of 5.4 days in one week; that their average full-time hours per week were 48.8; that they actually worked an average of 42.7 hours in the week, or 87.5 per cent of full time; that they earned an average of 60.4 cents per hour and \$25.79 in the week; and that had they worked full time at the same average per hour as was earned in the 42.7 hours, they would have earned an average of \$29.48 in the week. It will be observed that like figures are shown for males in each of the 15 States or group of two States included

in the report; also for the 23,609 females of 152 factories and 55,158 males and females in all occupations in the 161 factories covered in the study.

Tables B and C are distribution tables and limited to 14 specified occupations.

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1930, by department, sex, and State.

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1930, by department, sex, and State.

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State

CUTTING DEPARTMENT

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Cutters, vamp and whole shoe, hand, male:</b>									
Illinois.....	3	100	5.0	48.3	41.8	86.5	\$0.868	\$41.83	\$36.21
Kentucky.....	3	34	5.3	51.0	48.0	94.1	.655	28.31	26.68
Maine.....	7	129	5.7	52.8	49.3	93.3	.602	31.79	29.94
Maryland and Virginia.....	5	63	4.7	48.8	38.9	79.7	.638	31.13	24.86
Massachusetts.....	45	820	5.3	48.3	40.3	83.4	.659	41.49	34.63
Michigan.....	2	11	5.2	50.0	45.6	91.2	.641	27.05	24.66
Minnesota.....	3	9	5.0	49.2	39.8	80.9	.581	28.59	23.13
Missouri.....	4	157	5.5	48.6	45.5	93.5	.777	37.76	35.36
New Hampshire.....	7	58	5.3	49.4	40.4	79.8	.649	32.06	25.66
New Jersey.....	3	21	5.5	45.6	36.3	86.2	.831	37.89	32.69
New York.....	19	444	5.6	47.6	44.3	93.1	.894	42.55	39.66
Ohio.....	7	124	4.2	49.8	29.6	59.6	.780	38.66	23.09
Pennsylvania.....	3	103	5.5	50.1	43.4	86.6	.616	30.86	26.75
Tennessee.....	3	18	5.2	54.2	44.2	81.7	.515	27.91	22.79
Wisconsin.....	3	96	5.7	48.6	47.2	97.1	.716	34.80	33.81
<b>Total.....</b>	<b>127</b>	<b>2,226</b>	<b>5.3</b>	<b>48.7</b>	<b>42.0</b>	<b>86.2</b>	<b>.796</b>	<b>38.77</b>	<b>33.46</b>
<b>Cutters, vamp and whole shoe, machine, male:</b>									
Illinois.....	3	82	5.2	49.0	39.5	80.6	.797	39.05	31.49
Kentucky.....	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> )
Maine.....	4	24	6.0	53.4	63.0	99.3	.586	31.29	31.01
Maryland and Virginia.....	3	14	5.4	49.6	42.4	85.5	.637	31.60	26.96
Massachusetts.....	8	111	5.0	48.0	38.0	79.2	.801	38.45	30.44
Michigan.....	4	24	5.0	49.2	43.6	88.6	.591	29.08	25.79
Minnesota.....	3	25	5.3	50.5	43.8	86.7	.605	30.55	26.63
Missouri.....	3	125	5.0	50.0	43.7	87.4	.644	27.20	23.77
New Hampshire.....	7	97	5.5	48.8	39.4	80.7	.621	30.30	24.45
New Jersey.....	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> )
New York.....	4	160	5.2	48.8	44.4	91.0	.729	35.58	32.34
Ohio.....	3	66	4.2	45.0	35.8	78.9	.653	29.39	23.14
Pennsylvania.....	4	48	5.9	53.5	52.3	97.6	.641	28.94	28.33
Tennessee.....	3	37	5.7	50.7	48.7	96.1	.508	25.76	24.76
Wisconsin.....	7	128	4.9	50.7	42.1	83.0	.713	36.15	30.00
<b>Total.....</b>	<b>58</b>	<b>958</b>	<b>5.2</b>	<b>49.4</b>	<b>42.5</b>	<b>86.0</b>	<b>.663</b>	<b>32.75</b>	<b>28.19</b>
<b>Cutters, vamp and whole shoe, machine, female:</b>									
Illinois.....	2	14	5.1	50.0	33.3	66.6	.549	27.43	18.26
Michigan.....	3	8	5.3	49.2	45.8	93.1	.467	22.96	21.26
Missouri.....	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> )
Tennessee.....	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.....	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> )
<b>Total.....</b>	<b>8</b>	<b>30</b>	<b>4.8</b>	<b>49.9</b>	<b>33.4</b>	<b>70.9</b>	<b>.506</b>	<b>25.25</b>	<b>17.62</b>

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## CUTTING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Cutters, trimmings, hand (including dinkers and blockers), male:</b>									
Illinois.....	3	18	5.1	49.4	38.9	78.7	\$0.353	\$17.44	\$13.78
Kentucky.....	3	6	3.0	54.7	55.2	100.9	.217	11.87	11.97
Maine.....	6	61	5.6	53.5	47.8	89.3	.363	19.42	17.36
Maryland and Virginia.....	3	15	5.3	48.9	48.9	89.8	.469	22.93	20.69
Massachusetts.....	39	261	5.2	48.2	38.4	79.7	.560	26.99	21.61
Minnesota.....	2	4	4.8	49.1	34.4	70.1	.497	24.40	17.06
Missouri.....	4	41	5.2	48.9	43.3	88.5	.390	19.07	16.85
New Hampshire.....	5	26	5.6	48.8	42.1	86.3	.395	19.26	16.85
New York.....	15	133	5.6	47.0	43.0	91.5	.609	28.62	26.22
Ohio.....	5	30	4.4	49.3	32.4	65.7	.436	21.49	14.11
Pennsylvania.....	8	28	5.5	50.4	42.2	83.7	.495	24.95	20.88
Tennessee.....	2	8	4.6	55.0	37.4	68.0	.396	21.78	14.83
Wisconsin.....	6	40	5.8	48.4	45.8	94.6	.532	25.76	24.37
<b>Total.....</b>	<b>101</b>	<b>671</b>	<b>5.8</b>	<b>48.9</b>	<b>41.2</b>	<b>84.3</b>	<b>.509</b>	<b>24.89</b>	<b>20.99</b>
<b>Cutters, trimmings, hand (including dinkers and blockers), female:</b>									
Illinois.....	2	5	5.2	48.4	39.7	82.0	.480	23.28	19.06
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	2	5	5.6	48.0	45.0	93.8	.409	19.63	18.38
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Minnesota.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	2	4	5.3	47.7	41.9	87.8	.533	25.48	22.32
Wisconsin.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Total.....</b>	<b>10</b>	<b>22</b>	<b>5.3</b>	<b>49.0</b>	<b>40.7</b>	<b>83.1</b>	<b>.406</b>	<b>19.85</b>	<b>16.49</b>
<b>Cutters, trimmings, machine, male:</b>									
Illinois.....	3	20	5.9	49.1	49.7	101.2	.489	24.01	24.28
Kentucky.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maine.....	4	11	5.5	54.1	47.6	88.0	.411	22.24	19.57
Maryland and Virginia.....	3	10	5.4	50.4	46.8	92.9	.340	17.14	15.91
Massachusetts.....	8	20	5.5	48.2	37.4	77.6	.619	29.84	23.13
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Minnesota.....	2	9	5.7	51.1	46.7	91.4	.340	17.37	16.87
Missouri.....	3	27	5.6	49.7	47.0	94.6	.445	22.12	20.90
New Hampshire.....	3	16	4.6	51.3	33.0	64.3	.555	28.47	18.32
New Jersey.....	2	3	3.7	46.8	41.8	89.3	.653	30.55	27.29
New York.....	6	40	3.3	48.8	45.9	94.1	.542	26.45	24.85
Ohio.....	3	11	4.2	47.7	30.3	63.5	.464	21.66	13.79
Pennsylvania.....	5	16	5.7	53.1	50.6	95.3	.345	18.32	17.47
Tennessee.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Wisconsin.....	5	36	5.8	51.9	44.5	85.7	.463	24.03	20.57
<b>Total.....</b>	<b>50</b>	<b>225</b>	<b>5.4</b>	<b>50.3</b>	<b>44.2</b>	<b>87.9</b>	<b>.467</b>	<b>23.49</b>	<b>20.62</b>
<b>Cutters, trimmings, machine, female:</b>									
Illinois.....	2	8	5.3	48.3	42.6	88.2	.437	20.62	18.19
Massachusetts.....	7	17	5.0	48.0	39.4	82.1	.541	25.97	21.32
Michigan.....	2	7	5.3	50.0	43.9	87.8	.377	13.85	12.16
Missouri.....	3	15	5.0	48.3	41.9	86.7	.414	20.00	17.33
New York.....	2	3	6.0	49.4	36.4	73.7	.424	20.95	15.42
Ohio.....	2	20	3.8	49.8	25.4	51.0	.453	22.56	11.50
Pennsylvania.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Tennessee.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Wisconsin.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Total.....</b>	<b>21</b>	<b>87</b>	<b>4.8</b>	<b>49.0</b>	<b>37.5</b>	<b>76.5</b>	<b>.411</b>	<b>20.14</b>	<b>15.43</b>

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



TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State.—Contd.

CUTTING DEPARTMENT.—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Skivers, upper, male:</b>									
Maine.....	3	4	6.0	52.0	52.5	100.6	\$0.344	\$17.88	\$17.06
Maryland and Virginia.....	3	5	5.0	49.5	41.2	83.2	.306	15.15	12.60
Massachusetts.....	16	51	5.1	45.0	41.1	85.6	.690	33.12	28.40
Michigan.....	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> )
New Hampshire.....	2	2	6.0	50.3	49.4	98.2	.375	18.86	18.54
New York.....	6	20	6.0	44.6	48.5	108.7	.944	42.10	45.73
Pennsylvania.....	2	3	5.3	53.0	44.2	83.4	.441	23.87	19.45
Tennessee.....	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	11	5.7	50.5	48.2	95.4	.415	20.95	20.00
Total.....	36	104	5.4	48.3	44.1	91.3	.651	31.44	28.73
<b>Skivers, upper, female:</b>									
Illinois.....	5	45	5.1	48.5	43.2	89.1	.482	23.38	20.80
Kentucky.....	3	15	5.5	51.8	49.3	95.2	.309	16.01	15.23
Maine.....	7	22	5.7	52.2	45.3	86.8	.463	25.21	23.45
Maryland and Virginia.....	5	15	4.5	48.8	33.6	68.9	.371	18.10	12.35
Massachusetts.....	36	161	5.2	47.9	38.3	80.0	.561	26.39	21.11
Michigan.....	4	10	4.9	49.5	42.8	86.5	.316	15.64	13.63
Minnesota.....	4	11	5.4	49.9	46.2	92.6	.318	15.87	14.69
Missouri.....	8	58	5.5	49.4	45.5	92.1	.409	20.20	18.59
New Hampshire.....	7	47	5.2	48.7	35.9	73.7	.378	18.41	13.54
New Jersey.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
New York.....	15	101	5.4	48.3	42.9	88.8	.493	23.81	21.12
Ohio.....	7	65	4.5	48.0	32.8	68.3	.360	17.28	11.63
Pennsylvania.....	8	39	5.5	50.2	43.1	85.9	.386	19.38	16.80
Tennessee.....	4	18	5.7	51.7	45.0	87.0	.292	15.10	13.14
Wisconsin.....	7	55	5.4	48.9	43.6	89.2	.408	19.95	17.78
Total.....	121	664	5.2	48.8	40.8	83.6	.447	21.81	18.22
<b>Cutters, linings, hand, male:</b>									
Illinois.....	3	5	5.4	49.2	47.0	95.5	.625	30.75	29.39
Kentucky.....	2	11	5.4	50.5	46.0	91.1	.322	16.26	14.81
Maine.....	7	30	5.6	52.2	47.8	91.6	.510	26.62	24.35
Maryland and Virginia.....	3	15	4.7	48.2	38.2	79.3	.476	22.94	18.16
Massachusetts.....	39	210	5.1	48.1	39.3	81.7	.685	32.95	26.90
Michigan.....	2	4	5.8	50.0	47.4	94.8	.522	26.10	24.74
Minnesota.....	3	4	5.0	49.3	40.1	81.3	.482	23.76	19.32
Missouri.....	4	17	4.9	48.1	36.6	82.8	.739	35.55	29.27
New Hampshire.....	4	17	5.1	50.3	41.9	83.3	.303	25.30	21.09
New Jersey.....	2	13	5.9	44.0	40.6	92.3	.748	32.91	30.35
New York.....	18	82	5.4	48.0	42.8	89.2	.655	31.44	28.05
Ohio.....	3	27	4.1	50.0	28.2	56.4	.621	31.05	17.54
Pennsylvania.....	5	11	5.5	49.2	43.8	89.0	.610	30.01	26.71
Wisconsin.....	6	20	5.8	49.0	46.7	95.3	.514	25.19	23.98
Total.....	101	466	5.2	48.6	40.7	83.7	.630	30.62	25.62
<b>Cutters, linings, machine, male:</b>									
Illinois.....	4	35	5.3	48.8	47.1	96.5	.590	28.38	24.51
Kentucky.....	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> )
Maine.....	2	3	6.0	54.0	54.5	100.9	.666	30.56	30.87
Maryland and Virginia.....	2	2	6.0	50.5	56.7	112.3	.652	37.68	31.27
Massachusetts.....	8	39	5.1	48.0	40.1	83.5	.648	31.10	25.97
Michigan.....	4	10	5.0	49.8	41.8	83.9	.446	22.31	18.69
Minnesota.....	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> )
Missouri.....	7	31	5.6	49.4	45.1	97.4	.432	21.34	20.77
New Hampshire.....	6	41	5.8	49.1	40.4	82.3	.342	16.79	13.80
New York.....	5	59	5.1	49.0	43.8	89.4	.909	29.84	28.65
Ohio.....	4	17	5.0	45.6	44.5	97.6	.463	21.11	20.60
Pennsylvania.....	5	11	5.5	51.4	48.6	94.6	.422	21.69	20.50
Tennessee.....	4	18	5.1	50.8	44.3	87.2	.373	14.43	12.53
Wisconsin.....	4	21	5.0	50.0	42.6	85.2	.504	25.20	21.48
Total.....	57	350	5.3	49.2	44.7	90.9	.481	23.67	21.60

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## CUTTING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Cutters, linings, machine, female:</b>									
Illinois.....	3	12	5.3	49.3	41.1	83.4	\$0.451	\$22.23	\$18.54
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Tennessee.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
<b>Total.....</b>	<b>6</b>	<b>21</b>	<b>4.9</b>	<b>49.7</b>	<b>39.1</b>	<b>78.7</b>	<b>.394</b>	<b>19.58</b>	<b>15.31</b>

## SOLE-LEATHER DEPARTMENT

<b>Cutters, outsole, male:</b>									
Illinois.....	3	14	5.1	48.9	43.8	89.6	\$0.711	\$34.77	\$31.11
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	19	78	5.8	48.4	47.7	98.6	.752	36.40	35.91
Michigan.....	2	5	3.6	50.0	28.8	57.6	.808	40.40	23.21
Minnesota.....	2	5	5.2	48.9	45.5	93.0	.551	26.94	25.01
Missouri.....	3	73	5.9	48.0	47.1	98.1	.529	39.79	39.01
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	4	45	4.2	47.9	35.0	73.1	.771	35.93	26.91
Ohio.....	3	12	4.9	47.9	36.5	76.2	.642	30.75	23.41
Pennsylvania.....	7	25	5.9	50.6	49.6	98.0	.616	31.17	30.57
Wisconsin.....	3	23	5.4	50.3	44.7	88.9	.633	31.84	28.21
<b>Total.....</b>	<b>48</b>	<b>293</b>	<b>5.5</b>	<b>48.6</b>	<b>44.6</b>	<b>91.8</b>	<b>.744</b>	<b>36.16</b>	<b>33.16</b>
<b>Cutters, insole, male:</b>									
Illinois.....	3	12	4.8	48.5	40.8	84.1	.694	33.66	28.34
Maine.....	3	4	6.0	53.0	51.6	97.4	.790	20.67	20.11
Maryland and Virginia.....	2	3	6.0	50.2	51.8	103.2	.620	31.12	32.13
Massachusetts.....	18	68	5.6	48.0	44.9	93.5	.623	29.90	28.01
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	2	4	6.0	51.4	51.4	100.0	.448	23.01	23.01
Missouri.....	3	80	5.8	48.0	45.7	95.2	.754	36.19	34.48
New Hampshire.....	4	40	5.0	48.1	42.5	88.4	.636	30.59	27.03
New York.....	5	19	4.9	45.6	41.1	84.8	.732	35.53	30.11
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Pennsylvania.....	5	101	5.8	50.7	48.4	95.5	.471	28.88	22.80
Wisconsin.....	2	13	5.2	50.8	42.3	83.3	.571	29.01	24.17
<b>Total.....</b>	<b>49</b>	<b>353</b>	<b>5.5</b>	<b>49.0</b>	<b>45.4</b>	<b>92.7</b>	<b>.608</b>	<b>30.79</b>	<b>27.57</b>
<b>Rounders, outsole and insole, male:</b>									
Illinois.....	5	16	5.4	49.4	39.4	79.8	.527	26.08	20.77
Kentucky.....	3	4	5.8	53.9	53.5	99.3	.634	34.17	33.90
Maine.....	6	11	5.9	52.5	49.1	93.5	.534	28.04	26.23
Maryland and Virginia.....	3	4	4.3	48.6	34.0	70.0	.461	22.40	15.65
Massachusetts.....	28	42	5.4	48.5	41.4	85.4	.744	36.08	30.82
Michigan.....	2	9	5.6	50.0	47.9	95.8	.535	28.75	25.61
Minnesota.....	3	5	5.8	50.1	46.8	93.4	.400	20.04	18.72
Missouri.....	4	12	5.7	49.7	48.8	98.2	.565	28.08	27.60
New Hampshire.....	7	17	4.9	48.9	37.3	76.3	.596	29.10	22.20
New Jersey.....	3	5	5.3	46.7	47.6	104.2	.622	28.43	29.53
New York.....	16	32	5.8	48.2	44.9	93.2	.739	35.62	33.11
Ohio.....	5	13	4.6	48.4	33.9	70.0	.630	30.49	21.37
Pennsylvania.....	5	7	5.1	52.7	42.1	80.0	.468	24.66	19.71
Tennessee.....	2	4	5.6	50.0	46.5	93.0	.454	22.70	21.10
Wisconsin.....	4	6	5.5	50.7	45.5	89.7	.470	23.83	21.37
<b>Total.....</b>	<b>98</b>	<b>187</b>	<b>5.4</b>	<b>49.3</b>	<b>42.9</b>	<b>87.0</b>	<b>.622</b>	<b>30.66</b>	<b>26.66</b>
<b>Chanelers, outsole and insole, male:</b>									
Illinois.....	4	13	5.5	48.6	42.3	87.0	.313	39.51	34.39
Kentucky.....	2	6	5.8	50.7	52.1	102.8	.511	25.91	26.68
Maine.....	5	10	5.7	52.8	48.3	91.5	.510	26.93	24.64
Maryland and Virginia.....	4	5	5.0	49.0	42.1	85.9	.600	29.40	25.28
Massachusetts.....	30	53	5.5	48.6	39.7	81.7	.858	41.10	34.05
Michigan.....	4	10	4.8	49.5	42.1	85.1	.531	26.28	22.34
Minnesota.....	3	3	5.7	50.0	46.0	92.0	.502	25.10	23.08
Missouri.....	5	9	5.6	49.8	46.5	93.4	.687	34.21	31.95
New Hampshire.....	7	14	5.0	48.8	32.3	66.2	.660	32.21	21.81

1 Data included in total.

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

SOLE-LEATHER DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Channelers, outsole and insole, male—Continued.</b>									
New Jersey.....	3	5	5.0	47.4	47.4	100.0	\$0.712	\$33.74	\$33.74
New York.....	12	28	5.9	48.8	46.1	94.5	.705	34.40	32.47
Ohio.....	5	18	5.1	47.7	39.1	82.0	.583	27.81	22.80
Pennsylvania.....	6	8	5.4	52.1	44.9	86.2	.551	28.71	24.75
Tennessee.....	2	5	5.6	50.0	47.6	95.2	.453	22.65	21.54
Wisconsin.....	6	11	5.6	51.0	47.3	92.7	.632	32.23	29.89
Total.....	68	198	5.5	49.3	42.6	86.4	.686	33.82	29.22
<b>Cutters, top and heel lifts, machine, male:</b>									
Illinois.....	2	12	4.8	49.0	41.7	85.1	.524	25.68	21.88
Massachusetts.....	6	23	5.6	48.0	44.8	93.3	.500	24.00	22.39
Missouri.....	3	112	4.8	49.0	38.1	79.4	.604	28.99	23.04
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	5	8	5.6	48.0	37.9	79.0	.480	23.47	18.54
Ohio.....	2	8	4.6	50.0	26.7	53.4	.475	23.75	12.69
Pennsylvania.....	4	23	6.0	53.5	52.3	97.8	.432	23.11	22.69
Wisconsin.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	25	211	5.0	48.8	40.6	83.2	.554	27.04	22.62
<b>Heel builders, hand, male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri.....	3	20	5.9	48.0	46.9	97.7	.662	26.98	26.35
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pennsylvania.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Wisconsin.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	8	29	5.9	48.3	47.2	97.7	.641	26.13	25.53
<b>Heel builders, hand, female:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	6	28	5.1	48.0	40.5	84.4	.458	21.98	18.52
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pennsylvania.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	9	44	5.0	48.8	40.7	83.4	.424	20.69	17.26
<b>Heel builders, machine (including compressors), male:</b>									
Illinois.....	2	5	5.6	48.9	47.1	96.3	.442	21.61	20.81
Massachusetts.....	6	7	5.6	48.0	44.7	93.1	.499	23.95	22.30
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Minnesota.....	2	2	6.0	50.3	50.3	100.0	.488	24.53	24.53
Missouri.....	3	11	5.5	48.0	45.3	94.4	.572	27.46	25.68
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Ohio.....	2	6	3.7	50.0	25.3	50.6	.448	22.40	11.36
Pennsylvania.....	5	12	5.8	53.8	52.4	97.4	.408	21.95	21.33
Wisconsin.....	3	10	5.4	51.4	45.1	87.7	.456	23.44	20.50
Total.....	26	66	5.2	50.0	43.8	87.6	.483	24.15	21.16
<b>Heel builders, machine (including compressors) female:</b>									
Illinois.....	3	9	5.7	48.3	46.8	96.9	.409	19.75	19.11
Massachusetts.....	3	8	5.1	48.0	31.6	65.8	.504	24.19	15.94
Minnesota.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri.....	3	48	5.4	48.0	45.7	95.0	.439	21.07	19.16
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Ohio.....	3	5	6.0	50.0	28.6	57.2	.351	17.53	10.40
Pennsylvania.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Wisconsin.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	16	138	4.9	48.8	40.4	82.8	.418	20.40	16.87

1 Data included in total.

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## FITTING AND STITCHING DEPARTMENT—

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Stampers, linings or uppers (including markers), male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Kentucky.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	2	3	6.0	50.5	53.3	105.5	\$0.231	\$11.67	\$12.30
Massachusetts.....	5	5	4.4	47.4	36.9	77.8	.452	21.42	16.68
New York.....	3	5	5.8	46.8	42.0	89.7	.421	19.70	17.68
Pennsylvania.....	3	5	5.3	48.6	46.0	94.7	.319	15.50	14.68
Tennessee.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	2	10	5.3	53.0	41.3	77.9	.353	18.71	14.56
Total.....	18	32	5.5	50.4	44.4	88.1	.352	17.74	15.63
<b>Stampers, linings or uppers (including markers), female:</b>									
Illinois.....	5	50	5.4	48.9	44.3	90.6	.373	18.24	16.50
Kentucky.....	2	8	6.0	51.7	48.9	94.6	.271	14.01	13.22
Maine.....	7	43	5.6	52.4	47.1	89.9	.349	18.29	16.43
Maryland and Virginia.....	4	15	4.6	48.7	38.6	79.3	.311	15.15	12.00
Massachusetts.....	40	206	5.3	47.9	39.1	81.6	.423	20.26	16.54
Michigan.....	4	7	4.7	49.3	41.8	83.8	.263	12.97	10.86
Minnesota.....	4	12	4.9	50.2	39.7	79.1	.303	15.21	12.02
Missouri.....	8	64	5.4	48.9	43.9	89.8	.375	18.34	16.45
New Hampshire.....	8	54	5.5	48.7	40.4	83.0	.319	15.54	12.91
New Jersey.....	2	5	6.0	44.0	40.9	93.0	.426	18.74	17.42
New York.....	17	109	5.6	48.3	44.1	91.3	.432	20.87	19.07
Ohio.....	7	53	4.8	48.6	35.0	72.0	.356	17.30	12.49
Pennsylvania.....	8	42	5.6	49.1	40.8	83.1	.320	15.71	13.04
Tennessee.....	4	8	5.9	51.9	49.2	94.8	.284	14.74	13.96
Wisconsin.....	9	52	5.3	48.8	42.4	86.9	.383	18.69	16.24
Total.....	129	728	5.4	48.8	41.5	85.0	.382	18.64	15.83
<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Kentucky.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	2	5	5.4	50.5	44.4	87.9	.249	12.57	11.07
Massachusetts.....	3	8	6.0	49.5	45.1	91.1	.475	23.51	21.45
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	2	2	5.5	50.0	46.2	92.4	.348	17.40	16.08
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	3	24	5.9	48.0	47.8	100.2	.711	32.00	33.97
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Pennsylvania.....	2	6	5.8	49.0	48.3	98.6	.502	24.60	24.28
Tennessee.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	2	2	4.0	50.0	34.0	68.0	.332	17.60	11.96
Total.....	21	58	5.8	47.7	46.5	97.5	.537	25.61	24.93
<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), female:</b>									
Illinois.....	5	103	5.5	49.5	45.4	91.7	.300	14.88	13.60
Kentucky.....	3	29	5.8	51.7	51.5	99.6	.283	14.63	14.60
Maine.....	7	94	5.6	53.0	45.0	84.9	.305	15.17	13.74
Maryland and Virginia.....	6	61	4.3	48.9	35.7	73.0	.217	10.61	7.75
Massachusetts.....	42	422	5.4	47.9	40.9	85.4	.381	18.25	15.69
Michigan.....	3	10	4.6	49.5	40.6	82.0	.219	10.84	8.90
Minnesota.....	3	12	4.8	49.3	37.8	76.7	.251	12.37	9.47
Missouri.....	8	165	5.4	48.9	44.9	91.8	.315	15.40	14.14
New Hampshire.....	8	94	5.3	49.3	37.8	76.7	.291	14.35	10.93
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	18	290	5.4	48.3	42.1	87.2	.375	18.11	15.79
Ohio.....	7	119	4.7	48.2	33.7	69.9	.330	15.91	11.10
Pennsylvania.....	7	113	5.5	49.8	43.4	87.1	.281	13.99	12.20
Tennessee.....	4	27	5.5	52.0	45.5	87.5	.229	11.91	10.42
Wisconsin.....	9	83	5.4	48.9	43.3	88.5	.330	16.14	14.29
Total.....	130	1,636	5.3	48.9	41.7	85.3	.335	16.38	13.96

1 Data included in total.

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

FITTING AND STITCHING DEPARTMENT—Continued<sup>1</sup>

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Folders, hand and machine, male:</b>									
Maryland and Virginia.....	2	2	6.0	50.5	50.5	100.0	\$0.414	\$20.93	\$20.93
Missouri.....	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> )
New York.....	6	64	5.7	44.3	47.1	106.3	1.095	48.51	61.54
Pennsylvania.....	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> )
Total.....	10	70	5.7	44.7	47.2	105.6	1.036	48.31	48.53
<b>Folders, hand and machine, female:</b>									
Illinois.....	5	100	5.8	49.2	47.4	96.3	.358	17.61	16.97
Kentucky.....	3	21	5.6	51.3	51.8	101.0	.241	12.36	12.47
Maine.....	7	38	5.7	53.3	46.8	87.8	.362	19.29	16.91
Maryland and Virginia.....	4	29	4.8	48.5	36.7	75.7	.280	13.68	10.27
Massachusetts.....	43	410	5.5	47.8	40.2	84.1	.440	21.03	17.67
Michigan.....	2	6	5.7	50.0	48.3	96.6	.264	13.20	12.77
Minnesota.....	4	11	4.9	49.4	38.5	77.9	.367	17.64	13.73
Missouri.....	8	102	5.3	48.7	42.7	87.7	.345	16.80	14.75
New Hampshire.....	8	64	5.3	48.8	37.9	77.7	.326	15.91	12.34
New Jersey.....	2	5	5.0	44.0	43.1	96.0	.422	18.67	18.18
New York.....	13	229	5.6	48.4	43.9	90.7	.404	19.55	17.22
Ohio.....	7	82	4.8	48.6	36.3	74.7	.352	17.11	12.77
Pennsylvania.....	8	43	5.2	49.5	39.3	79.4	.315	15.69	12.38
Tennessee.....	3	17	5.1	51.5	44.6	86.6	.276	14.32	12.40
Wisconsin.....	8	51	5.3	48.7	42.1	86.4	.449	21.57	18.91
Total.....	130	1,208	5.4	48.0	41.3	86.0	.383	18.86	16.20
<b>Perforators, male:</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> )
Maine.....	2	3	6.3	52.7	37.3	108.7	.530	27.93	30.37
Maryland and Virginia.....	3	7	5.4	48.9	43.4	88.8	.389	19.02	16.88
Massachusetts.....	3	4	6.0	48.0	46.0	95.8	.610	29.28	26.04
New Jersey.....	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> )
New York.....	6	23	5.7	46.8	46.2	98.7	.703	32.90	32.48
Pennsylvania.....	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> )
Tennessee.....	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> )
Total.....	18	41	5.7	47.8	46.2	96.7	.616	29.44	28.45
<b>Perforators, female:</b>									
Illinois.....	4	16	5.1	48.3	42.3	86.7	.602	24.50	21.23
Kentucky.....	2	3	6.0	53.0	55.7	105.1	.197	10.44	10.98
Maine.....	5	13	4.8	53.4	40.9	76.6	.433	23.12	17.72
Maryland and Virginia.....	4	12	5.5	49.2	43.7	88.8	.354	17.42	15.45
Massachusetts.....	26	75	5.1	48.0	37.8	77.7	.521	25.01	16.41
Michigan.....	2	4	4.8	50.0	44.0	88.0	.304	15.20	13.22
Minnesota.....	2	4	4.8	49.0	39.1	79.8	.320	15.68	12.52
Missouri.....	3	26	5.3	49.6	45.5	91.7	.364	18.05	16.59
New Hampshire.....	6	23	5.3	48.9	32.9	67.3	.408	20.00	13.45
New Jersey.....	2	3	5.7	46.8	44.8	95.7	.498	23.31	22.29
New York.....	14	26	5.4	48.0	41.4	86.2	.496	24.11	20.54
Ohio.....	5	21	5.0	47.8	35.7	74.6	.337	17.06	13.05
Pennsylvania.....	3	21	5.0	51.2	45.6	89.1	.338	17.31	15.42
Tennessee.....	4	8	5.0	51.9	43.0	84.0	.291	15.10	12.66
Wisconsin.....	7	17	5.4	49.2	42.1	85.6	.465	22.53	19.59
Total.....	99	272	5.3	49.1	40.3	82.1	.430	21.11	17.36
<b>Tip stitchers, female:</b>									
Illinois.....	3	27	5.3	48.3	47.7	98.8	.596	28.79	28.43
Maine.....	2	7	5.6	50.0	44.8	89.6	.443	22.15	19.34
Massachusetts.....	16	63	5.2	48.0	40.0	83.3	.498	23.90	19.94
Michigan.....	2	6	4.8	50.0	42.6	85.2	.367	18.35	15.62
Minnesota.....	3	7	5.0	49.6	40.8	81.7	.325	15.12	13.16
Missouri.....	2	41	5.6	50.0	46.5	93.0	.312	15.60	14.57
New Hampshire.....	5	23	5.2	48.7	35.9	73.7	.352	18.60	13.72
New Jersey.....	2	9	5.9	44.0	38.0	86.4	.520	22.58	19.70
New York.....	6	26	5.2	44.1	41.0	93.0	.463	21.90	19.85
Ohio.....	4	27	5.1	48.9	41.6	85.7	.397	18.62	15.53
Pennsylvania.....	3	15	5.6	50.3	44.5	88.7	.356	17.91	15.85
Tennessee.....	2	14	5.7	52.1	46.8	89.8	.315	16.41	14.78
Wisconsin.....	7	36	5.3	49.3	46.8	94.9	.444	21.89	20.78
Total.....	53	300	5.4	48.7	43.0	88.3	.433	21.04	18.60

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## FITTING AND STITCHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Closers or seamers, female:</b>									
Illinois.....	5	27	5.6	49.1	45.1	91.9	\$0.421	\$20.67	\$18.99
Kentucky.....	3	9	5.8	53.0	50.9	96.0	.242	12.83	12.31
Maine.....	6	18	5.5	52.7	43.8	83.1	.347	18.29	15.20
Maryland and Virginia.....	4	13	5.5	48.7	45.6	93.6	.262	12.78	11.94
Massachusetts.....	38	92	5.6	47.9	41.3	86.2	.465	22.32	19.26
Michigan.....	4	9	4.9	49.7	42.8	86.1	.317	15.75	13.57
Minnesota.....	3	4	5.5	50.8	45.5	89.6	.368	18.44	16.50
Missouri.....	7	25	4.9	49.4	41.1	83.2	.314	15.51	12.91
New Hampshire.....	8	12	5.3	50.1	33.3	66.5	.530	16.53	11.00
New Jersey.....	3	7	5.3	50.1	41.4	82.6	.678	28.96	23.92
New York.....	17	98	5.1	48.3	41.5	85.9	.458	22.12	18.98
Ohio.....	7	38	4.6	48.0	36.0	75.0	.378	18.14	13.61
Pennsylvania.....	6	18	5.8	49.5	46.6	94.1	.335	16.58	15.59
Tennessee.....	4	10	5.5	52.0	46.0	88.5	.274	14.25	12.59
Wisconsin.....	7	18	4.9	49.4	40.2	81.4	.393	19.41	15.81
Total.....	122	398	5.3	49.0	41.7	85.1	.404	19.80	16.84
<b>Seam rubbers, hand and machine, male:</b>									
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	8	13	5.5	48.0	41.8	87.1	.386	18.53	16.12
New York.....	2	4	6.0	44.0	49.3	112.0	.491	21.60	24.17
Total.....	11	18	5.6	47.4	44.1	93.0	.409	19.39	18.05
<b>Seam rubbers, hand and machine, female:</b>									
Illinois.....	5	13	5.7	49.2	46.6	94.7	.242	16.83	15.92
Kentucky.....	2	5	5.6	52.8	50.0	94.7	.241	12.72	12.02
Maine.....	5	11	5.9	52.9	49.8	94.1	.297	15.71	14.77
Maryland and Virginia.....	2	3	4.0	48.8	32.3	66.2	.208	9.91	6.56
Massachusetts.....	17	28	5.6	47.8	41.8	87.4	.409	19.55	17.09
Michigan.....	3	4	4.3	49.4	37.0	74.9	.273	13.49	10.10
Minnesota.....	2	2	3.5	49.8	28.3	56.8	.350	17.88	10.14
Missouri.....	7	28	5.4	49.5	45.2	91.3	.296	14.65	13.39
New Hampshire.....	5	7	4.9	49.5	34.1	68.9	.246	12.18	8.39
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	9	21	5.5	49.0	43.2	88.2	.340	17.64	15.57
Ohio.....	4	7	5.0	48.6	34.3	70.6	.281	13.66	9.63
Pennsylvania.....	4	8	5.1	50.4	41.8	82.9	.435	21.92	18.15
Tennessee.....	2	3	6.0	51.7	49.5	95.7	.250	12.93	12.37
Wisconsin.....	7	18	5.5	48.8	44.6	91.4	.328	16.01	14.65
Total.....	75	159	5.4	49.4	43.1	87.2	.333	16.45	14.37
<b>Lining makers (including lining closers and side and top facing stitchers), male:</b>									
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	2	2	6.0	49.9	44.4	89.0	.419	20.91	18.60
New York.....	3	7	6.0	44.0	41.4	94.1	.396	39.42	37.12
Total.....	6	12	6.0	47.5	44.9	94.5	.716	34.01	32.16
<b>Lining makers (including lining closers side and top facing stitchers), female:</b>									
Illinois.....	5	67	5.5	49.1	44.1	89.8	.400	19.64	17.61
Kentucky.....	3	16	6.0	53.0	53.2	100.4	.232	12.30	12.34
Maine.....	7	54	5.5	53.2	44.3	83.3	.292	15.53	12.93
Maryland and Virginia.....	5	38	4.5	49.2	37.6	76.4	.350	17.22	13.15
Massachusetts.....	44	306	5.4	47.9	38.2	79.7	.461	22.08	17.63
Michigan.....	3	8	5.0	50.0	43.9	87.8	.298	14.90	13.06
Minnesota.....	4	10	4.9	49.4	39.8	80.6	.347	17.14	13.82
Missouri.....	8	110	5.2	49.4	43.3	87.7	.300	14.82	12.92
New Hampshire.....	8	60	5.2	49.1	35.3	71.9	.318	15.61	11.22
New Jersey.....	3	18	5.7	45.9	43.3	94.3	.601	28.00	21.70
New York.....	19	199	5.5	48.0	42.1	87.7	.436	20.93	18.34
Ohio.....	7	63	4.7	47.5	32.5	68.4	.396	18.81	12.89
Pennsylvania.....	8	59	5.5	49.9	41.8	83.8	.327	16.32	13.70
Tennessee.....	4	18	5.4	51.7	44.5	86.1	.269	14.94	12.88
Wisconsin.....	9	49	5.3	48.9	40.8	83.4	.473	23.23	19.37
Total.....	137	1,075	5.3	48.8	40.4	82.8	.395	19.28	16.96

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

FITTING AND STITCHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Closers-on, female:</b>									
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	7	16	5.0	48.0	35.2	79.6	\$0.385	\$18.48	\$14.70
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Hampshire.....	4	7	5.0	49.3	40.8	82.8	.390	18.73	15.52
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	2	3	6.0	49.0	48.0	98.0	.323	16.83	16.48
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Pennsylvania.....	4	15	5.5	50.8	46.5	91.5	.342	17.37	15.88
Tennessee.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	3	6	6.0	48.7	47.6	97.7	.431	20.99	20.51
<b>Total.....</b>	<b>26</b>	<b>57</b>	<b>5.2</b>	<b>49.9</b>	<b>41.6</b>	<b>83.4</b>	<b>.366</b>	<b>18.26</b>	<b>15.23</b>
<b>Top stitchers (including under trimmers and barber trimmers), male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	3	5	5.8	50.3	49.6	98.6	.604	30.38	29.94
Massachusetts.....	17	48	5.4	49.0	40.1	81.8	.739	36.21	29.59
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	7	38	5.9	44.3	47.6	107.4	.866	38.36	41.28
Pennsylvania.....	3	10	6.0	48.0	49.0	102.1	.805	38.64	39.47
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
<b>Total.....</b>	<b>32</b>	<b>113</b>	<b>5.6</b>	<b>47.2</b>	<b>44.2</b>	<b>93.6</b>	<b>.787</b>	<b>37.15</b>	<b>34.80</b>
<b>Top stitchers (including under trimmers and barber trimmers), female:</b>									
Illinois.....	5	94	5.6	49.5	45.8	92.5	.391	19.35	17.90
Kentucky.....	3	33	5.8	52.0	51.0	98.1	.271	14.09	13.83
Maine.....	7	84	5.6	53.3	47.7	89.5	.408	21.76	19.47
Maryland and Virginia.....	5	46	4.2	48.3	35.2	72.9	.351	16.95	12.35
Massachusetts.....	43	418	5.4	47.9	39.7	82.9	.496	23.76	19.66
Michigan.....	4	35	5.0	49.6	42.9	86.5	.301	14.93	12.89
Minnesota.....	4	20	5.3	49.2	41.0	83.3	.343	16.88	14.07
Missouri.....	8	193	5.0	49.4	41.5	84.0	.352	17.39	14.68
New Hampshire.....	8	109	5.3	49.3	37.9	76.9	.365	17.99	13.81
New Jersey.....	3	9	5.7	44.9	38.6	86.0	.544	24.43	20.49
New York.....	14	254	5.3	48.8	42.3	86.7	.437	21.33	18.48
Ohio.....	7	114	5.0	47.7	36.6	76.7	.405	19.32	14.83
Pennsylvania.....	8	98	5.5	50.3	44.5	88.5	.462	23.24	20.56
Tennessee.....	4	43	5.6	51.1	47.5	93.0	.288	14.73	13.69
Wisconsin.....	9	130	5.4	49.0	42.6	86.9	.453	22.44	19.53
<b>Total.....</b>	<b>132</b>	<b>1,648</b>	<b>5.3</b>	<b>49.1</b>	<b>41.5</b>	<b>84.5</b>	<b>.419</b>	<b>20.57</b>	<b>17.41</b>
<b>Binders (including top banders), male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	3	13	5.7	50.3	42.0	83.5	.779	39.18	32.67
New York.....	5	17	6.0	44.0	47.3	114.3	.981	43.16	45.37
Pennsylvania.....	2	6	5.7	48.0	43.1	89.8	.707	38.26	34.38
<b>Total.....</b>	<b>11</b>	<b>36</b>	<b>5.8</b>	<b>46.9</b>	<b>44.6</b>	<b>95.1</b>	<b>.805</b>	<b>41.98</b>	<b>39.07</b>
<b>Binders (including top banders), female:</b>									
Illinois.....	4	89	5.7	49.9	45.8	91.8	.282	14.07	12.29
Kentucky.....	3	8	5.9	53.0	53.0	100.0	.298	15.79	15.79
Maine.....	6	37	5.5	53.6	45.1	84.0	.379	20.31	17.47
Maryland and Virginia.....	4	33	5.5	48.8	43.4	89.0	.328	16.01	14.28
Massachusetts.....	34	179	5.4	47.8	39.9	83.5	.542	25.91	21.63
Minnesota.....	4	7	4.7	49.9	35.1	70.3	.311	15.33	10.93
Missouri.....	7	58	5.0	48.8	43.4	89.0	.367	17.91	15.92
New Hampshire.....	8	19	5.6	50.3	40.2	79.9	.424	21.33	17.07
New Jersey.....	2	6	5.2	48.3	39.5	81.8	.799	38.59	31.53
New York.....	16	118	5.6	48.5	45.5	93.8	.470	22.80	21.40
Ohio.....	5	45	4.7	48.4	34.1	70.5	.371	17.98	12.67

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## FITTING AND STITCHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Binders, female—Continued.</b>									
Pennsylvania.....	7	37	5.6	48.7	42.3	86.9	\$0.459	\$22.35	\$19.40
Tennessee.....	3	7	5.4	51.4	47.4	92.2	.335	17.22	15.86
Wisconsin.....	5	13	5.5	48.8	44.1	90.4	.534	26.06	23.56
Total.....	105	615	5.4	48.9	42.5	86.9	.439	21.47	18.67
<b>Buttonhole makers, female:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Kentucky.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	2	5	5.8	54.0	46.2	85.6	.862	19.55	16.70
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	8	8	5.6	47.8	41.6	87.0	.498	23.80	20.71
Missouri.....	5	7	5.0	48.9	42.6	87.1	.335	16.38	14.29
New Hampshire.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	9	12	5.7	48.1	44.6	92.7	.436	20.97	19.44
Ohio.....	2	2	6.0	50.0	40.8	81.6	.343	17.15	13.97
Pennsylvania.....	8	8	5.3	49.7	42.4	86.2	.279	13.67	11.81
Total.....	34	42	5.5	49.4	43.7	88.5	.390	19.27	17.03
<b>Button fasteners, female:</b>									
Illinois.....	3	8	5.6	50.0	47.0	94.0	.238	11.90	11.18
Kentucky.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	2	5	5.2	54.0	45.8	84.8	.366	19.76	16.77
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	15	30	5.4	47.9	40.0	83.5	.883	18.36	15.30
Missouri.....	5	15	5.9	48.4	48.9	101.0	.301	14.57	14.69
New Hampshire.....	3	3	6.0	50.9	45.3	89.0	.304	15.68	13.94
New York.....	13	33	5.6	48.3	42.5	88.0	.330	15.94	14.03
Ohio.....	3	7	5.6	48.6	41.0	84.4	.369	17.93	15.14
Pennsylvania.....	4	13	5.2	48.9	41.8	85.5	.347	16.97	14.49
Total.....	50	117	5.5	48.7	43.2	88.7	.334	16.27	14.43
<b>Eyeleters (including hookers), male:</b>									
Illinois.....	3	4	5.3	48.5	44.8	92.4	.587	28.47	26.32
Kentucky.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	4	5	5.8	51.6	49.6	96.1	.625	32.25	30.99
Maryland and Virginia.....	4	5	5.2	49.3	42.7	86.6	.376	18.54	16.05
Massachusetts.....	15	27	5.5	48.0	43.8	91.3	.542	26.02	23.73
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Missouri.....	2	5	5.8	50.0	45.5	91.0	.350	17.50	16.99
New Hampshire.....	4	7	5.7	49.2	41.4	84.1	.417	20.52	17.25
New Jersey.....	2	2	6.0	44.0	43.5	98.9	.907	39.91	39.48
New York.....	4	14	5.1	47.7	42.7	89.5	.513	24.47	21.92
Pennsylvania.....	3	4	6.0	49.5	44.0	88.9	.450	22.28	19.81
Tennessee.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Total.....	46	79	5.5	48.7	44.3	91.0	.503	24.50	22.28
<b>Eyeleters (including hookers), female:</b>									
Illinois.....	3	10	5.5	48.2	44.4	92.1	.530	25.55	23.54
Kentucky.....	2	3	6.0	51.8	53.3	102.9	.286	14.81	15.28
Maine.....	2	2	6.0	50.0	47.5	95.0	.342	17.10	16.27
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	14	16	6.8	47.8	31.9	66.7	.533	28.48	16.99
Michigan.....	3	6	6.0	49.2	42.7	86.8	.365	17.95	15.59
Minnesota.....	3	8	6.9	51.1	49.2	96.3	.419	21.41	20.61
Missouri.....	6	12	6.3	49.6	44.5	89.4	.414	20.62	18.43
New Hampshire.....	4	5	5.0	49.3	35.7	72.4	.422	20.80	15.63
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	10	19	5.3	48.9	38.0	77.7	.406	19.95	15.50
Ohio.....	5	7	5.1	47.8	39.9	83.5	.400	19.12	15.92

\* Data included in total.



TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

FITTING AND STITCHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Percent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Eyeleters, female—Continued.</b>									
Pennsylvania.....	5	14	5.3	50.5	44.5	88.1	\$0.288	\$14.54	\$12.81
Tennessee.....	4	8	5.8	51.9	46.7	90.0	.270	14.32	12.87
Wisconsin.....	8	23	5.3	49.2	43.2	87.8	.438	21.55	18.90
Total.....	71	135	5.4	49.4	41.9	84.8	.408	20.16	17.10
<b>Vampers, male:</b>									
Illinois.....	2	10	5.2	48.0	42.5	88.5	.764	30.67	32.50
Maine.....	6	20	5.9	51.8	49.3	95.2	.605	31.34	29.81
Maryland and Virginia.....	5	11	5.0	48.7	39.9	81.9	.497	24.20	19.85
Massachusetts.....	32	209	5.4	48.2	40.0	83.0	.666	32.10	26.63
Minnesota.....	1	(1)	(1)	(1)	(1)	.....	.....	(1)	(1)
Missouri.....	1	(1)	(1)	(1)	(1)	.....	.....	(1)	(1)
New Hampshire.....	2	11	5.3	48.0	45.5	90.6	.340	16.32	14.80
New Jersey.....	2	4	6.0	44.0	36.1	82.0	.953	41.93	34.41
New York.....	8	43	5.5	46.4	44.8	96.6	.791	36.70	35.56
Pennsylvania.....	2	18	6.0	48.0	46.8	97.5	.870	41.78	40.69
Wisconsin.....	3	14	6.0	49.4	48.8	98.8	.643	31.76	31.38
Total.....	64	347	5.5	48.2	42.1	87.3	.672	32.89	28.28
<b>Vampers, female:</b>									
Illinois.....	5	98	5.7	48.7	46.0	94.5	.546	26.59	25.11
Kentucky.....	3	15	5.7	52.8	51.1	96.8	.397	20.06	20.27
Maine.....	5	40	5.6	52.1	43.6	83.7	.499	26.00	21.73
Maryland and Virginia.....	5	20	4.4	49.0	34.6	72.7	.400	19.60	14.21
Massachusetts.....	36	179	5.4	47.9	39.3	82.0	.581	27.83	22.83
Michigan.....	4	26	5.0	49.6	43.2	87.1	.361	17.91	15.61
Minnesota.....	4	18	5.4	50.0	42.9	85.8	.399	19.95	17.09
Missouri.....	3	161	5.1	49.7	42.4	85.3	.358	17.79	15.19
New Hampshire.....	3	88	5.0	48.7	38.1	74.1	.423	20.60	15.25
New Jersey.....	3	11	5.3	46.3	39.6	83.4	.655	30.33	25.32
New York.....	17	212	5.3	48.6	42.1	86.6	.503	24.48	21.18
Ohio.....	7	55	4.8	47.3	38.0	80.3	.409	19.35	15.55
Pennsylvania.....	7	74	5.4	51.0	44.0	86.3	.363	18.51	15.69
Tennessee.....	4	34	5.3	51.8	44.5	86.5	.309	18.01	13.85
Wisconsin.....	9	103	5.4	49.2	44.1	89.6	.517	25.44	22.53
Total.....	125	1,164	5.3	49.1	41.7	84.9	.465	22.83	19.42
<b>Barriers (including tackers), female:</b>									
Illinois.....	2	8	6.0	49.3	49.3	100.0	.378	18.63	18.63
Kentucky.....	1	(1)	(1)	(1)	(1)	.....	.....	(1)	(1)
Maine.....	4	6	5.5	53.3	43.1	80.9	.348	18.55	15.09
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	.....	.....	(1)	(1)
Massachusetts.....	3	15	5.3	48.0	41.8	87.1	.511	24.58	21.35
Missouri.....	3	5	5.4	50.0	46.6	93.2	.197	9.85	9.19
New Hampshire.....	3	3	5.3	48.7	38.3	78.6	.220	10.71	8.45
New Jersey.....	1	(1)	(1)	(1)	(1)	.....	.....	(1)	(1)
New York.....	4	10	5.3	48.5	36.9	78.1	.446	21.63	16.42
Ohio.....	1	(1)	(1)	(1)	(1)	.....	.....	(1)	(1)
Pennsylvania.....	2	6	5.7	50.7	48.2	95.1	.394	16.43	15.60
Tennessee.....	2	2	5.0	52.5	47.5	90.5	.256	13.44	12.18
Wisconsin.....	4	5	5.2	49.2	43.8	88.0	.452	22.24	19.13
Total.....	36	66	5.5	49.5	43.6	88.1	.395	19.55	17.22
<b>Tongue stitchers, female:</b>									
Illinois.....	3	19	5.7	48.2	46.4	96.3	.486	23.43	22.58
Kentucky.....	1	(1)	(1)	(1)	(1)	.....	.....	(1)	(1)
Maine.....	4	18	5.9	51.2	45.3	88.5	.316	16.18	14.33
Maryland and Virginia.....	2	4	4.5	49.3	38.0	77.1	.340	16.76	12.91
Massachusetts.....	19	60	5.3	48.0	39.5	82.3	.438	21.02	17.31
Michigan.....	4	9	4.8	49.2	42.1	85.6	.315	15.50	13.23
Minnesota.....	3	6	5.8	50.8	37.1	73.3	.247	12.55	6.69
Missouri.....	4	39	5.4	50.0	44.4	88.8	.330	16.50	14.65
New Hampshire.....	7	18	4.9	48.7	34.8	71.5	.304	14.80	10.57
New Jersey.....	2	4	5.8	46.1	39.4	85.5	.484	22.31	19.05

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

## WAGES AND HOURS OF LABOR

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1920, by department, occupation, sex, and State—Contd.

## FITTING AND STITCHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Tongue stitchers, female—Con.</b>									
New York.....	9	23	5.1	47.7	38.0	79.7	\$0.423	\$20.18	\$16.04
Ohio.....	4	19	4.6	46.8	36.0	76.9	.321	15.02	11.57
Pennsylvania.....	6	14	5.6	50.0	46.4	91.2	.338	17.20	15.70
Tennessee.....	4	13	5.2	51.5	43.5	84.5	.234	12.05	10.16
Wisconsin.....	7	29	5.5	49.2	44.7	90.9	.389	19.14	17.42
Total.....	78	267	5.3	49.0	41.2	84.1	.371	18.18	15.26
<b>Fancy stitchers, male:</b>									
Illinois.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Maryland and Virginia.....	3	3	5.7	50.2	47.9	95.4	.722	36.24	34.63
Massachusetts.....	16	59	5.7	49.3	42.5	86.2	.652	32.64	28.16
New York.....	9	86	5.9	44.5	47.2	106.1	.967	43.03	45.73
Pennsylvania.....	3	12	5.7	48.5	46.2	95.3	.705	34.19	32.54
Total.....	32	165	5.8	46.7	45.3	97.0	.834	38.95	37.84
<b>Fancy stitchers, female:</b>									
Illinois.....	5	200	5.6	49.5	46.8	94.5	.357	17.67	16.69
Kentucky.....	3	65	5.8	51.8	51.0	98.5	.272	14.09	13.84
Maine.....	7	226	5.6	53.5	47.4	89.6	.380	20.33	18.02
Maryland and Virginia.....	5	125	4.4	48.9	36.2	74.0	.248	17.02	12.59
Massachusetts.....	44	965	5.4	47.9	38.7	80.6	.473	22.66	18.32
Michigan.....	4	22	4.9	49.5	42.6	86.1	.338	16.73	14.38
Minnesota.....	4	39	5.3	49.9	42.6	85.4	.322	16.07	13.71
Missouri.....	8	399	5.3	49.2	44.0	89.4	.340	16.73	14.96
New Hampshire.....	8	195	5.2	49.1	35.1	71.5	.359	17.63	12.59
New Jersey.....	2	14	5.6	47.6	43.0	90.3	.526	25.04	22.65
New York.....	17	513	5.5	48.7	44.3	91.0	.426	20.75	18.87
Ohio.....	7	242	5.0	48.3	37.2	77.0	.346	16.71	12.85
Pennsylvania.....	8	91	5.5	50.4	42.9	85.1	.391	19.71	16.77
Tennessee.....	4	47	4.9	51.2	42.3	82.6	.218	11.16	9.23
Wisconsin.....	8	122	5.2	48.9	41.8	85.5	.461	22.54	19.30
Total.....	133	3,265	5.3	49.1	41.5	84.5	.400	19.64	16.62
<b>Backstay stitchers (including back strappers), female:</b>									
Illinois.....	5	36	5.8	48.7	46.9	96.3	.490	23.38	22.51
Kentucky.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Maine.....	6	14	5.6	52.3	44.4	84.9	.356	18.57	15.75
Maryland and Virginia.....	4	10	4.7	49.4	37.9	76.7	.315	15.56	11.93
Massachusetts.....	18	40	5.2	47.9	37.2	77.7	.463	22.18	17.19
Michigan.....	4	12	4.9	49.4	43.2	87.4	.337	16.65	14.59
Minnesota.....	3	8	5.5	51.0	45.6	89.4	.386	19.69	17.59
Missouri.....	6	36	5.6	49.7	46.5	93.6	.318	15.80	14.81
New Hampshire.....	5	19	4.9	48.6	32.6	67.1	.320	15.55	10.45
New Jersey.....	2	3	5.3	49.7	34.9	70.2	.564	28.03	19.69
New York.....	5	41	4.7	48.0	39.6	82.5	.439	21.07	17.39
Ohio.....	6	23	4.6	47.6	34.3	72.1	.335	15.95	11.48
Pennsylvania.....	6	21	5.2	50.7	43.0	84.8	.339	17.19	14.57
Tennessee.....	3	8	5.5	51.9	47.6	91.7	.293	15.21	13.98
Wisconsin.....	8	45	5.4	49.2	44.1	89.6	.419	20.61	18.45
Total.....	82	317	5.2	49.1	41.6	84.7	.393	19.30	16.34
<b>Table workers, female:</b>									
Illinois.....	3	28	5.2	48.6	43.5	89.5	.283	13.75	12.31
Kentucky.....	2	8	5.8	57.4	55.3	96.3	.144	8.27	7.98
Maine.....	6	23	5.3	53.0	44.6	84.2	.322	17.07	14.38
Maryland and Virginia.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Massachusetts.....	40	390	5.3	47.8	38.5	80.5	.340	16.25	13.08
Michigan.....	3	7	5.4	50.0	45.5	91.0	.241	12.05	10.98
Minnesota.....	3	16	4.3	48.9	34.1	69.7	.242	11.83	8.29
Missouri.....	6	17	5.4	48.4	44.2	91.3	.272	13.16	12.03
New Hampshire.....	5	24	5.3	48.7	38.0	78.0	.370	18.02	14.05
New Jersey.....	3	20	5.5	47.8	42.8	89.5	.294	14.05	12.59
New York.....	19	175	5.7	47.6	43.0	90.3	.338	16.09	14.53
Ohio.....	6	66	4.8	48.6	37.7	77.6	.320	15.99	12.43

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

FITTING AND STITCHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours worked per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Table workers, female—Contd.</b>									
Pennsylvania.....	7	77	5.8	49.5	47.2	95.4	\$0.222	\$10.99	\$10.47
Tennessee.....	2	5	5.8	52.0	48.0	92.3	.273	14.20	13.10
Wisconsin.....	7	51	5.0	49.2	42.1	85.6	.840	26.73	14.81
<b>Total.....</b>	<b>113</b>	<b>972</b>	<b>5.4</b>	<b>48.4</b>	<b>41.2</b>	<b>85.1</b>	<b>.814</b>	<b>15.20</b>	<b>12.94</b>
<b>Lacers (before lasting), female:</b>									
Illinois.....	5	16	5.1	49.5	43.0	86.9	.304	15.05	13.10
Kentucky.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maine.....	4	5	4.8	51.6	40.6	78.5	.350	19.61	15.39
Maryland and Virginia.....	3	3	4.7	49.7	42.2	84.9	.351	17.44	14.81
Massachusetts.....	23	37	5.4	48.0	40.7	84.8	.404	19.39	15.45
Michigan.....	3	5	5.0	49.5	44.7	90.3	.261	12.92	11.65
Minnesota.....	2	2	5.3	51.3	44.8	87.3	.295	15.13	13.18
Missouri.....	5	14	5.3	49.6	44.3	89.3	.273	13.54	12.10
New Hampshire.....	7	13	5.2	49.2	37.8	76.8	.278	13.68	10.49
New Jersey.....	8	3	5.0	46.8	32.8	70.1	.456	21.34	14.98
New York.....	12	21	5.4	48.1	44.1	91.7	.406	19.53	17.89
Ohio.....	5	9	5.1	47.8	38.2	79.9	.360	17.21	13.77
Pennsylvania.....	4	5	5.4	52.4	43.6	83.2	.375	19.65	16.34
Tennessee.....	4	6	5.2	51.7	46.7	90.3	.270	13.96	12.62
Wisconsin.....	6	11	5.1	50.0	48.8	87.6	.436	21.60	19.11
<b>Total.....</b>	<b>87</b>	<b>152</b>	<b>5.2</b>	<b>49.1</b>	<b>42.1</b>	<b>85.7</b>	<b>.355</b>	<b>17.43</b>	<b>14.96</b>

LASTING DEPARTMENT

<b>Last pickers or sorters (including last makers), male:</b>									
Illinois.....	5	21	5.6	49.1	44.8	91.2	\$0.450	\$22.10	\$20.19
Kentucky.....	2	4	6.0	51.3	59.0	115.0	.383	19.65	22.55
Maine.....	5	21	4.7	53.1	48.6	91.5	.418	22.20	20.33
Maryland and Virginia.....	6	7	5.8	49.9	40.9	83.1	.826	16.04	13.35
Massachusetts.....	30	66	5.4	48.1	40.2	83.6	.543	26.12	21.85
Michigan.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Minnesota.....	3	4	5.8	48.9	46.2	94.5	.378	18.48	17.49
Missouri.....	7	25	5.8	49.4	48.7	98.6	.371	18.33	18.03
New Hampshire.....	7	16	5.3	48.9	40.4	82.6	.371	18.14	14.96
New Jersey.....	2	4	6.0	44.0	44.0	100.0	.602	26.50	26.50
New York.....	18	64	5.5	47.6	44.5	93.5	.540	25.70	24.06
Ohio.....	7	26	5.3	48.4	35.1	72.5	.452	21.88	15.88
Pennsylvania.....	7	34	5.6	50.2	46.3	92.2	.359	18.02	16.59
Tennessee.....	4	3	5.4	51.9	46.0	88.6	.406	21.07	18.66
Wisconsin.....	8	14	5.0	50.5	42.0	83.2	.486	24.54	20.44
<b>Total.....</b>	<b>112</b>	<b>308</b>	<b>5.5</b>	<b>49.0</b>	<b>43.5</b>	<b>88.8</b>	<b>.465</b>	<b>22.79</b>	<b>20.19</b>
<b>Assemblers, for pulling-over machine, male:</b>									
Illinois.....	5	54	5.3	48.9	41.9	85.7	.603	29.49	25.28
Kentucky.....	3	11	5.4	52.7	46.4	88.0	.469	24.72	21.74
Maine.....	7	20	6.0	52.9	44.7	84.5	.578	30.56	25.33
Maryland and Virginia.....	5	25	4.7	48.7	31.2	64.1	.413	20.11	12.90
Massachusetts.....	30	180	5.4	48.3	37.6	77.8	.645	31.15	24.26
Michigan.....	3	10	5.3	49.0	46.0	93.9	.495	24.26	22.76
Minnesota.....	4	6	5.5	50.1	43.5	86.8	.550	27.66	23.91
Missouri.....	8	95	5.0	49.5	42.9	86.7	.509	25.20	21.85
New Hampshire.....	6	19	5.3	49.1	36.2	73.7	.553	27.15	20.05
New Jersey.....	2	12	5.8	44.0	45.2	102.7	.550	24.20	24.83
New York.....	15	73	5.3	47.4	42.3	89.2	.622	29.45	26.32
Ohio.....	7	47	4.8	48.0	33.2	69.2	.540	25.92	17.94
Pennsylvania.....	7	26	4.7	51.8	33.2	64.1	.471	24.40	16.63
Tennessee.....	4	14	5.6	51.1	47.8	93.5	.405	20.70	19.36
Wisconsin.....	9	23	5.2	49.5	43.6	88.1	.527	26.09	22.97
<b>Total.....</b>	<b>125</b>	<b>624</b>	<b>5.3</b>	<b>49.0</b>	<b>39.8</b>	<b>81.2</b>	<b>.568</b>	<b>27.63</b>	<b>22.61</b>

\*Data included in total.

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## LASTING DEPARTMENT—Continued.

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Assemblers, for pulling-over machine, female:</b>									
Massachusetts.....	3	3	5.3	48.0	39.3	81.9	\$0.634	\$30.43	\$24.89
New Hampshire.....	4	12	5.3	48.9	40.7	83.2	.365	17.85	14.87
New York.....	2	17	5.9	50.0	49.3	98.6	.476	23.80	23.46
Total.....	9	32	5.6	49.4	45.1	91.3	.452	22.33	20.37
<b>Pullers-over, hand, male:</b>									
Massachusetts.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	4	15	5.9	48.5	37.8	77.9	.751	36.42	28.36
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	3	4	5.5	53.8	50.6	94.1	.607	32.66	30.69
Total.....	9	23	5.7	49.3	39.3	79.7	.683	33.67	26.99
<b>Pullers-over, machine, male:</b>									
Illinois.....	5	42	5.3	49.0	40.6	82.9	.790	38.71	32.08
Kentucky.....	3	9	6.0	53.0	53.1	100.2	.501	26.55	26.55
Maine.....	7	24	5.8	52.9	44.7	84.5	.585	30.95	26.17
Maryland and Virginia.....	6	21	4.6	48.8	33.9	69.5	.555	27.08	18.79
Massachusetts.....	43	169	5.3	48.1	37.6	78.2	.319	39.39	30.78
Michigan.....	4	10	5.4	49.5	45.3	91.5	.565	27.97	25.58
Minnesota.....	3	6	5.7	49.8	44.1	88.6	.591	29.43	26.09
Missouri.....	8	79	5.2	49.5	44.2	89.3	.680	33.66	30.09
New Hampshire.....	8	34	5.3	49.2	37.6	76.4	.592	29.13	22.26
New Jersey.....	3	7	5.4	47.6	42.4	89.1	.820	39.03	34.76
New York.....	115	85	5.4	48.4	44.2	91.3	.745	36.06	32.96
Ohio.....	7	37	5.0	47.4	36.4	76.8	.804	38.11	29.26
Pennsylvania.....	6	30	5.7	52.7	41.2	78.2	.644	28.67	22.85
Tennessee.....	4	13	5.5	51.9	47.5	91.5	.558	28.96	26.52
Wisconsin.....	3	37	5.4	49.5	44.5	89.9	.710	35.15	31.59
Total.....	130	603	5.3	49.1	41.0	83.5	.715	35.11	29.30
<b>Side lasters, hand, male:</b>									
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Maryland and Virginia.....	2	3	6.0	49.3	47.3	95.0	.481	23.95	22.72
Massachusetts.....	7	77	5.0	48.6	39.0	81.3	.637	30.96	24.81
Minnesota.....	2	2	5.0	49.0	42.9	87.6	.513	25.14	22.00
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	3	22	5.7	47.4	35.5	74.9	.774	36.69	27.50
Pennsylvania.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Tennessee.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Wisconsin.....	5	21	5.8	48.9	46.8	95.7	.702	34.33	32.89
Total.....	23	148	5.4	49.3	39.6	80.8	.637	31.40	25.23
<b>Side lasters, machine, male:</b>									
Illinois.....	5	64	5.2	49.3	40.9	83.0	.598	29.48	24.43
Kentucky.....	3	10	6.0	52.7	55.0	104.4	.468	24.66	25.71
Maine.....	7	37	5.8	52.8	45.5	86.2	.627	33.11	28.82
Maryland and Virginia.....	5	24	4.7	48.8	33.8	69.3	.528	25.77	17.89
Massachusetts.....	35	215	5.6	48.2	41.5	86.1	.753	36.29	31.26
Michigan.....	4	11	5.3	49.8	45.8	92.0	.536	26.69	24.53
Minnesota.....	3	7	5.7	50.4	46.3	91.9	.525	26.46	24.29
Missouri.....	8	88	5.5	49.4	45.0	91.1	.625	30.88	28.10
New Hampshire.....	6	31	5.3	48.4	39.2	81.0	.553	26.77	21.63
New Jersey.....	3	8	5.4	47.2	41.8	88.6	.783	36.96	32.73
New York.....	13	104	5.3	48.0	42.7	89.0	.705	33.94	30.09
Ohio.....	7	52	4.9	47.7	35.8	75.1	.697	33.25	24.94
Pennsylvania.....	7	26	5.1	52.2	38.9	74.5	.556	29.02	21.62
Tennessee.....	3	13	5.5	50.4	47.9	95.0	.584	29.43	27.69
Wisconsin.....	8	46	5.3	50.2	42.4	84.5	.612	30.72	26.64
Total.....	117	736	5.4	49.0	41.9	85.5	.663	32.49	27.73

1 Data included in total.

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

LASTING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Bed-machine operators, male:</b>									
Illinois.....	5	127	5.4	49.0	48.2	88.2	\$0.661	\$32.39	\$28.55
Kentucky.....	3	17	5.7	52.6	50.1	95.2	.546	28.72	27.35
Maine.....	7	63	5.8	52.7	47.6	90.3	.628	33.10	29.88
Maryland and Virginia.....	6	46	4.7	48.7	31.1	63.9	.554	26.98	17.26
Massachusetts.....	40	307	5.4	48.2	40.4	83.8	.723	34.85	29.17
Michigan.....	4	21	5.2	49.8	44.5	89.4	.618	26.80	23.05
Minnesota.....	4	16	5.8	50.4	47.5	94.2	.691	29.79	28.04
Missouri.....	8	202	5.6	49.6	45.9	90.7	.766	31.64	28.74
New Hampshire.....	8	90	5.4	49.1	37.6	76.6	.640	26.51	20.28
New Jersey.....	2	9	5.8	44.0	45.1	102.5	.988	43.47	44.57
New York.....	16	234	5.4	48.4	43.9	90.7	.649	31.41	28.51
Ohio.....	7	87	4.9	47.7	37.6	78.8	.672	32.05	25.25
Pennsylvania.....	8	54	5.0	53.1	39.1	73.0	.557	29.58	21.78
Tennessee.....	4	29	5.4	51.7	46.9	90.7	.559	28.90	26.19
Wisconsin.....	8	87	5.4	49.3	48.2	91.7	.725	35.74	32.76
<b>Total.....</b>	<b>130</b>	<b>1,478</b>	<b>5.4</b>	<b>49.1</b>	<b>42.1</b>	<b>85.7</b>	<b>.657</b>	<b>32.26</b>	<b>27.71</b>
<b>Hand-method lasting machine operators, male:</b>									
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	12	82	5.5	48.6	39.1	80.6	.732	35.50	28.59
New Hampshire.....	4	15	5.7	51.8	44.6	86.0	.608	26.16	22.67
New York.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
<b>Total.....</b>	<b>19</b>	<b>74</b>	<b>5.5</b>	<b>49.4</b>	<b>40.0</b>	<b>81.0</b>	<b>.673</b>	<b>33.25</b>	<b>26.93</b>
<b>Turn lasters, hand (including first and second lasters), 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.....	6	236	5.3	47.9	44.0	91.9	.747	35.78	32.85
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	9	391	5.6	44.9	48.1	107.1	.813	36.50	39.12
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Pennsylvania.....	8	106	5.3	48.0	48.1	89.8	.764	36.67	32.97
Wisconsin.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
<b>Total.....</b>	<b>24</b>	<b>789</b>	<b>5.5</b>	<b>46.5</b>	<b>46.0</b>	<b>98.9</b>	<b>.780</b>	<b>36.27</b>	<b>35.90</b>
<b>Turn sewers, male:</b>									
Maine.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Massachusetts.....	8	9	5.6	48.0	46.2	96.3	.988	47.42	45.04
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	6	14	5.9	45.6	46.8	102.4	1.381	62.97	63.30
Ohio.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
Pennsylvania.....	3	8	5.3	48.0	39.8	82.9	1.001	48.05	39.81
<b>Total.....</b>	<b>15</b>	<b>38</b>	<b>5.6</b>	<b>48.0</b>	<b>44.8</b>	<b>93.3</b>	<b>1.058</b>	<b>50.78</b>	<b>47.39</b>
<b>Tack pullers, hand and machine, male:</b>									
Illinois.....	5	16	5.3	48.9	41.8	84.5	.449	21.96	18.54
Kentucky.....	8	7	5.9	53.0	53.9	101.7	.250	13.25	13.47
Maine.....	5	15	5.7	53.0	47.4	89.4	.496	26.29	23.51
Maryland and Virginia.....	6	15	4.9	48.6	36.9	75.9	.253	12.30	9.31
Massachusetts.....	26	73	5.2	48.0	40.3	84.0	.473	22.70	19.04
Michigan.....	3	5	5.4	49.0	48.1	98.2	.313	15.34	15.03
Minnesota.....	3	3	5.7	50.2	47.0	93.6	.374	18.77	17.39
Missouri.....	7	19	5.4	49.6	43.2	87.1	.347	17.21	14.96
New Hampshire.....	6	14	5.6	48.9	40.0	81.8	.383	18.73	15.34
New Jersey.....	1	(1)	(1)	(1)	(1)	-----	(1)	(1)	(1)
New York.....	14	64	5.4	47.6	39.4	73.2	.466	22.18	16.33
Ohio.....	7	21	4.9	47.8	36.5	76.4	.373	17.83	13.58
Pennsylvania.....	7	29	5.7	50.8	39.2	77.2	.332	16.67	13.03
Tennessee.....	3	9	5.6	51.1	48.1	94.1	.343	17.58	16.53
Wisconsin.....	7	24	5.1	49.8	42.0	86.1	.455	22.66	19.56
<b>Total.....</b>	<b>103</b>	<b>315</b>	<b>5.3</b>	<b>49.0</b>	<b>41.0</b>	<b>83.7</b>	<b>.415</b>	<b>20.34</b>	<b>17.06</b>

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

## WAGES AND HOURS OF LABOR

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## BOTTOMING DEPARTMENT

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Goodyear welters (including in-seamers), male:</b>									
Illinois.....	2	18	5.6	48.0	43.3	90.2	\$1.148	\$55.10	\$49.65
Kentucky.....	2	3	6.0	55.3	52.3	94.6	.551	30.47	28.84
Maine.....	5	9	5.8	51.4	54.1	66.3	.955	49.09	32.55
Maryland and Virginia.....	5	17	4.7	48.6	32.7	67.3	.688	33.44	22.52
Massachusetts.....	20	90	5.4	48.0	38.2	79.6	.996	43.01	34.22
Michigan.....	4	7	5.4	49.3	47.9	97.2	.653	32.19	31.26
Minnesota.....	4	10	5.7	49.5	46.1	93.1	.611	30.24	28.17
Missouri.....	4	22	5.2	49.5	41.6	84.0	.759	37.13	31.19
New Hampshire.....	5	21	5.4	48.3	39.8	82.4	.732	35.98	29.11
New Jersey.....	2	3	5.7	44.0	37.3	84.8	1.398	61.56	52.13
New York.....	16	84	5.3	48.7	40.2	82.5	.869	42.32	34.90
Ohio.....	6	28	4.9	47.8	38.0	73.2	.782	37.38	27.34
Pennsylvania.....	6	20	5.8	52.4	38.8	74.0	.787	41.24	30.56
Tennessee.....	4	11	5.5	52.3	48.4	92.5	.551	28.62	26.67
Wisconsin.....	8	24	5.4	50.4	46.0	91.3	.706	35.58	32.46
Total.....	92	377	5.4	49.0	40.1	81.8	.820	40.18	32.88
<b>Welt besters and slashers, male:</b>									
Illinois.....	2	6	5.7	48.0	42.3	88.1	.721	34.61	30.48
Kentucky.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maine.....	3	4	6.0	50.0	46.3	92.6	.526	26.30	24.85
Maryland and Virginia.....	3	3	5.0	48.7	35.1	72.1	.602	24.45	17.64
Massachusetts.....	15	21	5.3	48.0	39.9	83.1	.638	25.62	21.46
Michigan.....	2	3	5.7	50.0	48.3	96.6	.524	20.20	25.33
Minnesota.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri.....	4	9	5.0	49.6	41.0	82.7	.423	20.98	17.31
New Hampshire.....	5	10	5.6	48.2	30.6	63.2	.413	19.91	16.36
New Jersey.....	2	2	5.5	44.0	38.3	87.0	.937	41.23	35.85
New York.....	13	36	5.5	48.1	42.2	87.7	.589	28.33	24.82
Ohio.....	5	15	4.6	49.0	30.5	62.2	.482	23.62	14.71
Pennsylvania.....	6	13	5.5	51.9	39.7	76.5	.577	29.95	22.93
Tennessee.....	4	7	5.6	52.1	49.0	94.0	.340	17.71	16.68
Wisconsin.....	6	20	4.8	49.4	40.4	81.8	.475	23.47	19.22
Total.....	72	152	5.3	49.1	40.6	82.7	.524	25.73	21.27
<b>Bottom fillers, hand and machine, male:</b>									
Illinois.....	4	10	5.7	48.4	46.2	95.5	.515	24.93	23.77
Kentucky.....	2	3	6.0	50.7	52.7	103.9	.422	21.40	22.23
Maine.....	6	11	5.7	53.4	43.7	81.8	.396	21.15	17.31
Maryland and Virginia.....	5	11	5.3	49.2	39.3	79.9	.409	20.12	16.05
Massachusetts.....	22	42	6.3	48.2	39.3	81.5	.484	23.33	19.03
Michigan.....	3	5	5.2	49.0	46.5	94.9	.511	25.04	23.77
Minnesota.....	3	3	5.7	50.2	48.5	96.6	.325	16.32	15.76
Missouri.....	7	10	5.7	49.6	46.8	94.4	.406	20.14	19.01
New Hampshire.....	8	13	5.3	49.0	36.6	74.7	.368	18.03	13.46
New Jersey.....	3	6	5.8	45.4	42.5	93.6	.537	24.38	22.81
New York.....	12	38	5.5	48.9	43.1	88.1	.471	23.03	20.32
Ohio.....	7	18	5.0	48.2	38.9	80.7	.444	21.40	17.27
Pennsylvania.....	6	10	5.3	52.3	40.0	76.5	.380	19.87	15.31
Tennessee.....	4	8	5.8	51.9	48.3	93.0	.350	18.17	16.92
Wisconsin.....	3	10	4.6	50.2	37.4	74.5	.446	22.39	16.69
Total.....	95	198	5.4	49.3	41.7	84.6	.445	21.94	18.56
<b>Sole cementers, hand and machine (including bottom cementers), male:</b>									
Illinois.....	3	8	5.4	48.8	43.7	90.5	.522	25.21	22.81
Kentucky.....	2	3	5.7	51.8	52.0	100.4	.591	27.61	27.59
Maine.....	2	3	6.0	50.0	47.2	94.4	.434	21.70	20.45
Maryland and Virginia.....	3	8	4.8	49.6	38.6	77.8	.363	17.51	13.61
Massachusetts.....	18	31	5.5	48.4	42.5	87.8	.423	20.47	17.97
Minnesota.....	2	5	6.0	51.5	51.4	99.8	.332	17.10	17.04
Missouri.....	7	21	5.2	49.1	42.8	87.2	.416	20.43	17.82
New Hampshire.....	6	17	5.6	48.4	37.2	76.9	.404	19.55	15.02

\*Data included in total.

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

BOTTOMING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Sole cementers, hand and machine, male—Continued.</b>									
New Jersey.....	1	(1)	(1)	(1)	(1)		(1)	(1)	(1)
New York.....	12	34	5.3	48.5	43.1	88.9	\$0.463	\$22.46	\$19.97
Ohio.....	5	12	4.9	48.3	38.4	79.5	.438	21.16	16.81
Pennsylvania.....	6	10	5.2	52.3	42.2	80.7	.353	18.46	14.59
Tennessee.....	4	7	4.7	52.1	41.9	80.4	.380	19.80	15.94
Wisconsin.....	5	16	4.9	50.1	41.6	83.0	.428	21.44	17.81
Total.....	76	176	5.3	49.2	42.1	85.6	.425	20.91	17.90
<b>Sole cementers, hand and machine (including bottom cementers), female:</b>									
Maine.....	1	(1)	(1)	(1)	(1)		(1)	(1)	(1)
Massachusetts.....	3	10	5.2	48.0	41.6	86.7	.406	19.49	16.90
Michigan.....	1	(1)	(1)	(1)	(1)		(1)	(1)	(1)
Missouri.....	2	8	5.6	50.0	45.1	90.2	.325	16.25	14.65
New Hampshire.....	1	(1)	(1)	(1)	(1)		(1)	(1)	(1)
New York.....	5	9	5.1	49.1	42.5	86.6	.390	19.15	16.55
Ohio.....	1	(1)	(1)	(1)	(1)		(1)	(1)	(1)
Wisconsin.....	3	14	5.3	49.0	42.7	87.1	.358	17.54	15.29
Total.....	17	51	5.3	49.1	42.2	85.9	.368	18.07	15.55
<b>Sole layers, hand and machine, male:</b>									
Illinois.....	2	7	5.7	48.0	43.2	90.0	.795	38.16	34.32
Kentucky.....	1	(1)	(1)	(1)	(1)		(1)	(1)	(1)
Maine.....	6	17	5.6	52.9	43.8	82.8	.480	25.39	21.05
Maryland and Virginia.....	5	10	5.1	49.4	38.6	78.1	.488	24.11	18.81
Massachusetts.....	43	96	5.6	48.4	40.0	82.6	.659	31.90	26.36
Michigan.....	2	4	5.0	49.4	44.3	89.7	.557	27.52	24.65
Minnesota.....	3	3	5.3	50.2	44.8	89.2	.449	22.54	20.13
Missouri.....	7	24	5.3	49.1	43.6	88.8	.488	23.96	21.26
New Hampshire.....	7	16	5.4	48.9	37.5	76.7	.513	25.09	19.20
New Jersey.....	1	(1)	(1)	(1)	(1)		(1)	(1)	(1)
New York.....	13	45	5.2	48.6	40.9	84.2	.654	31.78	26.76
Ohio.....	7	21	5.0	48.3	37.1	76.8	.595	28.74	22.11
Pennsylvania.....	7	12	5.6	52.8	37.4	70.8	.522	27.56	19.51
Tennessee.....	3	7	5.4	51.4	47.6	92.6	.499	25.65	23.72
Wisconsin.....	7	13	5.4	50.1	46.4	92.6	.553	27.71	25.65
Total.....	114	280	5.4	49.2	41.0	83.3	.594	29.22	24.38
<b>Rough rounders, male:</b>									
Illinois.....	2	15	5.7	48.0	40.4	84.2	1.109	53.23	44.80
Kentucky.....	2	5	5.8	54.4	49.6	91.2	.467	25.40	23.16
Maine.....	2	4	6.0	51.3	47.7	93.0	.605	31.04	28.87
Maryland and Virginia.....	5	9	5.0	48.7	32.9	67.6	.618	30.10	20.35
Massachusetts.....	19	54	5.3	48.0	38.3	79.8	.794	38.11	30.42
Michigan.....	2	4	5.5	50.0	47.3	94.6	.682	34.10	32.21
Minnesota.....	4	5	5.6	50.0	45.9	91.8	.522	26.10	23.98
Missouri.....	5	32	4.9	49.5	39.4	79.6	.661	32.72	26.07
New Hampshire.....	4	11	5.6	48.4	38.2	78.9	.734	35.53	28.00
New Jersey.....	2	3	5.7	44.0	36.7	83.4	1.244	54.74	45.62
New York.....	15	49	5.2	48.3	40.3	83.4	.850	41.06	24.26
Ohio.....	6	20	4.8	48.2	35.4	73.4	.796	38.37	28.17
Pennsylvania.....	8	22	5.6	51.5	39.8	77.3	.639	32.91	25.41
Tennessee.....	4	8	5.6	51.9	48.6	93.6	.605	31.40	29.40
Wisconsin.....	8	37	5.2	49.8	43.1	86.5	.683	34.01	29.47
Total.....	88	278	5.3	49.1	40.2	81.9	.751	36.87	30.16

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## BOTTOMING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Channel openers and closers (including channel layers, channel turners, channel cementers, and lip turners) male:</b>									
Illinois.....	5	20	5.7	48.6	43.7	89.9	\$0.580	\$28.19	\$25.31
Kentucky.....	2	4	5.8	52.1	51.3	98.5	.400	20.84	20.48
Maine.....	5	18	5.7	53.2	47.6	89.5	.459	24.42	21.86
Maryland and Virginia.....	3	12	4.3	48.4	30.9	63.8	.284	13.75	8.79
Massachusetts.....	33	75	5.5	48.2	39.6	82.2	.528	25.35	20.83
Minnesota.....	2	2	5.5	49.0	44.5	90.8	.312	15.29	13.89
Missouri.....	7	33	5.5	49.3	45.1	91.5	.472	23.27	21.27
New Hampshire.....	6	18	5.9	49.4	41.5	84.0	.366	18.08	15.22
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.....	15	90	5.4	48.2	42.1	87.3	.574	27.67	24.15
Ohio.....	6	18	5.1	48.9	37.3	76.3	.456	22.39	17.02
Pennsylvania.....	3	11	5.5	49.4	42.3	85.6	.567	28.01	23.96
Tennessee.....	4	8	5.0	51.9	43.1	83.0	.378	19.62	16.28
Wisconsin.....	6	26	5.4	49.0	43.5	88.8	.486	23.81	21.11
<b>Total.....</b>	<b>98</b>	<b>336</b>	<b>5.4</b>	<b>48.9</b>	<b>41.8</b>	<b>85.5</b>	<b>.506</b>	<b>24.74</b>	<b>21.14</b>
<b>Channel openers and closers (including channel layers, channel turners, channel cementers, and lip turners) female:</b>									
Illinois.....	3	8	5.3	49.0	45.8	93.5	.402	19.70	18.40
Massachusetts.....	9	22	5.2	48.0	38.5	80.2	.503	24.14	19.38
Minnesota.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Missouri.....	2	5	5.4	50.0	42.7	85.4	.378	18.90	16.15
New Hampshire.....	4	5	5.4	48.4	35.1	72.5	.373	18.05	13.08
New York.....	5	11	5.5	49.3	45.4	92.1	.352	17.35	15.97
Ohio.....	2	3	4.3	49.6	27.7	55.8	.344	17.06	9.52
Wisconsin.....	2	10	5.4	49.2	45.9	93.3	.396	19.48	18.16
<b>Total.....</b>	<b>28</b>	<b>65</b>	<b>5.3</b>	<b>48.9</b>	<b>41.5</b>	<b>84.9</b>	<b>.417</b>	<b>20.39</b>	<b>17.29</b>
<b>Goodyear stitchers, male:</b>									
Illinois.....	2	33	5.6	48.0	42.6	88.8	.967	45.42	41.17
Kentucky.....	2	12	5.9	53.6	51.2	95.5	.567	30.39	29.04
Maine.....	5	18	5.8	51.4	44.0	85.6	.674	34.64	29.67
Maryland and Virginia.....	5	22	4.8	48.7	32.6	66.9	.649	31.61	21.12
Massachusetts.....	22	125	5.4	48.0	39.4	82.1	.787	36.82	30.25
Michigan.....	4	18	5.3	49.2	47.1	95.7	.629	30.95	29.62
Minnesota.....	4	9	5.6	50.1	45.7	91.2	.605	30.31	27.61
Missouri.....	5	50	5.0	49.7	41.4	83.3	.654	32.50	27.13
New Hampshire.....	6	44	5.4	48.4	36.9	76.2	.664	32.14	24.53
New Jersey.....	3	6	5.7	46.8	44.5	95.1	.912	42.68	40.60
New York.....	16	115	5.4	48.6	43.1	88.7	.755	36.69	32.52
Ohio.....	6	35	4.8	47.7	36.0	75.5	.751	35.82	27.04
Pennsylvania.....	8	33	5.5	52.5	40.7	77.5	.692	36.33	28.18
Tennessee.....	4	20	5.6	51.3	48.2	94.0	.538	27.60	25.94
Wisconsin.....	8	46	5.3	49.6	43.8	88.3	.739	36.65	32.33
<b>Total.....</b>	<b>100</b>	<b>576</b>	<b>5.3</b>	<b>49.1</b>	<b>41.2</b>	<b>83.9</b>	<b>.727</b>	<b>35.70</b>	<b>29.99</b>
<b>McKay sewers, male:</b>									
Illinois.....	3	18	5.3	50.0	42.0	84.0	.543	27.15	22.81
Kentucky.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Maine.....	4	16	5.7	53.7	48.6	90.5	.570	30.61	27.66
Maryland and Virginia.....	2	2	4.5	49.3	38.2	77.5	.516	25.44	19.70
Massachusetts.....	28	61	5.3	48.4	37.4	77.3	.563	41.72	32.21
Minnesota.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Missouri.....	5	31	5.9	49.5	49.2	99.4	.605	29.95	29.79
New Hampshire.....	3	6	5.5	51.6	43.0	83.3	.554	28.59	23.88
New York.....	3	7	5.6	48.1	42.5	88.4	.784	37.71	33.39
Ohio.....	2	5	5.2	46.0	42.4	92.2	.588	27.05	24.91
Pennsylvania.....	2	3	6.3	54.7	59.5	108.8	.449	24.56	26.69
<b>Total.....</b>	<b>54</b>	<b>151</b>	<b>5.5</b>	<b>49.6</b>	<b>42.8</b>	<b>86.3</b>	<b>.684</b>	<b>33.93</b>	<b>29.36</b>

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



TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

BOTTOMING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Stitch separators (including stitch wheelers), male:</b>									
Illinois.....	4	14	5.4	48.4	43.0	88.8	\$0.581	\$28.12	\$24.95
Kentucky.....	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> )
Maine.....	4	6	5.8	51.3	46.0	89.7	.373	19.13	17.15
Maryland and Virginia.....	2	4	4.3	48.0	31.6	65.8	.360	16.80	11.08
Massachusetts.....	13	28	5.5	48.0	41.2	85.8	.555	26.04	22.86
Michigan.....	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> )
Minnesota.....	2	2	5.5	49.0	42.0	85.7	.396	19.40	16.64
Missouri.....	6	10	5.8	49.6	48.1	97.0	.375	18.60	18.05
New Hampshire.....	7	10	5.3	48.7	38.6	79.3	.361	17.58	13.92
New Jersey.....	3	3	0.0	44.0	42.7	97.0	.674	26.66	28.77
New York.....	7	27	5.2	48.4	41.7	86.2	.577	27.93	24.05
Ohio.....	4	15	4.3	48.7	31.1	63.9	.488	23.77	15.16
Pennsylvania.....	8	6	6.0	53.0	46.3	87.4	.465	24.65	21.53
Tennessee.....	3	5	5.6	51.0	49.1	96.3	.427	21.78	20.94
Wisconsin.....	8	23	5.5	50.4	46.3	91.9	.507	25.55	23.46
Total.....	68	168	5.4	49.1	42.2	85.9	.491	24.11	20.73
<b>Levelers, male:</b>									
Illinois.....	5	24	5.3	49.3	41.7	84.6	.601	29.63	25.04
Kentucky.....	3	5	6.0	53.0	56.5	106.6	.418	22.15	23.63
Maine.....	5	28	5.5	51.8	47.3	91.3	.486	25.17	22.99
Maryland and Virginia.....	6	11	4.7	49.0	38.2	78.0	.601	24.55	19.15
Massachusetts.....	39	103	5.0	48.3	41.4	85.7	.663	32.02	27.45
Michigan.....	3	5	5.2	49.5	45.6	92.1	.863	27.87	25.66
Minnesota.....	4	8	5.4	50.3	44.0	87.5	.565	25.40	22.22
Missouri.....	8	28	5.6	49.4	45.4	93.9	.511	25.24	23.70
New Hampshire.....	7	14	5.8	50.0	39.9	79.8	.449	22.45	17.94
New Jersey.....	3	6	5.5	48.3	40.3	83.4	.810	39.12	32.66
New York.....	17	88	5.6	48.4	42.5	87.8	.624	30.20	26.62
Ohio.....	7	30	5.0	47.5	36.9	77.7	.613	29.12	22.58
Pennsylvania.....	7	15	5.6	52.3	42.2	80.7	.430	22.49	18.11
Tennessee.....	4	8	5.8	51.9	40.6	95.6	.440	22.94	21.84
Wisconsin.....	5	17	4.8	49.4	38.4	77.7	.591	29.20	22.66
Total.....	124	890	5.5	49.1	42.3	86.2	.586	28.77	24.77
<b>Heelers, leather, male:</b>									
Illinois.....	3	15	5.8	48.4	41.9	86.6	.841	40.70	35.27
Kentucky.....	3	4	5.8	53.9	49.1	91.1	.558	30.08	27.66
Maine.....	4	8	5.6	52.5	44.3	84.4	.643	33.76	28.47
Maryland and Virginia.....	6	10	5.1	49.1	33.9	69.0	.463	22.73	15.69
Massachusetts.....	21	52	5.5	48.0	39.4	82.1	.815	39.12	32.07
Michigan.....	3	10	5.2	50.0	44.9	89.8	.602	30.10	27.03
Minnesota.....	4	4	5.3	50.0	43.2	86.4	.657	27.85	24.08
Missouri.....	5	24	5.8	49.9	48.0	96.2	.601	29.99	28.84
New Hampshire.....	7	19	5.3	49.2	36.2	73.8	.598	29.42	21.74
New Jersey.....	3	5	5.4	47.4	44.6	94.1	.762	36.12	33.99
New York.....	15	88	5.4	48.2	43.2	89.6	.741	35.72	31.98
Ohio.....	6	26	4.8	47.5	37.1	78.1	.725	34.44	26.91
Pennsylvania.....	8	18	5.3	51.8	39.9	77.0	.566	29.32	22.55
Tennessee.....	4	6	5.5	51.7	47.5	91.9	.583	30.14	27.70
Wisconsin.....	8	23	5.4	50.2	44.3	88.2	.665	33.38	29.48
Total.....	99	202	5.4	49.2	41.5	84.3	.689	33.90	28.62
<b>Heelers, wood, male:</b>									
Illinois.....	4	28	5.4	49.6	41.4	83.5	.631	26.34	21.97
Kentucky.....	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> )
Maine.....	5	29	5.6	53.9	47.2	87.6	.569	30.67	26.88
Maryland and Virginia.....	4	19	5.4	48.9	44.5	91.0	.548	26.70	24.30
Massachusetts.....	32	309	5.6	48.4	41.1	84.9	.867	41.96	35.65
Minnesota.....	3	8	4.8	48.8	32.6	66.8	.694	33.38	22.26
Missouri.....	5	90	5.4	48.4	43.3	89.5	.709	34.32	30.68
New Hampshire.....	8	22	5.9	50.6	44.1	87.2	.555	28.08	24.47
New York.....	16	250	5.7	47.2	45.1	95.6	.717	33.84	32.30
Ohio.....	4	76	4.9	48.9	35.2	72.0	.757	37.02	25.64
Pennsylvania.....	6	47	4.4	48.3	32.7	67.7	.611	29.51	19.96
Wisconsin.....	2	10	5.7	47.7	42.1	88.3	.813	38.78	34.21
Total.....	67	891	5.5	48.4	41.7	86.2	.746	36.11	31.11

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

BOTTOMING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Heel trimmers or shavers, male:</b>									
Illinois	4	24	5.9	48.8	45.8	93.9	\$0.776	\$37.87	\$35.83
Kentucky	3	4	6.0	53.9	54.3	100.7	.411	22.15	22.32
Maine	6	13	5.8	52.8	44.9	85.0	.485	25.61	21.78
Maryland and Virginia	5	10	5.2	49.4	37.5	75.9	.539	26.63	20.23
Massachusetts	24	53	5.5	48.0	39.4	82.1	.752	36.10	29.64
Michigan	3	4	5.3	49.4	45.9	92.9	.573	28.31	26.30
Minnesota	4	10	5.7	49.9	46.0	92.2	.480	23.95	22.10
Missouri	5	15	5.9	50.0	48.2	96.4	.562	28.10	27.32
New Hampshire	7	14	5.4	49.1	37.1	75.6	.605	29.71	22.45
New Jersey	2	3	5.7	44.0	41.2	93.6	1.090	47.96	44.87
New York	16	36	5.7	47.6	44.7	93.9	.826	39.32	36.88
Ohio	4	11	4.8	48.2	35.6	73.9	.722	34.80	25.68
Pennsylvania	7	11	5.4	52.2	40.2	77.0	.661	31.37	24.14
Tennessee	4	8	5.8	52.5	48.9	93.1	.396	20.79	19.36
Wisconsin	7	16	5.3	50.6	45.4	89.7	.613	31.02	27.82
Total	101	232	5.5	49.2	42.8	87.0	.670	32.96	28.70
<b>Heel breasters, male:</b>									
Illinois	3	6	5.5	49.3	44.5	90.3	.422	20.80	18.76
Kentucky	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maine	2	2	5.5	52.0	45.7	87.9	.359	18.67	16.41
Maryland and Virginia	3	5	4.4	48.5	26.7	55.1	.485	23.52	12.92
Massachusetts	21	26	5.5	48.4	38.5	79.5	.564	27.30	21.73
Minnesota	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri	4	7	4.4	50.0	39.2	78.4	.478	23.90	18.76
New Hampshire	3	3	5.3	50.2	30.2	60.2	.442	22.19	13.33
New Jersey	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York	14	57	5.7	46.5	44.4	95.5	.675	31.39	28.95
Ohio	3	8	5.1	48.0	43.9	91.5	.697	33.46	30.63
Pennsylvania	5	5	5.0	52.4	36.6	69.8	.432	23.68	16.65
Tennessee	3	6	5.5	51.7	47.5	91.9	.318	16.44	15.09
Wisconsin	4	4	4.8	51.8	38.1	73.6	.460	23.83	17.52
Total	68	132	5.4	48.2	41.7	86.5	.586	28.25	24.44
<b>Edge trimmers, male:</b>									
Illinois	5	56	5.4	48.8	43.8	89.8	.749	36.55	32.79
Kentucky	3	14	5.8	52.2	50.0	95.8	.692	36.12	34.59
Maine	7	40	5.9	52.8	48.0	90.9	.575	30.36	27.58
Maryland and Virginia	6	34	4.5	48.8	31.2	63.9	.595	29.04	18.59
Massachusetts	46	252	5.5	48.2	39.7	82.4	.821	39.57	32.61
Michigan	4	16	5.4	49.4	47.3	95.7	.659	32.51	31.10
Minnesota	4	9	5.4	48.6	45.9	88.5	.653	32.39	28.68
Missouri	8	96	5.7	49.6	46.8	94.4	.611	30.31	28.61
New Hampshire	8	58	5.5	49.1	39.1	79.6	.642	31.52	25.12
New Jersey	3	9	5.3	47.8	40.4	84.5	.807	38.57	32.61
New York	18	151	5.4	48.4	41.9	86.6	.782	37.95	32.05
Ohio	7	53	4.6	47.7	35.1	73.6	.718	34.26	24.19
Pennsylvania	8	41	5.5	52.3	42.8	81.8	.595	31.12	25.47
Tennessee	4	14	5.6	51.4	48.6	94.6	.583	29.97	28.37
Wisconsin	9	47	5.5	49.4	45.4	91.9	.743	36.70	33.71
Total	140	890	5.4	49.1	41.7	84.9	.722	35.45	30.11
<b>Sluggers, male:</b>									
Illinois	3	6	5.3	49.0	43.5	88.8	.600	29.40	26.11
Kentucky	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maine	3	3	6.0	51.3	50.4	98.2	.413	21.19	20.83
Massachusetts	6	7	6.4	47.6	39.0	81.9	.613	29.18	23.94
Michigan	2	2	5.5	50.0	47.5	95.0	.494	24.70	23.46
Minnesota	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Hampshire	3	5	5.4	48.9	39.7	81.2	.536	26.21	21.32
New Jersey	2	2	6.5	44.0	38.5	87.5	1.057	46.51	40.71
New York	9	14	6.0	48.1	41.1	85.4	.681	32.76	27.99
Ohio	3	4	4.8	48.8	36.1	74.0	.566	27.62	20.45
Pennsylvania	2	5	6.0	49.3	43.3	88.0	.493	24.26	21.37
Tennessee	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Wisconsin	2	4	4.3	50.0	37.2	74.4	.378	18.90	14.06
Total	39	60	5.4	48.8	41.9	85.9	.550	28.84	23.07

1 Data included in total.

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

FINISHING DEPARTMENT

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Buffers (including bottom scourers), male:</b>									
Illinois.....	5	25	5.3	49.4	42.6	86.2	\$0.612	\$30.23	\$20.08
Kentucky.....	3	9	5.7	52.6	48.7	92.0	.406	26.09	24.17
Maine.....	7	18	5.8	52.8	47.0	89.0	.630	33.26	29.62
Maryland and Virginia.....	6	18	4.9	48.9	38.3	78.3	.694	29.08	22.77
Massachusetts.....	42	99	5.7	48.3	40.0	84.1	.683	32.99	27.72
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Minnesota.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri.....	3	34	4.7	49.4	47.2	95.5	.677	28.50	27.23
New Hampshire.....	8	15	5.7	49.4	29.8	60.6	.602	24.30	20.00
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	18	74	5.6	47.9	43.9	91.6	.691	33.10	30.35
Ohio.....	7	27	5.0	48.7	37.6	77.2	.698	29.12	22.60
Pennsylvania.....	8	14	5.4	50.9	41.0	80.6	.658	28.40	22.89
Tennessee.....	4	9	5.0	52.2	43.4	83.1	.364	19.00	15.82
Wisconsin.....	7	25	5.2	49.3	42.7	86.6	.611	25.19	21.84
<b>Total.....</b>	<b>126</b>	<b>364</b>	<b>5.5</b>	<b>49.1</b>	<b>42.4</b>	<b>86.4</b>	<b>.620</b>	<b>30.44</b>	<b>26.29</b>
<b>Naumkeag operators, male:</b>									
Illinois.....	4	12	4.8	49.5	38.4	77.6	.489	24.21	18.93
Kentucky.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maryland and Virginia.....	3	6	4.5	48.8	33.8	69.3	.490	23.91	16.69
Massachusetts.....	28	42	5.7	48.7	40.9	84.0	.669	42.32	35.66
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Minnesota.....	3	3	5.0	49.2	42.0	85.4	.441	21.70	18.63
Missouri.....	5	11	6.0	49.3	60.7	102.8	.492	24.26	24.92
New Hampshire.....	4	5	6.0	49.3	43.4	88.0	.611	30.12	26.52
New Jersey.....	2	2	6.0	44.0	39.0	88.6	.687	28.91	25.64
New York.....	8	14	5.3	46.2	37.9	82.0	.794	36.68	30.11
Ohio.....	5	10	5.1	48.0	36.8	74.0	.704	33.79	25.18
Pennsylvania.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Tennessee.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Wisconsin.....	4	7	5.1	48.3	42.0	87.0	.714	34.49	30.03
<b>Total.....</b>	<b>71</b>	<b>122</b>	<b>5.4</b>	<b>48.8</b>	<b>41.1</b>	<b>84.2</b>	<b>.694</b>	<b>33.92</b>	<b>28.55</b>
<b>Edge setters, male:</b>									
Illinois.....	5	60	5.5	48.7	43.4	89.1	.719	38.02	31.18
Kentucky.....	3	12	5.4	52.4	45.7	87.2	.631	27.82	24.27
Maine.....	7	32	5.8	52.7	46.6	88.4	.605	31.88	28.24
Maryland and Virginia.....	6	24	4.7	48.8	33.5	68.6	.613	29.91	20.56
Massachusetts.....	45	237	5.5	48.2	39.8	82.6	.782	37.69	31.17
Michigan.....	4	8	5.5	49.4	47.9	97.0	.627	33.10	32.10
Minnesota.....	4	5	5.6	49.6	44.5	89.7	.670	31.10	27.88
Missouri.....	8	54	5.7	49.2	46.7	92.9	.688	33.85	31.42
New Hampshire.....	8	34	5.4	49.1	38.8	79.0	.616	30.25	23.90
New Jersey.....	3	6	5.8	43.4	47.0	103.5	1.015	46.08	47.72
New York.....	19	157	5.5	48.2	43.3	89.8	.728	35.09	31.50
Ohio.....	7	59	4.6	48.3	34.3	71.0	.659	31.83	22.62
Pennsylvania.....	8	44	5.7	52.0	42.3	81.3	.588	30.58	24.87
Tennessee.....	4	15	5.7	51.7	49.1	95.0	.496	25.64	24.31
Wisconsin.....	9	47	5.2	60.0	42.9	85.8	.710	35.50	30.43
<b>Total.....</b>	<b>140</b>	<b>794</b>	<b>5.4</b>	<b>49.0</b>	<b>41.6</b>	<b>84.9</b>	<b>.706</b>	<b>34.59</b>	<b>29.36</b>
<b>Heel scourers (including first and second scourers), male:</b>									
Illinois.....	4	30	5.2	49.0	40.6	82.9	.622	25.88	21.20
Kentucky.....	3	8	5.9	53.0	50.9	96.0	.368	19.50	18.73
Maine.....	5	10	5.7	52.5	43.0	81.9	.451	23.28	19.37
Maryland and Virginia.....	5	12	4.4	48.9	28.3	57.9	.503	24.60	14.27
Massachusetts.....	22	64	5.6	48.1	41.3	85.9	.677	32.56	27.91
Michigan.....	3	6	5.3	49.6	46.7	94.2	.653	32.39	30.51
Minnesota.....	4	6	5.6	50.5	45.4	89.9	.643	27.42	24.63
Missouri.....	3	25	5.7	49.8	47.3	95.0	.451	22.46	21.31
New Hampshire.....	7	29	5.3	48.8	37.9	77.7	.623	25.52	19.81
New Jersey.....	3	3	5.7	44.0	43.2	98.2	1.016	44.70	43.85
New York.....	17	71	5.5	48.1	43.0	89.4	.660	31.75	28.37

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

## WAGES AND HOURS OF LABOR

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## FINISHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Heel scorers, male—Continued.</b>									
Ohio.....	5	17	4.9	47.6	36.9	77.5	\$0.588	\$27.99	\$21.72
Pennsylvania.....	7	19	5.5	53.1	40.9	77.0	.427	22.67	17.48
Tennessee.....	4	10	5.2	51.5	46.1	89.5	.386	19.88	17.70
Wisconsin.....	5	33	5.5	49.6	46.2	93.1	.551	27.33	25.47
<b>Total.....</b>	<b>101</b>	<b>352</b>	<b>5.4</b>	<b>49.2</b>	<b>42.3</b>	<b>84.0</b>	<b>.567</b>	<b>27.90</b>	<b>23.95</b>
<b>Heel burnishers, (including stoners, expeditors, and heel slickers), male:</b>									
Illinois.....	5	29	5.4	49.8	43.0	88.1	.589	28.74	25.31
Kentucky.....	3	10	5.6	51.3	47.3	92.2	.490	25.14	23.16
Maine.....	6	17	5.6	52.6	42.6	81.0	.566	29.77	24.15
Maryland and Virginia.....	4	9	4.6	48.8	30.0	61.5	.504	24.60	15.11
Massachusetts.....	23	61	5.4	48.1	37.2	77.3	.603	29.00	22.43
Michigan.....	3	3	5.7	50.0	47.9	95.8	.586	29.30	28.11
Minnesota.....	2	4	5.0	48.5	40.1	82.7	.558	27.06	22.36
Missouri.....	6	25	5.6	49.8	47.2	94.8	.454	22.61	21.45
New Hampshire.....	8	24	5.5	49.1	40.3	82.1	.391	19.20	15.79
New Jersey.....	3	3	5.7	46.8	43.2	92.3	.735	34.40	31.71
New York.....	16	62	5.4	48.6	42.6	87.7	.545	26.49	23.22
Ohio.....	7	17	4.7	47.3	36.0	76.1	.529	25.02	19.02
Pennsylvania.....	7	15	5.5	52.5	41.1	78.3	.394	20.69	16.20
Tennessee.....	4	9	5.0	52.2	41.3	79.1	.334	17.43	13.79
Wisconsin.....	7	20	5.1	50.2	42.1	83.9	.565	28.36	22.76
<b>Total.....</b>	<b>104</b>	<b>308</b>	<b>5.4</b>	<b>49.3</b>	<b>41.1</b>	<b>83.4</b>	<b>.527</b>	<b>25.98</b>	<b>21.66</b>
<b>Heel burnishers, (including stoners, expeditors, and heel slickers), 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> )
Minnesota.....	2	3	5.0	49.0	37.4	76.3	.274	13.43	10.24
Wisconsin.....	2	10	4.8	50.0	39.4	78.8	.349	17.45	13.75
<b>Total.....</b>	<b>5</b>	<b>14</b>	<b>4.9</b>	<b>49.6</b>	<b>39.6</b>	<b>79.8</b>	<b>.341</b>	<b>16.91</b>	<b>13.61</b>
<b>Bottom finishers (including bottom slickers), male:</b>									
Illinois.....	4	27	5.5	48.5	45.3	93.4	.671	32.54	30.38
Kentucky.....	3	6	5.5	53.0	47.7	90.0	.449	23.80	21.42
Maine.....	7	18	5.8	52.5	49.5	94.3	.504	26.46	24.99
Maryland and Virginia.....	5	9	4.7	49.1	33.7	68.6	.517	25.38	17.44
Massachusetts.....	37	120	5.2	48.1	37.6	78.2	.682	32.80	25.64
Michigan.....	4	8	5.4	49.4	46.9	94.9	.415	20.50	19.48
Minnesota.....	3	5	5.2	49.1	43.4	88.4	.393	19.30	17.07
Missouri.....	7	33	5.9	49.3	48.6	98.6	.481	23.71	23.38
New Hampshire.....	8	25	5.0	49.0	38.0	77.6	.469	22.98	17.83
New Jersey.....	3	17	5.2	48.0	42.5	88.5	.620	29.76	26.38
New York.....	17	118	5.4	47.8	41.2	86.2	.589	28.15	24.26
Ohio.....	7	43	4.7	48.7	33.9	69.6	.569	27.71	19.31
Pennsylvania.....	8	29	5.8	51.3	42.8	83.4	.492	25.24	21.06
Tennessee.....	4	7	5.7	52.1	46.4	94.8	.395	20.58	19.63
Wisconsin.....	6	26	5.2	49.0	43.1	88.0	.537	26.31	23.15
<b>Total.....</b>	<b>123</b>	<b>491</b>	<b>5.3</b>	<b>48.8</b>	<b>41.0</b>	<b>84.0</b>	<b>.576</b>	<b>28.11</b>	<b>23.69</b>
<b>Bottom finishers (including bottom slickers), 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> )
Maine.....	2	3	6.0	54.0	43.2	80.0	.315	17.01	13.62
Massachusetts.....	3	4	5.8	48.0	32.8	68.3	.311	14.93	10.20
New York.....	2	21	5.8	50.0	43.6	87.0	.400	20.00	19.39
Ohio.....	3	4	4.0	48.8	29.4	60.2	.496	24.20	14.57
Wisconsin.....	2	23	5.4	48.6	43.8	90.1	.356	17.30	15.60
<b>Total.....</b>	<b>18</b>	<b>60</b>	<b>5.5</b>	<b>49.5</b>	<b>43.2</b>	<b>87.8</b>	<b>.375</b>	<b>18.56</b>	<b>16.20</b>

1 Data included in total.

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

FINISHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Brushers, male:</b>									
Illinois.....	5	17	4.9	49.4	40.0	81.0	\$0.351	\$17.34	\$14.02
Kentucky.....	2	3	5.0	51.8	41.2	79.5	.348	18.03	14.32
Maine.....	3	8	6.0	51.0	51.9	101.8	.346	17.65	17.95
Maryland and Virginia.....	3	6	5.2	48.0	37.8	78.8	.283	12.14	9.74
Massachusetts.....	12	23	5.4	48.1	38.2	79.4	.500	24.05	19.12
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Minnesota.....	2	2	6.0	49.0	48.3	98.6	.292	14.31	14.10
Missouri.....	5	13	6.0	49.5	48.0	97.0	.388	19.21	18.01
New Hampshire.....	5	14	5.5	48.1	43.7	90.9	.320	15.68	14.21
New Jersey.....	2	3	6.0	44.0	45.0	102.3	.427	18.79	19.21
New York.....	11	42	5.8	48.6	43.0	88.5	.568	27.60	24.32
Ohio.....	6	13	4.8	48.4	36.0	74.4	.412	19.94	14.83
Pennsylvania.....	4	7	5.6	50.7	41.1	81.1	.410	20.79	16.86
Tennessee.....	3	5	5.0	52.0	42.7	82.1	.305	15.86	13.03
Wisconsin.....	5	18	5.6	49.2	46.7	94.9	.449	22.09	20.98
Total.....	69	175	5.4	48.9	42.6	87.1	.436	21.32	18.68
<b>Brushers, female:</b>									
Illinois.....	3	8	5.3	48.5	43.6	89.9	.233	16.15	14.52
Kentucky.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	2	2	5.5	48.0	44.5	92.7	.231	15.89	14.75
Minnesota.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri.....	3	8	5.3	50.0	44.3	88.6	.312	15.60	13.70
New Hampshire.....	3	4	5.8	50.8	44.7	88.0	.272	13.82	12.15
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Ohio.....	2	7	4.9	45.0	41.5	92.2	.408	18.36	16.03
Pennsylvania.....	2	2	6.0	51.0	51.4	100.8	.243	12.39	12.48
Tennessee.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Wisconsin.....	2	5	6.0	50.0	49.3	98.6	.625	26.25	25.83
Total.....	22	42	5.4	49.1	44.7	91.0	.342	16.79	15.28
<b>Shoe cleaners, male:</b>									
Maine.....	2	4	5.3	52.0	42.0	80.8	.414	21.53	17.38
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	7	15	5.7	48.3	40.5	83.9	.528	25.50	21.36
Missouri.....	5	11	5.6	49.3	47.1	95.5	.282	13.90	13.25
New Hampshire.....	4	5	5.0	50.6	35.4	70.0	.364	18.42	12.86
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	14	51	5.5	47.2	41.9	88.8	.451	21.29	18.93
Ohio.....	6	41	3.7	49.0	29.7	60.6	.509	24.94	15.09
Pennsylvania.....	3	16	5.7	48.6	43.5	89.5	.409	19.88	17.80
Tennessee.....	2	3	6.0	53.3	51.7	97.0	.425	22.65	21.95
Wisconsin.....	2	4	5.3	53.3	44.8	84.1	.352	18.76	15.76
Total.....	47	163	5.0	48.7	39.1	80.3	.441	21.48	17.25
<b>Shoe cleaners, female:</b>									
Illinois.....	3	9	5.1	49.1	41.6	84.7	.264	12.47	10.57
Kentucky.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maine.....	2	12	4.8	54.0	40.2	74.4	.256	13.82	10.33
Massachusetts.....	13	39	4.6	47.6	32.7	68.7	.318	16.14	10.37
Minnesota.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri.....	2	7	6.0	50.0	49.9	99.8	.281	14.05	14.01
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	8	17	5.2	47.3	39.6	83.7	.328	15.51	12.98
Ohio.....	6	28	4.6	48.7	37.1	76.2	.313	15.24	11.60
Pennsylvania.....	3	11	5.4	48.8	43.0	90.0	.303	14.79	13.27
Tennessee.....	3	5	5.8	52.0	50.1	96.3	.299	15.55	14.95
Wisconsin.....	4	10	6.6	49.2	44.9	91.3	.318	15.65	14.26
Total.....	47	145	5.0	49.0	39.5	80.6	.300	14.70	11.85
<b>Last pullers, hand and machine, male:</b>									
Illinois.....	5	16	5.3	49.4	42.7	86.4	.429	21.19	18.32
Kentucky.....	3	6	5.5	52.4	48.0	91.6	.365	18.13	17.53
Maine.....	7	18	5.7	52.9	44.7	84.5	.435	23.01	19.45
Maryland and Virginia.....	6	7	5.3	49.3	40.9	83.0	.403	19.87	16.50

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## FINISHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Last pullers, hand and machine, male—Continued.</b>									
Massachusetts.....	41	90	5.6	48.3	40.8	84.5	\$0.549	\$26.52	\$22.43
Michigan.....	2	3	5.7	50.0	46.3	92.6	.469	23.45	21.71
Minnesota.....	4	5	5.4	50.0	44.5	89.0	.410	20.50	18.21
Missouri.....	8	33	5.8	49.5	48.6	98.2	.454	22.47	22.05
New Hampshire.....	8	13	5.5	49.5	40.3	81.4	.451	22.32	18.18
New Jersey.....	3	8	5.3	46.8	40.2	85.9	.855	40.01	34.34
New York.....	17	38	5.3	47.8	41.8	87.4	.649	31.02	27.14
Ohio.....	7	21	4.5	47.8	34.0	71.1	.476	22.75	16.19
Pennsylvania.....	5	9	5.1	51.2	38.9	76.0	.354	18.12	13.76
Tennessee.....	4	7	5.7	52.1	47.1	90.4	.356	18.55	16.79
Wisconsin.....	8	17	5.4	49.2	43.6	88.6	.476	23.37	20.71
Total.....	127	276	5.5	49.2	42.3	86.0	.501	24.66	21.18
<b>Triers, hand and machine, male:</b>									
Illinois.....	3	48	4.9	49.4	38.7	78.3	.424	20.95	16.43
Kentucky.....	3	11	5.8	53.3	50.5	94.7	.470	25.05	23.74
Maine.....	7	74	5.8	53.3	50.7	95.1	.468	24.94	23.73
Maryland and Virginia.....	6	41	5.8	48.8	40.5	83.0	.457	22.30	18.49
Massachusetts.....	46	508	5.5	48.3	40.5	83.9	.632	30.53	25.61
Michigan.....	4	14	5.5	49.6	48.0	96.8	.564	27.97	27.06
Minnesota.....	4	10	5.7	50.1	48.0	95.8	.426	21.34	20.46
Missouri.....	6	112	5.8	49.6	48.6	98.0	.516	25.59	25.07
New Hampshire.....	7	89	5.7	49.3	44.1	89.5	.424	20.90	18.72
New Jersey.....	2	9	5.8	44.0	38.7	88.0	.893	39.29	34.58
New York.....	14	167	4.9	47.6	43.1	90.5	.638	30.27	27.40
Ohio.....	4	25	5.0	50.0	37.9	75.8	.441	22.05	16.68
Pennsylvania.....	8	45	5.6	52.2	44.4	85.1	.476	24.85	21.15
Tennessee.....	4	15	5.5	52.3	47.6	91.0	.368	19.25	17.48
Wisconsin.....	7	42	5.6	49.6	45.9	92.5	.604	29.96	27.75
Total.....	125	1,210	5.4	49.1	43.0	87.6	.563	27.64	24.23
<b>Triers, hand and machine, female:</b>									
Illinois.....	3	62	5.5	48.8	43.8	89.8	.419	20.45	18.36
Kentucky.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	5	11	5.8	47.9	36.4	76.0	.347	16.62	12.66
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Minnesota.....	3	5	4.6	49.5	37.8	76.4	.275	18.56	14.18
Missouri.....	6	40	5.8	48.7	46.2	94.9	.335	16.31	15.48
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	7	58	5.6	48.3	43.6	90.3	.382	18.45	16.65
Ohio.....	4	32	4.8	45.6	41.3	90.6	.411	18.74	16.96
Pennsylvania.....	2	2	6.0	51.0	51.0	100.0	.367	18.72	18.72
Tennessee.....	2	12	5.4	50.0	45.1	90.2	.280	14.00	12.60
Wisconsin.....	5	35	5.2	49.3	42.4	86.0	.393	19.37	16.65
Total.....	42	280	5.4	48.6	43.2	88.9	.380	18.47	16.42
<b>Repairers (not cobblers) (including tip fixers and scourers), male:</b>									
Illinois.....	4	6	4.7	49.7	38.7	77.9	.389	19.33	15.03
Maine.....	4	8	5.9	52.5	51.3	97.7	.470	24.68	24.12
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	12	24	5.7	48.0	46.3	96.5	.556	26.69	25.74
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri.....	2	6	6.0	49.7	49.3	99.2	.514	25.55	25.34
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	2	5	6.0	44.0	47.4	107.7	.743	32.69	35.22
New York.....	10	58	5.8	46.8	42.9	91.7	.729	34.12	31.28
Ohio.....	4	9	5.3	47.2	45.8	97.0	.561	26.48	25.71
Pennsylvania.....	4	10	4.4	51.8	38.6	71.3	.500	25.65	18.28
Tennessee.....	3	4	6.0	53.8	50.9	94.6	.304	16.36	15.48
Wisconsin.....	2	5	5.8	48.4	47.4	97.9	.669	32.38	31.72
Total.....	50	142	5.6	48.2	44.5	92.3	.606	29.21	27.01

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

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour and per cent of full time worked, 1930, by, department, occupation, sex, and State—Contd.

FINISHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Repairers (not cobblers) (including lip fixers and scourers), female:</b>									
Illinois.....	5	82	4.8	49.4	38.3	77.5	\$0.311	\$15.36	\$11.01
Kentucky.....	3	16	5.9	52.8	50.5	95.6	.384	20.28	19.42
Maine.....	7	63	5.1	53.4	43.5	81.5	.358	19.12	15.57
Maryland and Virginia.....	5	29	5.0	48.5	37.6	77.5	.297	14.40	11.15
Massachusetts.....	42	222	5.4	47.9	41.2	86.0	.495	23.71	20.37
Michigan.....	3	11	5.7	49.5	43.8	88.6	.360	17.82	17.59
Minnesota.....	4	9	5.0	49.8	48.8	98.0	.291	14.49	14.21
Missouri.....	8	117	5.3	49.1	48.8	99.4	.300	14.73	14.64
New Hampshire.....	8	86	5.7	49.2	44.9	91.3	.358	17.61	16.06
New Jersey.....	2	10	5.1	51.7	46.7	90.3	.258	13.34	12.04
New York.....	16	105	5.3	48.2	41.7	86.5	.402	19.38	16.79
Ohio.....	6	41	5.2	48.9	39.2	80.2	.379	18.53	14.86
Pennsylvania.....	5	28	5.4	49.1	43.9	89.4	.382	18.76	16.78
Tennessee.....	2	10	5.9	50.0	49.6	99.2	.297	14.85	14.73
Wisconsin.....	7	34	5.6	49.5	45.7	92.3	.388	19.21	17.73
<b>Total.....</b>	<b>123</b>	<b>863</b>	<b>5.4</b>	<b>49.2</b>	<b>43.1</b>	<b>87.6</b>	<b>.363</b>	<b>18.84</b>	<b>16.50</b>
<b>Dressers, female:</b>									
Illinois.....	5	32	5.1	48.6	41.2	84.8	.387	18.81	15.93
Kentucky.....	3	6	5.7	53.0	50.0	94.3	.321	17.01	16.03
Maine.....	5	14	5.5	51.4	47.0	91.4	.317	16.29	14.92
Maryland and Virginia.....	2	6	4.3	48.0	30.0	62.5	.223	10.70	6.69
Massachusetts.....	20	68	5.2	47.9	39.0	81.4	.412	19.73	16.08
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Minnesota.....	2	9	5.4	48.5	43.5	89.7	.263	12.76	11.43
Missouri.....	7	52	5.7	49.8	47.8	96.0	.308	15.34	14.73
New Hampshire.....	8	34	5.3	48.6	41.9	86.2	.313	16.21	13.12
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	13	49	5.3	48.9	43.7	89.4	.446	21.81	19.49
Ohio.....	7	38	4.8	47.0	39.2	83.4	.364	17.11	14.29
Pennsylvania.....	3	12	5.8	49.7	48.7	98.0	.240	11.93	11.68
Tennessee.....	4	16	5.8	51.6	49.8	96.5	.263	13.57	13.10
Wisconsin.....	7	53	5.7	49.2	47.0	95.5	.362	17.81	17.01
<b>Total.....</b>	<b>88</b>	<b>392</b>	<b>5.4</b>	<b>48.9</b>	<b>43.5</b>	<b>89.0</b>	<b>.355</b>	<b>17.36</b>	<b>15.45</b>
<b>Sock liners (including heel-lining, heel-pad, and heel-pin pasters), male:</b>									
Maryland and Virginia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	4	4	5.3	48.5	41.0	84.5	.598	29.00	24.50
Missouri.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	2	3	5.0	46.7	41.5	88.9	.638	29.79	25.49
Ohio.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Total.....</b>	<b>11</b>	<b>18</b>	<b>5.3</b>	<b>48.4</b>	<b>43.6</b>	<b>90.1</b>	<b>.463</b>	<b>22.41</b>	<b>20.21</b>
<b>Sock liners (including heel-lining, heel-pad, and heel-pin pasters), female:</b>									
Illinois.....	5	24	5.1	49.3	41.1	83.4	.323	15.92	13.26
Kentucky.....	2	5	6.0	50.9	50.7	99.6	.336	17.10	17.05
Maine.....	7	21	5.4	52.9	44.6	84.3	.300	15.87	13.40
Maryland and Virginia.....	4	7	5.3	49.3	43.4	88.0	.344	16.96	14.93
Massachusetts.....	40	110	5.3	47.9	37.8	78.9	.429	20.55	16.23
Michigan.....	2	3	5.3	50.0	46.7	93.4	.426	21.30	19.87
Minnesota.....	3	5	5.6	49.1	46.0	93.7	.270	13.26	12.43
Missouri.....	7	38	5.7	49.7	47.7	96.0	.311	15.46	14.82
New Hampshire.....	7	19	5.2	49.0	39.8	81.2	.343	17.05	13.67
New Jersey.....	3	5	5.8	45.7	43.2	94.5	.408	18.66	17.64
New York.....	19	67	5.5	47.7	42.4	88.9	.418	19.94	17.73
Ohio.....	7	17	4.8	47.6	38.0	81.7	.376	17.90	14.64
Pennsylvania.....	8	18	5.5	50.1	42.1	84.0	.284	14.23	11.96
Tennessee.....	4	7	5.7	52.1	49.9	95.8	.345	17.97	17.19
Wisconsin.....	7	17	5.3	49.3	42.7	86.6	.355	18.98	16.44
<b>Total.....</b>	<b>124</b>	<b>363</b>	<b>5.4</b>	<b>48.8</b>	<b>41.7</b>	<b>85.5</b>	<b>.374</b>	<b>18.25</b>	<b>15.69</b>

(Data included in total).

## WAGES AND HOURS OF LABOR

TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

## FINISHING DEPARTMENT—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Lacers (before packing), female:</b>									
Illinois.....	4	11	5.2	48.5	42.3	87.2	\$0.381	\$18.48	\$16.12
Kentucky.....	2	5	5.4	52.3	46.4	88.7	.288	15.06	13.37
Maine.....	4	20	5.2	53.4	43.0	80.5	.235	12.55	10.10
Maryland and Virginia.....	5	10	5.4	49.2	40.2	81.7	.249	12.25	10.03
Massachusetts.....	27	50	5.3	47.8	39.0	81.6	.370	17.69	14.42
Michigan.....	3	3	5.3	49.2	47.5	96.5	.303	14.91	14.38
Missouri.....	7	30	5.9	49.5	48.9	98.8	.293	14.50	14.32
New Hampshire.....	5	10	4.9	49.1	37.4	76.2	.351	17.23	13.12
New Jersey.....	3	4	5.8	46.1	44.6	96.7	.415	19.13	18.51
New York.....	12	29	5.5	48.3	43.0	89.0	.407	19.66	17.52
Ohio.....	7	10	4.9	47.5	41.1	86.5	.348	16.53	14.32
Pennsylvania.....	6	11	4.8	51.3	39.4	76.8	.247	12.67	9.71
Tennessee.....	3	7	5.6	51.4	49.1	95.5	.356	18.30	17.47
Wisconsin.....	7	14	5.5	49.1	44.0	89.6	.308	15.12	13.57
Total.....	95	214	5.4	49.3	42.6	86.4	.331	16.32	14.09
<b>Packers, male:</b>									
Illinois.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maine.....	3	3	6.0	53.1	64.1	120.7	.336	17.84	21.56
Maryland and Virginia.....	2	5	6.0	49.8	50.0	100.4	.368	18.23	18.30
Massachusetts.....	2	6	5.3	48.0	35.1	73.1	.411	18.73	14.42
Michigan.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Missouri.....	2	4	6.0	49.5	50.1	101.2	.405	20.05	20.28
New Hampshire.....	2	4	5.0	48.0	38.6	80.4	.274	13.15	10.58
New York.....	6	22	5.6	47.0	45.3	96.4	.544	25.57	24.68
Ohio.....	3	4	5.0	45.0	46.8	104.0	.478	21.51	22.39
Pennsylvania.....	2	2	5.0	54.5	44.4	81.5	.358	19.51	15.89
Wisconsin.....	2	13	4.8	49.5	42.5	85.9	.491	24.30	20.88
Total.....	26	71	5.4	48.9	46.4	95.1	.441	21.52	20.46
<b>Packers, female:</b>									
Illinois.....	5	25	5.2	49.4	42.9	86.8	.339	16.75	14.55
Kentucky.....	3	9	6.0	52.6	52.3	99.4	.344	18.09	17.98
Maine.....	6	20	5.3	53.2	44.2	83.1	.346	18.41	15.27
Maryland and Virginia.....	5	10	5.2	49.3	40.6	82.4	.278	13.71	11.29
Massachusetts.....	45	162	5.4	47.9	41.0	87.5	.431	20.64	18.05
Michigan.....	3	7	5.4	50.0	46.0	92.0	.270	13.50	12.42
Minnesota.....	4	6	5.3	49.7	44.2	88.9	.287	14.28	12.70
Missouri.....	8	38	5.7	49.0	46.9	95.7	.377	18.47	17.67
New Hampshire.....	7	28	5.4	49.4	42.4	87.9	.362	17.88	15.71
New Jersey.....	3	8	5.6	47.2	46.1	97.7	.339	16.00	15.65
New York.....	16	45	5.6	47.6	42.2	88.7	.418	19.90	17.63
Ohio.....	7	30	5.0	48.5	38.3	79.0	.346	16.78	13.26
Pennsylvania.....	7	27	5.7	48.8	43.7	89.5	.312	15.23	13.62
Tennessee.....	4	13	5.0	51.2	46.8	91.4	.268	13.72	12.55
Wisconsin.....	9	29	5.4	49.0	43.7	89.2	.366	17.93	15.99
Total.....	132	457	5.4	48.8	43.0	88.1	.379	18.50	16.31

## ALL DEPARTMENTS

<b>Other employees, male:</b>									
Illinois.....	6	518	5.5	48.8	44.0	90.2	\$0.521	\$25.42	\$22.91
Kentucky.....	3	101	5.3	52.5	47.2	89.9	.321	16.85	15.13
Maine.....	7	325	5.8	53.1	49.2	92.7	.454	24.11	22.34
Maryland and Virginia.....	7	287	4.6	48.6	34.2	70.4	.412	20.02	14.08
Massachusetts.....	56	2,372	5.5	48.1	43.0	89.4	.544	26.17	23.42
Michigan.....	4	99	5.3	49.9	46.3	92.8	.542	27.05	25.09
Minnesota.....	4	97	5.5	50.3	45.8	91.1	.469	23.50	21.48
Missouri.....	11	1,557	5.7	48.7	46.4	95.3	.490	23.86	22.78
New Hampshire.....	9	519	5.5	49.0	42.3	86.3	.445	21.81	18.82
New Jersey.....	3	108	5.6	45.7	43.4	95.0	.596	27.24	25.52
New York.....	19	1,709	5.5	48.0	44.4	92.5	.513	24.62	22.77
Ohio.....	7	364	4.8	48.2	37.0	76.8	.466	22.46	17.29
Pennsylvania.....	12	597	5.6	51.3	46.0	89.7	.427	21.91	19.66
Tennessee.....	4	102	6.3	51.8	47.1	90.9	.391	20.25	18.43
Wisconsin.....	9	348	5.4	49.5	44.9	90.7	.548	27.13	24.68
Total.....	111	9,073	5.5	48.8	44.0	90.2	.500	24.40	21.97

1 Data included in total.



TABLE A.—Average number of days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1930, by department, occupation, sex, and State—Contd.

ALL DEPARTMENTS—Continued

Occupation, sex, and State	Number of establishments	Number of wage earners	Average days on which wage earners worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full-time hours actually worked	Average earnings per hour	Average full-time earnings per week	Average amount actually earned in week
<b>Other employees, female:</b>									
Illinois.....	6	439	5.3	49.1	48.4	88.4	\$0.340	\$16.69	\$14.78
Kentucky.....	3	75	5.6	52.1	48.8	93.7	.224	11.67	10.92
Maine.....	7	208	5.5	53.0	47.3	89.2	.340	18.50	16.51
Maryland and Virginia.....	7	104	5.1	48.5	41.3	85.2	.302	14.65	12.49
Massachusetts.....	48	1,319	5.3	47.8	49.6	103.6	.415	19.84	16.87
Michigan.....	4	31	5.3	49.7	45.8	92.2	.384	16.60	15.31
Minnesota.....	4	41	5.4	50.8	45.5	89.6	.308	15.65	14.08
Missouri.....	11	784	5.6	49.1	46.7	95.1	.284	18.94	13.29
New Hampshire.....	9	319	5.2	49.2	39.0	79.3	.345	16.97	13.45
New Jersey.....	3	20	6.0	44.4	43.4	97.7	.517	22.85	22.41
New York.....	19	861	5.5	48.6	43.3	89.1	.367	17.84	16.05
Ohio.....	7	262	4.9	48.1	36.7	76.3	.343	16.50	12.61
Pennsylvania.....	10	215	5.6	49.6	44.2	89.1	.308	15.28	13.63
Tennessee.....	4	83	5.3	50.8	44.6	87.8	.230	11.68	10.27
Wisconsin.....	9	271	5.3	49.0	43.2	88.2	.368	18.03	15.89
Total.....	151	5,032	5.4	48.9	42.9	87.7	.351	17.19	15.04
<b>All occupations, male:</b>									
Illinois.....	6	1,808	5.4	48.8	42.8	87.7	.624	30.45	26.78
Kentucky.....	3	386	5.6	52.4	49.5	94.5	.434	22.74	21.46
Maine.....	7	1,277	5.8	52.9	48.2	91.1	.511	27.03	24.65
Maryland and Virginia.....	7	946	4.8	48.8	36.4	74.6	.490	23.91	17.84
Massachusetts.....	56	3,725	5.4	48.2	41.0	85.1	.671	32.34	27.48
Michigan.....	4	846	5.3	49.6	45.6	91.9	.554	27.48	25.25
Minnesota.....	4	347	5.5	50.0	45.0	90.0	.498	24.90	22.40
Missouri.....	11	3,730	5.6	49.0	45.7	89.1	.548	26.85	25.03
New Hampshire.....	9	1,718	5.4	49.0	40.5	82.7	.605	24.75	20.47
New Jersey.....	3	327	5.6	45.9	42.5	92.6	.711	32.63	30.26
New York.....	19	6,210	5.5	47.6	43.9	92.2	.666	31.70	29.26
Ohio.....	7	1,677	4.7	48.2	35.3	70.2	.690	28.44	20.85
Pennsylvania.....	12	1,873	5.6	51.1	43.9	85.9	.612	26.16	22.47
Tennessee.....	4	503	5.4	51.8	47.0	90.7	.440	22.79	20.68
Wisconsin.....	9	1,676	5.4	49.7	44.4	89.3	.602	29.92	26.72
Total.....	161	31,649	5.4	48.8	42.7	87.5	.604	29.48	25.79
<b>All occupations, female:</b>									
Illinois.....	6	1,785	5.4	49.1	44.4	90.4	.376	18.46	16.70
Kentucky.....	3	379	5.7	52.3	50.6	96.9	.273	14.25	13.80
Maine.....	7	1,130	5.5	53.1	46.0	86.6	.360	19.12	16.56
Maryland and Virginia.....	7	605	4.7	48.8	33.3	78.5	.311	15.18	11.93
Massachusetts.....	48	6,197	5.4	47.9	39.6	82.7	.446	21.36	17.66
Michigan.....	4	257	5.1	49.6	43.9	88.5	.318	15.77	13.95
Minnesota.....	4	285	5.2	49.9	41.6	83.4	.321	16.02	13.35
Missouri.....	11	2,824	5.4	49.2	45.0	91.5	.321	15.79	14.44
New Hampshire.....	9	1,437	5.2	49.1	38.0	77.4	.349	17.14	13.27
New Jersey.....	3	189	5.6	46.5	41.8	89.9	.463	22.46	20.22
New York.....	19	3,864	5.4	48.4	43.1	89.0	.411	19.89	17.71
Ohio.....	7	1,697	4.8	48.0	36.3	75.6	.361	17.33	13.12
Pennsylvania.....	11	1,146	5.5	50.0	43.8	87.6	.331	16.55	14.50
Tennessee.....	4	456	5.4	51.4	45.7	88.9	.268	13.78	12.24
Wisconsin.....	9	1,458	5.2	49.1	43.2	88.0	.409	20.08	17.66
Total.....	162	23,609	5.3	48.9	42.0	85.9	.362	18.68	16.04
<b>All occupations, male and female:</b>									
Illinois.....	6	2,593	5.4	49.0	43.6	89.0	.499	24.45	21.75
Kentucky.....	3	763	5.7	52.3	50.0	95.6	.353	18.46	17.66
Maine.....	7	2,407	5.6	53.0	47.2	89.1	.442	23.43	20.85
Maryland and Virginia.....	7	1,551	4.8	48.8	37.1	76.0	.416	20.40	15.54
Massachusetts.....	56	14,992	5.4	48.1	40.4	84.0	.579	27.85	23.40
Michigan.....	4	608	5.2	49.6	44.9	90.5	.456	22.62	20.44
Minnesota.....	4	632	5.3	49.9	43.4	87.0	.422	21.06	18.32
Missouri.....	11	6,554	5.5	49.1	45.4	92.5	.451	22.14	20.47
New Hampshire.....	9	2,155	5.3	49.0	39.4	80.4	.437	21.41	17.19
New Jersey.....	3	516	5.6	46.1	42.3	91.8	.638	28.95	26.58
New York.....	19	10,074	5.5	47.9	43.6	91.0	.569	27.26	24.83
Ohio.....	7	3,274	4.8	48.1	35.8	74.4	.477	22.94	17.08
Pennsylvania.....	12	3,019	5.6	50.7	43.9	86.6	.443	22.46	19.44
Tennessee.....	4	959	5.4	51.6	46.4	89.9	.359	18.52	16.67
Wisconsin.....	9	3,134	5.3	49.4	43.8	88.7	.513	25.34	22.51
Total.....	161	53,168	5.4	48.9	42.4	86.7	.510	24.94	21.62



Maryland and Virginia	5	15	.371			1	1	8	2	1		2						
Massachusetts	36	161	.551					3	12	43	50	39	8	4	2			
Michigan	4	10	.316				2	1	6	1								
Minnesota	4	11	.318					4	7									
Missouri	8	56	.409				1	6	20	20	9							
New Hampshire	7	47	.378	2		2	5	8	12	10	6	1	1					
New Jersey	1	( <sup>1</sup> )	( <sup>1</sup> )								( <sup>1</sup> )	( <sup>1</sup> )						
New York	15	101	.493	1		1	3	6	20	24	21	13	10	1	1			
Ohio	7	65	.360				5	11	29	14	6							
Pennsylvania	8	39	.395					6	17	9	3	2						1
Tennessee	4	18	.292			1	2	5	6	2								
Wisconsin	7	65	.408					8	19	18	10							
<b>Total</b>	<b>121</b>	<b>664</b>	<b>.447</b>	<b>3</b>	<b>2</b>	<b>7</b>	<b>31</b>	<b>70</b>	<b>163</b>	<b>162</b>	<b>125</b>	<b>69</b>	<b>23</b>	<b>5</b>	<b>4</b>			

**FITTING OR STITCHING DEPARTMENT**

<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), male:</b>																			
Illinois	1	( <sup>1</sup> )	( <sup>1</sup> )									( <sup>1</sup> )							
Kentucky	1	( <sup>1</sup> )	( <sup>1</sup> )							( <sup>1</sup> )									
Maine	1	( <sup>1</sup> )	( <sup>1</sup> )								( <sup>1</sup> )								
Maryland and Virginia	2	5	\$0.249			2		1	1	1									
Massachusetts	3	8	.475			1				4	1	2							
Minnesota	1	( <sup>1</sup> )	( <sup>1</sup> )					( <sup>1</sup> )	( <sup>1</sup> )										
Missouri	2	( <sup>1</sup> )	.348				1			1									
New Hampshire	1	( <sup>1</sup> )	( <sup>1</sup> )						( <sup>1</sup> )		( <sup>1</sup> )								
New York	3	24	.711						1	4	3	7	2	4			2	1	
Ohio	1	( <sup>1</sup> )	( <sup>1</sup> )						( <sup>1</sup> )										
Pennsylvania	2	6	.502				1			1	2	2							
Tennessee	1	( <sup>1</sup> )	( <sup>1</sup> )						( <sup>1</sup> )										
Wisconsin	2	2	.352						1	1									
<b>Total</b>	<b>21</b>	<b>58</b>	<b>.537</b>			<b>3</b>	<b>2</b>	<b>3</b>	<b>9</b>	<b>12</b>	<b>8</b>	<b>12</b>	<b>2</b>	<b>4</b>			<b>2</b>	<b>1</b>	
<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), female:</b>																			
Illinois	5	103	.300			1	14	26	23	25	6	7	1						
Kentucky	3	29	.283			2	3	4	5	14	1								
Maine	7	94	.305	3		2	6	18	15	39	8	1	1	1					
Maryland and Virginia	5	61	.217	12		3	17	12	7	8	2								
Massachusetts	42	422	.381	2		5	18	37	65	143	82	42	20	5	2	1			
Michigan	3	10	.219				3	5	2										
Minnesota	3	12	.251				3	3	4	2									
Missouri	8	165	.315			6	10	42	27	39	34	7							
New Hampshire	8	94	.291	5		8	13	12	13	23	13	6	1						
New Jersey	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> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
New York	18	290	.375			1	9	27	52	89	65	35	11	1					

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

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1930, by department, sex, and State—Continued

FITTING OR STITCHING DEPARTMENT—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>Cementers and doublers, hand and machine female—Con.</b>																		
Ohio.....	7	119	\$.330		3	7	13	20	60	25	1							
Pennsylvania.....	7	113	.281	1	2	14	32	21	29	11	2		1					
Tennessee.....	4	27	.229	3	1	5	6	7	4	1								
Wisconsin.....	9	83	.330				1	28	43	6	1	2						
<b>Total.....</b>	<b>130</b>	<b>1,636</b>	<b>.335</b>	<b>26</b>	<b>34</b>	<b>122</b>	<b>238</b>	<b>290</b>	<b>508</b>	<b>258</b>	<b>105</b>	<b>41</b>	<b>10</b>	<b>3</b>	<b>1</b>			
<b>Lining makers (including lining closers, and side and top facing stitchers) female:</b>																		
Illinois.....	8	67	.400			5	11	9	13	7	10	10	2					
Kentucky.....	3	16	.232		3	2	5	2	4									
Maine.....	7	54	.292	2	4	6	9	13	10	10								
Maryland and Virginia.....	5	38	.350		2	5	3	6	10	8	4							
Massachusetts.....	44	366	.461				7	19	77	94	60	31	10	6	2			
Michigan.....	3	8	.298				1	3	3	1								
Minnesota.....	4	10	.347				1	3	4	2								
Missouri.....	8	110	.300		2	9	26	29	27	13	4							
New Hampshire.....	3	60	.318	1	2	6	8	13	16	14								
New Jersey.....	3	18	.501				1	3	2	8	3	1						
New York.....	19	199	.436		3	13	20	49	52	31	14	9	3		2			
Ohio.....	7	63	.396					6	27	25	5							
Pennsylvania.....	8	59	.327			4	11	11	20	11	1							
Tennessee.....	4	18	.289		3	2	2	7	2	2								
Wisconsin.....	9	49	.475					2	10	15	17	5						
<b>Total.....</b>	<b>137</b>	<b>1,075</b>	<b>.395</b>	<b>3</b>	<b>19</b>	<b>42</b>	<b>97</b>	<b>139</b>	<b>280</b>	<b>256</b>	<b>140</b>	<b>64</b>	<b>22</b>	<b>9</b>	<b>2</b>	<b>2</b>		
<b>Top stitchers (including undertrimmers and barber trimmers), male:</b>																		
Illinois.....	1	(1)	(1)							(1)	(1)		(1)	(1)				
Maryland and Virginia.....	3	5	.604							2	1	1		1	(1)		(1)	
Massachusetts.....	17	48	.739				1			5	5	12	9	9	1	6		
New Jersey.....	1	(1)	(1)						(1)									
New York.....	7	28	.866							1	5	5	4	10	6	2	3	2

Pennsylvania.....	2	10	.805							1	4		1	2	2		
Wisconsin.....	1	(?)	(?)							(?)	(?)						
<b>Total.....</b>	<b>32</b>	<b>113</b>	<b>.787</b>			<b>1</b>		<b>1</b>	<b>8</b>	<b>14</b>	<b>25</b>	<b>13</b>	<b>22</b>	<b>13</b>	<b>10</b>	<b>4</b>	<b>2</b>
<b>Top stitchers (including undertrimmers and barber trimmers), (female):</b>																	
Illinois.....	5	94	.391			7	25	4	26	10	6	11	6				
Kentucky.....	3	32	.271			3	3	8	12	8	1						
Maine.....	7	84	.408			3	2	3	5	21	33	15	1	1			
Maryland and Virginia.....	5	40	.351			1	2	5	11	17	6	2	1	1			
Massachusetts.....	43	418	.496				5	20	98	118	86	46	22	13	9	1	
Michigan.....	4	35	.301					9	7	17	1	1					
Minnesota.....	4	20	.343			1	1	3	11	4							
Missouri.....	8	193	.352			5	6	16	36	71	45	12	2				
New Hampshire.....	8	109	.365			1	4	15	18	29	32	8	2				
New Jersey.....	3	9	.544								2	4	3				
New York.....	14	254	.427				14	23	65	78	44	22	4	3		1	
Ohio.....	7	114	.405			2	6	9	40	41	10	5	1	4			
Pennsylvania.....	8	68	.462			2	5	6	19	13	11	1	6	3	1	1	
Tennessee.....	4	42	.288			2	12	9	16	3							
Wisconsin.....	9	130	.458					10	35	33	34	17	1				
<b>Total.....</b>	<b>182</b>	<b>1,648</b>	<b>.419</b>	<b>1</b>	<b>9</b>	<b>31</b>	<b>124</b>	<b>173</b>	<b>472</b>	<b>420</b>	<b>233</b>	<b>111</b>	<b>42</b>	<b>19</b>	<b>10</b>	<b>3</b>	
<b>Vampers, male:</b>																	
Illinois.....	2	10	.764								1	4	1	1		1	
Maine.....	6	20	.605				1		2	2	4	6	2		2	1	
Maryland and Virginia.....	5	11	.497					2	1	2	3	2					
Massachusetts.....	32	209	.606					1	6	24	47	45	61	19	7	8	1
Minnesota.....	1	(?)	(?)					(?)									
Missouri.....	1	(?)	(?)					(?)									
New Hampshire.....	2	11	.340			1	2	2	1	5							
New Jersey.....	2	4	.953										2				
New York.....	8	43	.791						5	5	6	5	3	3	7	4	1
Pennsylvania.....	2	18	.870						1	1	1	1	3	6	2	4	1
Wisconsin.....	3	14	.643						1	1	1	4	7				
<b>Total.....</b>	<b>64</b>	<b>347</b>	<b>.672</b>			<b>1</b>	<b>4</b>	<b>6</b>	<b>22</b>	<b>40</b>	<b>61</b>	<b>67</b>	<b>69</b>	<b>31</b>	<b>16</b>	<b>23</b>	<b>6</b>
<b>Vampers, female:</b>																	
Illinois.....	5	98	.546					9	12	17	18	25	10	0	1		
Kentucky.....	3	15	.397			1			1	7	4	1	1				
Maine.....	5	40	.499				1	2	2	7	13	7	3	1		1	
Maryland and Virginia.....	5	20	.400					2	3	5	6	4					
Massachusetts.....	36	179	.581					2	19	37	51	29	31	6	2	2	
Michigan.....	4	26	.361					2	18	5		1					
Minnesota.....	4	18	.309					3	5	10							
Missouri.....	8	161	.358				11	20	82	29	5	3	2				
New Hampshire.....	8	88	.423			2	6	9	26	26	10	7	2				

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

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1930, by department, sex, and State—Continued

FITTING OR STITCHING DEPARTMENT—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>Vampers, females—Continued.</b>																	
New Jersey.....	3	11	\$0.655							2	2	3	4				
New York.....	17	212	.603		2		8	5	30	63	61	29	8	3		2	
Ohio.....	7	85	.409			1	1	4	37	28	11	3					
Pennsylvania.....	7	74	.383				13	14	22	16	5	4		1			
Tennessee.....	4	34	.309			2	5	9	14	4							
Wisconsin.....	9	103	.517				2	9	14	17	26	25	10				
<b>Total.....</b>	<b>125</b>	<b>1,164</b>	<b>.465</b>		<b>3</b>	<b>6</b>	<b>50</b>	<b>101</b>	<b>298</b>	<b>276</b>	<b>201</b>	<b>133</b>	<b>70</b>	<b>17</b>	<b>3</b>	<b>5</b>	

LASTING DEPARTMENT

<b>Assemblers, for pulling-over machine, male:</b>																
Illinois.....	5	54	\$0.603					4	8	10	6	8	4	4	6	4
Kentucky.....	3	11	.409					1	1	4	3	1	1			
Maine.....	7	20	.578				1		2	3	3	6	4	1		
Maryland and Virginia.....	6	25	.413		1	1	2	5	2	10	4					
Massachusetts.....	30	180	.645	1			3	9	11	21	31	29	25	26	11	13
Michigan.....	3	10	.475						1	5	2	2				
Minnesota.....	4	6	.550						1	1	4	1				
Missouri.....	8	95	.500				1	7	10	32	14	9	2	8	4	2
New Hampshire.....	6	19	.553						1	5	7	3	2	1		
New Jersey.....	2	12	.560						1	4	4	1	1		1	
New York.....	15	72	.622						6	10	13	18	14	8	2	1
Ohio.....	7	47	.540					2	5	14	11	11	3		1	
Pennsylvania.....	7	20	.471						3	15	3	1	4			
Tennessee.....	4	14	.405				2		4	6	2					
Wisconsin.....	9	33	.527						1	10	17	3	1	1		
<b>Total.....</b>	<b>125</b>	<b>624</b>	<b>.568</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>28</b>	<b>62</b>	<b>150</b>	<b>124</b>	<b>93</b>	<b>61</b>	<b>40</b>	<b>25</b>	<b>20</b>

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Assemblers for pulling-over machine, female:																		
Massachusetts	3	3	.634						1			1						
New Hampshire	4	12	.365					3	6	2	1							
New York	2	17	.476					1	4	5	3	4						
Total	9	32	.452					4	11	7	4	5		1				
Bed-machine operators, male:																		
Illinois	5	127	.661					1	15	25	20	14	16	18	10	8		
Kentucky	3	17	.546						3	3	5	4	2					
Maine	7	62	.628						4	8	19	12	15	3		2		
Maryland and Virginia	6	45	.554						5	13	16	10	1					
Massachusetts	40	397	.723		1			1	11	30	59	90	75	42	37	33	9	
Michigan	4	21	.518						2	9	2	8						
Minnesota	4	16	.591						1	2	5	5	3					
Missouri	8	202	.638						2	24	64	47	43	12	8		2	
New Hampshire	8	90	.540					2	19	12	27	18	9			1		
New Jersey	2	9	.988										1	5			3	
New York	16	234	.649					1	8	26	52	63	46	24	8	5	1	
Ohio	7	87	.672							14	19	25	13	6	8	2		
Pennsylvania	8	54	.657						2	12	26	19	3	1				
Tennessee	4	29	.559						6	10	3	3	2	5				
Wisconsin	8	87	.725							2	6	23	48	4	3	1		
Total	130	1,478	.657		1			5	78	190	323	341	277	122	74	54	13	
Turn lasters, hand (including first and second lasters), male:																		
Illinois	1	( <sup>1</sup> )	( <sup>1</sup> )										( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )			
Maine	1	( <sup>1</sup> )	( <sup>1</sup> )					( <sup>1</sup> )	( <sup>1</sup> )									
Maryland and Virginia	1	( <sup>1</sup> )	( <sup>1</sup> )									( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )		
Massachusetts	6	236	.747					2	6	12	28	29	63	65	26	15		
New Jersey	1	( <sup>1</sup> )	( <sup>1</sup> )										( <sup>1</sup> )					
New York	9	391	.813						7	20	45	54	81	59	57	45	18	5
Ohio	1	( <sup>1</sup> )	( <sup>1</sup> )					( <sup>1</sup> )		( <sup>1</sup> )	( <sup>1</sup> )							
Pennsylvania	3	106	.764							11	13	14	18	22	17	11		
Wisconsin	1	( <sup>1</sup> )	( <sup>1</sup> )							( <sup>1</sup> )		( <sup>1</sup> )						
Total	24	789	.780					6	16	48	94	106	163	150	103	79	19	6

**BOTTOMING DEPARTMENT**

Goodyear stitchers, male:																		
Illinois	2	33	\$0.997									2	3	4	12	10	1	1
Kentucky	2	12	.567						1	1	4	6						
Maine	5	18	.674								3	6			1			
Maryland and Virginia	5	22	.649						1	5	3	7	5			1		
Massachusetts	22	125	.767						1	3	10	34	24	28	19	5	1	
Michigan	4	13	.629							2	3	5	2	1				

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

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1930, by department, sex, and State—Continued

BOTTOMING DEPARTMENT—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>Goodyear stitchers, male—Continued.</b>																			
Minnesota.....	4	9	\$.605								6		8						
Missouri.....	5	50	.654						1	8	13	7	9	9	8				
New Hampshire.....	6	44	.664						4	4	7	13	9	6	1				
New Jersey.....	3	6	.912						4		1	1				1	1		
New York.....	16	115	.755						1	6	17	22	25	19	9	14	1	1	1
Ohio.....	6	35	.751							3	7	4	5	6	7	3			
Pennsylvania.....	8	33	.692							3	3	17	4	2	2	1	1		
Tennessee.....	4	20	.538						1	8	5	5	1						
Wisconsin.....	5	46	.739								8	12	21	6	4				
<b>Total.....</b>	<b>100</b>	<b>576</b>	<b>.727</b>						<b>10</b>	<b>43</b>	<b>85</b>	<b>141</b>	<b>113</b>	<b>81</b>	<b>60</b>	<b>26</b>	<b>5</b>	<b>2</b>	
<b>Edge trimmers, male:</b>																			
Illinois.....	5	56	.749						3	2	15	6	5	12	8	3	2		
Kentucky.....	3	14	.692							1	1	3	6	3					
Maine.....	7	40	.575					1	7	11	4	7	4	5	1				
Maryland and Virginia.....	6	34	.695						1	12	9	9	2	1					
Massachusetts.....	46	252	.821						6	11	17	33	37	60	44	35	8	1	
Michigan.....	4	16	.658							8	2	4	5	1	1				
Minnesota.....	4	9	.653							1	1	2	2						
Missouri.....	8	96	.611					1	6	19	33	12	14	3		8			
New Hampshire.....	8	58	.642					2	5	12	10	12	9	1	4	8			
New Jersey.....	3	9	.807								2	3	1				2		
New York.....	18	151	.782						1	4	17	24	36	35	21	11	1	1	1
Ohio.....	7	58	.718							2	8	16	18	7	2	4	1		
Pennsylvania.....	8	41	.595					1	1	7	12	11	5	3		1			
Tennessee.....	4	14	.583							8	7	1	8						
Wisconsin.....	9	47	.743						1	1	2	8	24	8	3				
<b>Total.....</b>	<b>140</b>	<b>895</b>	<b>.722</b>					<b>5</b>	<b>31</b>	<b>89</b>	<b>140</b>	<b>164</b>	<b>171</b>	<b>139</b>	<b>85</b>	<b>65</b>	<b>14</b>	<b>2</b>	



**FINISHING DEPARTMENT**

<b>Edge setters, male:</b>																		
Illinois	5	60	\$0.719						8	9	4	15	10	11	2	8		
Kentucky	3	12	.631				1		1	5	2	1		1				
Maine	7	32	.605						2	4	10	12	1		2		1	
Maryland and Virginia	6	24	.613						4	4	11	1	2		1	1		
Massachusetts	45	237	.782						4	17	19	53	41	39	23	29	10	2
Michigan	4	8	.670								1	4	2	1				
Minnesota	4	5	.627						1		3	3		1				
Missouri	8	54	.688						1	2	17	7	8	19				
New Hampshire	8	34	.618						3	7	8	6	8	1	2	2		1
New Jersey	3	6	1.015								1							
New York	19	157	.728						2	16	30	33	26	15	12	18	5	
Ohio	7	59	.659						2	5	19	12	3	13	4	1		
Pennsylvania	8	44	.588						2	6	20	8	6	2	4			
Tennessee	4	15	.496				1		3	5	6	6						
Wisconsin	9	47	.710							3	2	12	27	2	1			
<b>Total</b>	<b>140</b>	<b>794</b>	<b>.706</b>				<b>2</b>	<b>28</b>	<b>83</b>	<b>144</b>	<b>171</b>	<b>134</b>	<b>105</b>	<b>49</b>	<b>59</b>	<b>16</b>	<b>3</b>	
<b>Trimmers, hand and machine, male:</b>																		
Illinois	3	48	.424			2	8	6	14	6	2	5	2	2	1			
Kentucky	3	11	.470					3	3		2		2	1				
Maine	7	74	.468				4	9	12	26	10	5	3	5	1	1		
Maryland and Virginia	6	41	.457					5	6	18	7	4	1					
Massachusetts	46	608	.632				1	1	17	92	117	130	82	49	9	10		
Michigan	4	14	.504						1	3	4	4	2					
Minnesota	4	10	.426						5	2	3							
Missouri	6	112	.516						4	55	29	17	6					
New Hampshire	7	59	.424			1	3	8	32	22	17	6						
New Jersey	2	9	.893								1		1	3	8			
New York	14	167	.636						7	31	35	36	38	11	6	8		
Ohio	4	25	.441				2	3	7	5	4	3		1				
Pennsylvania	8	45	.476				1	5	10	7	14	6	2					
Tennessee	4	15	.398					3	6	5	1							
Wisconsin	7	42	.604						2	6	11	19	1	3				
<b>Total</b>	<b>125</b>	<b>1,210</b>	<b>.563</b>			<b>1</b>	<b>2</b>	<b>19</b>	<b>42</b>	<b>126</b>	<b>279</b>	<b>257</b>	<b>235</b>	<b>140</b>	<b>71</b>	<b>20</b>	<b>17</b>	
<b>Trimmers, hand and machine, female:</b>																		
Illinois	3	62	.419					5	26	21	6	3	1					
Kentucky	1	( <sup>1</sup> )	( <sup>1</sup> )						( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )							
Maine	1	( <sup>1</sup> )	( <sup>1</sup> )							( <sup>1</sup> )								
Maryland and Virginia	1	( <sup>1</sup> )	( <sup>1</sup> )				( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )									
Massachusetts	5	11	.347				1	1	4	3	1							
Michigan	1	( <sup>1</sup> )	( <sup>1</sup> )				1	1			( <sup>1</sup> )							
Minnesota	3	5	.375						4	1								
Missouri	6	40	.335				7	11	12	8	1		1					
New Hampshire	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> Data included in total.

TABLE B.—Average and classified earnings per hour in 14 specified occupations, 1930, by department, sex, and State—Continued

FINISHING DEPARTMENT—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>Triers, hand and machine, female—Continued.</b>																	
New York.....	7	58	\$0.382				1	14	24	13	4		2				
Ohio.....	4	32	.411				1	1	15	12	1	2					
Pennsylvania.....	2	2	.367					1		1							
Tennessee.....	2	12	.280				2	6	4								
Wisconsin.....	5	35	.393				1	4	13	13	3	1					
<b>Total.....</b>	<b>42</b>	<b>280</b>	<b>.380</b>			<b>2</b>	<b>15</b>	<b>48</b>	<b>108</b>	<b>78</b>	<b>19</b>	<b>6</b>	<b>4</b>				
<b>Repairers (not cobblers) (including tip fixers and scourers), male:</b>																	
Illinois.....	4	6	.389				1	2	1	1		1					
Maine.....	4	8	.470					2	1	1	2	2					
Maryland and Virginia.....	1	(1)	(1)							(1)	(1)						
Massachusetts.....	12	24	.556						1	4	10	8	1				
Michigan.....	1	(1)	(1)							(1)	(1)	(1)					
Missouri.....	2	6	.514							6			1				
New Hampshire.....	1	(1)	(1)						(1)								
New Jersey.....	2	5	.743								1		3		1		
New York.....	10	58	.729							12	13	1	10	6	9	7	
Ohio.....	4	9	.561						1		5	2		1			
Pennsylvania.....	4	10	.500						1	4	1	4					
Tennessee.....	3	4	.304				2		1	1							
Wisconsin.....	2	5	.669									5					
<b>Total.....</b>	<b>50</b>	<b>142</b>	<b>.606</b>				<b>3</b>	<b>4</b>	<b>7</b>	<b>31</b>	<b>34</b>	<b>24</b>	<b>15</b>	<b>7</b>	<b>10</b>	<b>7</b>	
<b>Repairers (not cobblers) (including tip fixers and scourers), female:</b>																	
Illinois.....	5	32	.311		1	6	19	21	21	12	2						
Kentucky.....	3	16	.284		2		1		2	9	1	1					
Maine.....	7	63	.358			3	9	8	28	7	6	1		1			
Maryland and Virginia.....	5	29	.287			1	4	10	13	1							
Massachusetts.....	42	222	.495				1	4	26	78	99	8	6	1	1		
Michigan.....	3	11	.360					4	3	3	1						
Minnesota.....	4	9	.291			1	2	2	2	2							

Missouri.....	8	117	.300		4	20	32	52	9								
New Hampshire.....	8	86	.358		2	5	12	45	18	4							
New Jersey.....	2	10	.258			7	1			1							
New York.....	16	105	.402		1	11	13	34	21	14	7	4					
Ohio.....	6	41	.379			4	5	19	8	2	2						
Pennsylvania.....	5	28	.382			3	2	12	8	2		1					
Tennessee.....	2	10	.297			2	1	6	1								
Wisconsin.....	7	84	.388			2	4	14	10		2	2					
<b>Total.....</b>	<b>123</b>	<b>663</b>	<b>.383</b>		<b>8</b>	<b>19</b>	<b>90</b>	<b>119</b>	<b>277</b>	<b>185</b>	<b>133</b>	<b>21</b>	<b>13</b>	<b>2</b>	<b>1</b>		

<sup>4</sup> Data included in total.

WAGES AND HOURS OF LABOR

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1930, by department, sex, and State

CUTTING DEPARTMENT

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—																	
				44	Over 44 and under 45	45	Over 45 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	55	60							
<b>Cutters, vamp and whole shoe, hand, male:</b>																					
Illinois.....	3	109	48.3					92		17											
Kentucky.....	3	34	51.0						27			8									4
Maine.....	7	129	52.8							39		88		2							
Maryland and Virginia.....	5	63	48.8					37	14	7	5										
Massachusetts.....	45	820	48.3		21	24	613	14	141	7											
Michigan.....	2	11	50.0							11											
Minnesota.....	3	9	49.2					3	3	3											
Missouri.....	4	157	48.0					111		46											
New Hampshire.....	7	88	49.4					56		6		28									
New Jersey.....	3	21	45.6	17																	
New York.....	19	444	47.6	104		5	193	29	113												
Ohio.....	7	124	49.6			8		29	87												
Pennsylvania.....	8	103	50.1				63					11	19	10							
Tennessee.....	3	18	54.2							3											15
Wisconsin.....	8	96	48.6				17	56		17											6
<b>Total.....</b>	<b>127</b>	<b>2,226</b>	<b>48.7</b>	<b>121</b>		<b>29</b>	<b>46</b>	<b>1,224</b>	<b>116</b>	<b>490</b>		<b>56</b>	<b>107</b>	<b>33</b>							<b>4</b>
<b>Skivers, upper, male:</b>																					
Maine.....	3	4	52.0							2			2								
Maryland and Virginia.....	3	5	49.5					2				3									
Massachusetts.....	16	51	48.0					50		1											
Michigan.....	1	(1)	(1)							(1)											
New Hampshire.....	2	2	50.3					1				1									
New York.....	6	20	44.6	17				3													
Pennsylvania.....	2	3	53.0					1						2							
Tennessee.....	1	(1)	(1)											(1)							1
Wisconsin.....	2	11	50.5							10											
<b>Total.....</b>	<b>38</b>	<b>104</b>	<b>48.3</b>	<b>17</b>				<b>57</b>		<b>18</b>		<b>4</b>	<b>4</b>	<b>4</b>							<b>4</b>
<b>Skivers, upper, female:</b>																					
Illinois.....	5	45	48.5					34		11											
Kentucky.....	3	15	51.8						7			7									1
Maine.....	7	22	52.2							10				12							
Maryland and Virginia.....	5	15	48.8					9	2	1	3										
Massachusetts.....	36	161	47.9		1	3	4	153													
Michigan.....	4	10	49.5				2			8											
Minnesota.....	4	11	49.9					4	2	2	3										
Missouri.....	8	56	49.4					16		40											
New Hampshire.....	7	47	48.7					33		12		2									
New Jersey.....	1	(1)	(1)	(1)																	
New York.....	15	101	48.3	11			5	46	2	37											
Ohio.....	7	65	48.0			26			5	34											
Pennsylvania.....	8	39	50.2					14		15	2	8									
Tennessee.....	4	18	51.7							12											6
Wisconsin.....	7	55	48.9				4	23		28											
<b>Total.....</b>	<b>121</b>	<b>664</b>	<b>48.8</b>	<b>15</b>	<b>1</b>	<b>29</b>	<b>15</b>	<b>332</b>	<b>18</b>	<b>210</b>		<b>17</b>	<b>20</b>	<b>6</b>							<b>1</b>

FITTING OR STITCHING DEPARTMENT

<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), male:</b>																					
Illinois.....	1	(1)	(1)					(1)													
Kentucky.....	1	(1)	(1)									(1)									
Maine.....	1	(1)	(1)									(1)									
Maryland and Virginia.....	2	5	50.5									5									
Massachusetts.....	3	8	49.5					2		6											
Minnesota.....	1	(1)	(1)					(1)													
Missouri.....	2	2	50.0							2											
New Hampshire.....	1	(1)	(1)					(1)													

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

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1930, by department, sex, and State—Continued

FITTING OR STITCHING DEPARTMENT—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—										
				44 and under 45	45	Over 45 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	55	60	
<b>Cementers and doublers, hand and machine, male—Continued.</b>														
New York.....	3	24	45.0	18				6						
Ohio.....	1	(?)	(?)						(?)					
Pennsylvania.....	2	6	49.0					5				1		
Tennessee.....	1	(?)	(?)										(?)	
Wisconsin.....	2	2	50.0						2					
<b>Total.....</b>	<b>21</b>	<b>58</b>	<b>47.7</b>	<b>18</b>				<b>20</b>	<b>12</b>	<b>6</b>	<b>1</b>	<b>1</b>		
<b>Cementers and doublers, hand and machine (including reinforcers, pasters, and fitters), female:</b>														
Illinois.....	5	103	49.5					27	76					
Kentucky.....	3	29	51.7						15		12			2
Maine.....	7	94	53.0						23			71		
Maryland and Virginia.....	5	61	48.9					38	4	3	17			
Massachusetts.....	42	422	47.9	3	2	7	410							
Michigan.....	2	10	49.5						8					
Minnesota.....	3	12	49.3			2	3	5	4					
Missouri.....	8	165	48.9					37	78					
New Hampshire.....	8	94	49.3					60	12	23				
New Jersey.....	1	(?)	(?)	(?)										
New York.....	18	290	48.3	31		16	121	6	116					
Ohio.....	7	119	48.2		42			10	67					
Pennsylvania.....	7	113	49.8				56		27		9	21		
Tennessee.....	4	27	52.0						16					11
Wisconsin.....	9	83	48.9			6	38		39					
<b>Total.....</b>	<b>180</b>	<b>1,636</b>	<b>48.9</b>	<b>45</b>	<b>3</b>	<b>44</b>	<b>31</b>	<b>840</b>	<b>40</b>	<b>408</b>	<b>60</b>	<b>92</b>	<b>11</b>	<b>3</b>
<b>Lining makers (including lining closers and side and top facing stitchers), female:</b>														
Illinois.....	5	67	49.1					30	37					
Kentucky.....	3	16	53.0						6		7			3
Maine.....	7	54	53.2						11			43		
Maryland and Virginia.....	5	38	49.2					18	4	3	14			
Massachusetts.....	44	306	47.9	1	6	8	291							
Michigan.....	3	8	50.0						8					
Minnesota.....	4	10	49.4				5	2	1		2			
Missouri.....	8	110	49.4				33		77					
New Hampshire.....	8	60	49.1				40		10	10				
New Jersey.....	3	18	45.9	14							4			
New York.....	19	199	48.0	26		9	102	3	60		4			
Ohio.....	7	63	47.5		32				2	29				
Pennsylvania.....	8	59	49.9				31		9	7	12			
Tennessee.....	4	18	51.7						12					6
Wisconsin.....	9	49	48.9			6	18		25					
<b>Total.....</b>	<b>137</b>	<b>1,075</b>	<b>48.6</b>	<b>40</b>	<b>1</b>	<b>38</b>	<b>23</b>	<b>508</b>	<b>17</b>	<b>220</b>	<b>44</b>	<b>55</b>	<b>6</b>	<b>3</b>
<b>Top stitchers (including undertrimmers and barber trimmers), male:</b>														
Illinois.....	1	(?)	(?)					(?)						
Maryland and Virginia.....	3	5	50.3						1		4			
Massachusetts.....	17	48	49.0				6	16	3	21	2			
New Jersey.....	1	(?)	(?)	(?)										
New York.....	7	38	44.3	35				3						
Pennsylvania.....	2	10	48.0					10						
Wisconsin.....	1	(?)	(?)					(?)						
<b>Total.....</b>	<b>32</b>	<b>113</b>	<b>47.2</b>	<b>36</b>			<b>6</b>	<b>40</b>	<b>4</b>	<b>21</b>	<b>6</b>			

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

## WAGES AND HOURS OF LABOR

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1930, by department, sex, and State—Continued

## FITTING OR STITCHING DEPARTMENT—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—														
				44 and under 45	45	Over 45 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	55	60					
<b>Top stitchers (including undertrimmers and barber trimmers), female:</b>																		
Illinois.....	5	94	49.5				24		70									
Kentucky.....	3	32	52.0					13		17								2
Maine.....	7	84	53.3						15		69							
Maryland and Virginia.....	5	46	48.3				34	3		5								
Massachusetts.....	43	418	47.9		9	11	308											
Michigan.....	4	35	49.6						29									
Minnesota.....	4	20	49.2			6		9	2	8	1							
Missouri.....	8	193	49.4					58		135								
New Hampshire.....	3	109	49.3					66		21	22							
New Jersey.....	3	9	44.9	8							1							
New York.....	14	254	48.8	1		13	119	8	113									
Ohio.....	7	114	47.7		52			13	49									
Pennsylvania.....	6	68	50.3				30		12		17							
Tennessee.....	4	42	51.1						33									9
Wisconsin.....	9	130	49.0			14	47		69									
<b>Total.....</b>	<b>132</b>	<b>1,648</b>	<b>49.1</b>	<b>9</b>	<b>61</b>	<b>44</b>	<b>785</b>	<b>39</b>	<b>558</b>	<b>55</b>	<b>86</b>	<b>9</b>	<b>2</b>					
<b>Vampers, male:</b>																		
Illinois.....	2	10	48.0				10											
Maine.....	6	20	51.8						11		9							
Maryland and Virginia.....	5	11	48.7				4	1	1	6								
Massachusetts.....	32	209	48.2			3	184	5	16	1								
Minnesota.....	1	(1)	(1)						(1)									
Missouri.....	1	(1)	(1)						(1)									
New Hampshire.....	2	11	49.0					11										
New Jersey.....	2	4	44.0	4														
New York.....	6	43	46.4	17			26											
Pennsylvania.....	2	18	48.0				18											
Wisconsin.....	3	14	49.4				9		3									2
<b>Total.....</b>	<b>64</b>	<b>347</b>	<b>48.2</b>	<b>21</b>		<b>3</b>	<b>262</b>	<b>6</b>	<b>38</b>	<b>6</b>	<b>9</b>	<b>2</b>						
<b>Vampers, female:</b>																		
Illinois.....	5	98	48.7				65		33									
Kentucky.....	3	15	52.8					3		11								1
Maine.....	5	40	52.1						19		21							
Maryland and Virginia.....	5	20	49.0				11	2	2	5								
Massachusetts.....	38	179	47.9		2	3	174											
Michigan.....	4	26	49.6						22									
Minnesota.....	4	18	50.0			4		6	2	5	5							
Missouri.....	8	161	49.7					27		134								
New Hampshire.....	8	88	48.7					65		17	6							
New Jersey.....	3	11	46.3	8							3							
New York.....	17	212	48.6	3		9	125	3	72									
Ohio.....	7	85	47.3			46		8	31									
Pennsylvania.....	7	74	51.0				11		35		6	22						
Tennessee.....	4	34	51.8						22									12
Wisconsin.....	9	103	49.2			6	31		66									
<b>Total.....</b>	<b>125</b>	<b>1,164</b>	<b>49.1</b>	<b>11</b>	<b>48</b>	<b>22</b>	<b>515</b>	<b>18</b>	<b>458</b>	<b>36</b>	<b>43</b>	<b>12</b>	<b>1</b>					

## LASTING DEPARTMENT

<b>Assemblers, for pulling-over machine, male:</b>																		
Illinois.....	5	54	48.9				31		23									
Kentucky.....	3	11	52.7					3		7								1
Maine.....	7	20	52.9						6		13	1						
Maryland and Virginia.....	6	25	48.7				17	1	1	6								
Massachusetts.....	39	180	48.3		1	3	149	2	24	1								
Michigan.....	3	10	49.0			4			6									
Minnesota.....	4	6	50.1				2	1	1	2								
Missouri.....	3	95	49.5					23		72								

: Data included in total.

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1930, by department, sex, and State—Continued

LASTING DEPARTMENT—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—										
				44	Over 44 and under 45	45	Over 45 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	55	60
<b>Assemblers, for pulling-over machine, male—Contd.</b>														
New Hampshire.....	6	19	49.1					12		4	3			
New Jersey.....	2	12	44.0	12										
New York.....	15	72	47.4	7			2	42	4	17				
Ohio.....	7	47	48.0			19			4	24				
Pennsylvania.....	7	26	51.8					9			2	13	2	
Tennessee.....	4	14	51.1							11			3	
Wisconsin.....	9	33	49.5				1	14		15			3	
<b>Total.....</b>	<b>125</b>	<b>624</b>	<b>49.0</b>	<b>19</b>		<b>20</b>	<b>10</b>	<b>299</b>	<b>15</b>	<b>204</b>	<b>21</b>	<b>26</b>	<b>9</b>	<b>1</b>
<b>Assemblers, for pulling-over machine, female:</b>														
Massachusetts.....	3	3	48.0					3						
New Hampshire.....	4	12	48.9					9		1	2			
New York.....	2	17	50.0							17				
<b>Total.....</b>	<b>9</b>	<b>32</b>	<b>49.4</b>					<b>12</b>		<b>18</b>	<b>2</b>			
<b>Bed-machine operators, male:</b>														
Illinois.....	5	127	49.0					63		64				
Kentucky.....	3	17	52.6						6		9			2
Maine.....	7	63	52.7							21		40	2	
Maryland and Virginia.....	6	46	48.7					32	1	2	10			
Massachusetts.....	40	397	48.2			3	8	340	7	37	2			
Michigan.....	4	21	49.8				2			19				
Minnesota.....	4	16	50.4					5	1	3	7			
Missouri.....	8	202	49.6					43		159				
New Hampshire.....	8	90	49.1					62		11	17			
New Jersey.....	2	9	44.0	9										
New York.....	16	234	48.4					118	10	85				
Ohio.....	7	87	47.7			39			9	39				
Pennsylvania.....	6	54	53.1					7			5	40	4	
Tennessee.....	4	29	51.7							19			10	4
Wisconsin.....	8	87	49.8				3	37		43				
<b>Total.....</b>	<b>130</b>	<b>1,478</b>	<b>49.1</b>	<b>30</b>		<b>42</b>	<b>13</b>	<b>707</b>	<b>34</b>	<b>502</b>	<b>48</b>	<b>80</b>	<b>20</b>	<b>2</b>
<b>Turn lasters, hand (including first and second lasters), male:</b>														
Illinois.....	1	(1)	(1)					(1)						
Maine.....	1	(1)	(1)									(1)		
Maryland and Virginia.....	1	(1)	(1)						(1)					
Massachusetts.....	6	236	47.9			11		220		5				
New Jersey.....	1	(1)	(1)								(1)			
New York.....	9	391	44.9	315			4	42	30					
Ohio.....	1	(1)	(1)							(1)				
Pennsylvania.....	3	106	48.0					106						
Wisconsin.....	1	(1)	(1)				(1)							
<b>Total.....</b>	<b>24</b>	<b>789</b>	<b>46.5</b>	<b>315</b>		<b>11</b>	<b>12</b>	<b>377</b>	<b>46</b>	<b>20</b>	<b>2</b>	<b>6</b>		

BOTTOMING DEPARTMENT

<b>Goodyear stitchers, male:</b>														
Illinois.....	2	33	48.0					33						
Kentucky.....	3	12	53.6								11			1
Maine.....	5	13	51.4							9		2	2	
Maryland and Virginia.....	5	23	48.7					16	2	1	4			
Massachusetts.....	22	125	48.0			1		120		4				
Michigan.....	4	13	49.2				4			9				
Minnesota.....	4	9	50.1					3	1	2	3			
Missouri.....	5	50	49.7					7		43				

1 Data included in total.

## WAGES AND HOURS OF LABOR

TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1930, by department, sex, and State—Continued

## BOTTOMING DEPARTMENT—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—										
				44	Over 44 and under 45	45	Over 45 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	55	60
<b>Goodyear stitchers, male—Continued.</b>														
New Hampshire.....	6	44	48.4					36		8				
New Jersey.....	3	6	46.8	4							2			
New York.....	16	115	48.6	7			1	57		50				
Ohio.....	6	35	47.7			16			3	18				
Pennsylvania.....	8	33	52.5					7			3	22	1	
Tennessee.....	4	20	51.3							15			5	
Wisconsin.....	8	46	49.6				4	13		25				4
<b>Total.....</b>	<b>100</b>	<b>576</b>	<b>49.1</b>	<b>11</b>		<b>17</b>	<b>9</b>	<b>291</b>	<b>6</b>	<b>182</b>	<b>28</b>	<b>24</b>	<b>12</b>	
<b>Edge trimmers, male:</b>														
Illinois.....	5	56	48.8					33		23				
Kentucky.....	3	14	52.2						5		8			
Maine.....	7	40	52.8							13		25	2	
Maryland and Virginia.....	6	34	48.8					22	1	2		9		
Massachusetts.....	46	252	48.2			5	6	200	5	34	2			
Michigan.....	4	16	49.4				4			12				
Minnesota.....	4	9	49.6					4	2	1	2			
Missouri.....	8	96	49.6					21		75				
New Hampshire.....	8	58	49.1					39		9	10			
New Jersey.....	3	9	47.8	5							4			
New York.....	18	151	48.4	8			1	87	6	49				
Ohio.....	7	58	47.7			26			6	26				
Pennsylvania.....	8	41	52.3					11			2	25	3	
Tennessee.....	4	14	51.4							10			4	
Wisconsin.....	9	47	49.4				4	20		18				5
<b>Total.....</b>	<b>140</b>	<b>895</b>	<b>49.1</b>	<b>13</b>		<b>31</b>	<b>15</b>	<b>437</b>	<b>25</b>	<b>272</b>	<b>37</b>	<b>50</b>	<b>14</b>	

## FINISHING DEPARTMENT

<b>Edge setters, male:</b>														
Illinois.....	5	60	48.7					38		22				
Kentucky.....	3	12	52.4						4		7			
Maine.....	7	32	52.7							11		19	2	
Maryland and Virginia.....	6	24	48.8					15	2	2	5			
Massachusetts.....	45	237	48.2			5	4	102	4	30	2			
Michigan.....	4	8	49.4							6				
Minnesota.....	4	5	49.6					2	1	1	1			
Missouri.....	8	54	49.2					21		33				
New Hampshire.....	8	34	49.1					22		7	5			
New Jersey.....	3	6	45.4	5							1			
New York.....	19	157	48.2	20				3	68	12	54			
Ohio.....	7	59	48.3				20		6	33				
Pennsylvania.....	8	44	52.0					14			2	27	1	
Tennessee.....	4	15	51.7							10			5	
Wisconsin.....	9	47	50.0				3	16		24				4
<b>Total.....</b>	<b>140</b>	<b>794</b>	<b>49.0</b>	<b>25</b>		<b>25</b>	<b>12</b>	<b>388</b>	<b>29</b>	<b>233</b>	<b>23</b>	<b>46</b>	<b>12</b>	<b>1</b>
<b>Trees, hand and machine, male:</b>														
Illinois.....	3	48	49.4					15		38				
Kentucky.....	3	11	53.3						3		6			
Maine.....	7	74	53.3							14		57	3	
Maryland and Virginia.....	6	41	48.8					26	4	2	9			
Massachusetts.....	46	508	48.3			2	17	401	13	71	4			
Michigan.....	4	14	49.6							12				
Minnesota.....	4	10	50.1				2			3	3			
Missouri.....	6	112	49.6					35	1	87				
New Hampshire.....	7	89	49.3					52		18	19			
New Jersey.....	2	9	44.0	9										
New York.....	14	167	47.6	34				72	3	58				
Ohio.....	4	25	50.0						5	20				



TABLE C.—Average and classified full-time hours per week in 14 specified occupations, 1930, by department, sex, and State—Continued

FINISHING DEPARTMENT—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—										
				44	Over 44 and under 45	45	Over 45 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	55	60
<b>Triers, hand and machine, male—Continued.</b>														
Pennsylvania	3	45	52.2					14				1	23	7
Tennessee	4	15	52.3							5				7
Wisconsin	7	42	49.6					18		20				4
<b>Total</b>	<b>125</b>	<b>1,210</b>	<b>49.1</b>	<b>43</b>	<b>2</b>	<b>19</b>	<b>626</b>	<b>29</b>	<b>346</b>	<b>42</b>	<b>80</b>	<b>21</b>	<b>2</b>	
<b>Triers, hand and machine, female:</b>														
Illinois	3	62	48.8					36		20				
Kentucky	1	( <sup>1</sup> )	( <sup>1</sup> )								( <sup>1</sup> )			
Maine	1	( <sup>1</sup> )	( <sup>1</sup> )							( <sup>1</sup> )				
Maryland and Virginia	1	( <sup>1</sup> )	( <sup>1</sup> )								( <sup>1</sup> )			
Massachusetts	5	11	47.9			1	10							
Michigan	1	( <sup>1</sup> )	( <sup>1</sup> )							( <sup>1</sup> )				
Minnesota	3	5	49.5					2	2		1			
Missouri	6	40	48.7					26		14				
New Hampshire	1	( <sup>1</sup> )	( <sup>1</sup> )					( <sup>1</sup> )						
New York	7	58	48.3	1		17	17			23				
Ohio	4	32	45.6			28			4					
Pennsylvania	2	2	51.0					1					1	
Tennessee	2	12	50.0							12				
Wisconsin	5	35	49.3			7	1			27				
<b>Total</b>	<b>42</b>	<b>280</b>	<b>48.6</b>	<b>1</b>	<b>28</b>	<b>25</b>	<b>101</b>	<b>6</b>	<b>104</b>	<b>14</b>	<b>1</b>			
<b>Repairers (not cobblers) (including tip fixers and scourers), male:</b>														
Illinois	4	6	49.7					1		5				
Maine	4	8	52.5							3			5	
Maryland and Virginia	1	( <sup>1</sup> )	( <sup>1</sup> )							( <sup>1</sup> )				
Massachusetts	12	24	48.0					23	1					
Michigan	1	( <sup>1</sup> )	( <sup>1</sup> )							( <sup>1</sup> )				
Missouri	2	6	49.7							5				
New Hampshire	1	( <sup>1</sup> )	( <sup>1</sup> )					( <sup>1</sup> )						
New Jersey	2	5	44.0											
New York	10	58	48.3	5				( <sup>1</sup> )						
Ohio	4	9	47.2			5				4				
Pennsylvania	4	10	51.3					5					2	3
Tennessee	3	4	53.3							1				3
Wisconsin	2	5	48.4					4		1				
<b>Total</b>	<b>50</b>	<b>142</b>	<b>48.2</b>	<b>20</b>	<b>5</b>		<b>56</b>	<b>6</b>	<b>33</b>			<b>7</b>	<b>6</b>	
<b>Repairers (not cobblers) (including tip fixers and scourers), female:</b>														
Illinois	5	82	49.4					26		56				
Kentucky	3	16	52.3						5			9		2
Maine	7	63	53.4							9			54	
Maryland and Virginia	5	29	48.5					23		8		3		
Massachusetts	42	222	47.9		1		11	210						
Michigan	3	11	49.5				2			9				
Minnesota	4	9	49.5					3	1	3		2		
Missouri	8	117	49.1					53		64				
New Hampshire	3	95	49.2					58		8		20		
New Jersey	2	10	51.7									9		
New York	16	105	48.2				14	41	2	39				
Ohio	6	41	48.9			9			6	26				
Pennsylvania	5	28	49.1					30		4			4	
Tennessee	2	10	50.0							10				
Wisconsin	7	34	48.5				4	2		28				
<b>Total</b>	<b>123</b>	<b>863</b>	<b>49.2</b>	<b>10</b>	<b>1</b>	<b>9</b>	<b>31</b>	<b>436</b>	<b>14</b>	<b>259</b>	<b>43</b>	<b>58</b>		<b>2</b>

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

# 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 bulletin 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.

## Conciliation 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. 283. History of the Shipbuilding Labor Adjustment Board, 1917 to 1919.
- No. 287. National War Labor Board: History of its formation, activities, etc. [1921.]
- \*No. 308. 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 (credit unions) in America and in foreign countries. [1922.]
- No. 437. Cooperative movement in the United States in 1925 (other than agricultural).
- No. 531. Consumers', credit, and productive cooperative societies, 1929.

## 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 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. 306. 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.
- No. 530. Social and economic character of unemployment in Philadelphia, April, 1929.
- No. 542. Report of the Advisory Committee on Employment Statistics. [1930.]
- No. 544. Unemployment-benefit plans in the United States and unemployment insurance in foreign countries. [1931.]

## Foreign labor laws.

- \*No. 142. Administration of labor laws and factory inspection in certain European countries. [1914.]
- No. 404. Labor legislation of Uruguay. [1929.]
- No. 510. Labor legislation of Argentina. [1930.]
- No. 539. Workmen's compensation legislation of Latin American countries. [1930.]
- No. 549. Labor legislation of Venezuela. [1931.]

## Housing.

- \*No. 158. Government housing in foreign countries. [1914.]
- No. 263. Housing in the United States in (1921 to) 1930.
- No. 295. Building operations in the United States in (1921 to) 1930.
- No. 546. Building permits in the United States in (1921 to) 1930.

## Industrial accidents and hygiene

- \*No. 104. Lead poisoning in the United States in (1921 to) 1930.
- No. 120. Hygiene of painters' trades. [1912.]
- \*No. 127. Danger to workers from dust, fumes, and vapors. [1913.]
- \*No. 141. Lead poisoning in the smelting industry. [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 the committee on statistics and compensation insurance costs of the International Association of Industrial Accident Boards and Commissions. [1916.]
- \*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. The 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 Munitions 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. 281. Carbon monoxide poisoning. [1921.]
- No. 283. 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. Occupation 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. 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
- No. 507. Causes of death, by occupation. [1929.]

## 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.]
- No. 534. Labor conditions in the Territory of Hawaii, 1929-1930.

## 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. 528. Labor legislation, 1929.
- No. 546. Decisions of courts and opinions affecting labor, 1929-1930.

**Proceedings of annual conventions of the Association of Governmental Officials in Industry of the United States and Canada. (Name changed in 1924 from Association of Governmental Labor Officials 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. 353. 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. 490. Fifteenth, New Orleans, La., May 21-24, 1928.
- No. 508. Sixteenth, Toronto, Canada, June 4-7, 1929.
- No. 530. Seventeenth, Louisville, Ky., May 20-23, 1930.

**Proceedings of annual meetings of the International Association of Industrial Accident Boards and Commissions.**

- No. 210. Third, Columbus, Ohio, April 25-28, 1916.
- No. 248. 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. 396. 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.
- No. 511. Sixteenth, Buffalo, N. Y., October 8-11, 1929.
- No. 534. Seventeenth, Wilmington, Del., September 22-26, 1930.

**Proceedings of annual meetings of the International Association of Public Employment Services.**

- No. 192. First, Chicago, December 19 and 20, 1918; 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 26-28, 1927.
- No. 501. Sixteenth, Cleveland, Ohio, September 18-21, 1928.
- No. 538. Seventeenth, Philadelphia, September 24-27, 1929, and eighteenth, Toronto, Canada, September 9-12, 1930.

**Productivity of labor.**

- No. 235. 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. 478. Productivity of labor in newspaper printing. [1929.]
- No. 550. Labor productivity in cargo handling and longshore labor conditions. (In press.)

**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. [1916.]
- 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 1923.

**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. 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. 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 the United States. [1929.]
- No. 505. Directory of homes for the aged in the United States. [1929.]
- No. 506. Handbook of American trade-unions: 1929 edition.
- No. 518. Personnel research agencies: 1930 edition.
- No. 541. Handbook of labor statistics: 1931 edition.