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**WAGES AND HOURS OF LABOR
IN THE BOOT AND SHOE
INDUSTRY: 1907 TO 1914**



AUGUST, 1915

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

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BOOT AND SHOE MANUFACTURING.

SUMMARY.

This report, based on information obtained from representative establishments, shows the full-time weekly earnings, the full-time hours of labor per week, and the rates of wages (or earnings) per hour in the principal occupations of the boot and shoe industry of the United States. Figures relating to full-time hours of labor per week and rates of wages (or earnings) per hour are presented for the years 1907 to 1914, inclusive, and for full-time weekly earnings for the years 1910 to 1914, inclusive.

In addition, this report presents material relating to the variations in the amount of employment furnished by this industry in the year ending in February, 1914 (p. 14).

Earlier reports¹ of this bureau have presented wages and hours of labor in the industry from 1890 to 1913.

Summarized briefly, the average full-time weekly earnings of the employees in this industry in 1914 were the same as in 1913, 8 per cent higher than in 1912, 6 per cent higher than in 1911, and 9 per cent higher than in 1910.

The average full-time hours of labor per week in 1914 were 1 per cent lower than in 1913, 2 per cent lower than in 1912, and 3 per cent lower than in 1911 or 1910.

The average rates of wages (or earnings) per hour in 1914 were 1 per cent higher than in 1913, 9 per cent higher than in 1912, 10 per cent higher than in 1911, and 12 per cent higher than in 1910. Owing to the reduction of hours, the increase in full-time weekly earnings between 1910 and 1914 was not so much as in rates of wages per hour.

A summary of the rates of wages and hours of labor in 1914 in the principal occupations of the industry is presented in the table following.

¹ Previous investigations of wages and hours of labor in boot and shoe manufacturing have been made and published by the bureau, as follows: Nineteenth Annual Report, covering 1890 to 1903; Bulletin No. 59 (July, 1905), covering 1903 and 1904; Bulletin No. 65 (July, 1906), covering 1904 and 1905; Bulletin No. 71 (July, 1907), covering 1905 and 1906; Bulletin No. 77 (July, 1908), covering 1906 and 1907; Bulletin No. 134 (August, 1913), covering 1907 to 1912; and Bulletin No. 154 (May, 1914), covering 1907 to 1913.

AVERAGE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS; AND PER CENT OF EMPLOYEES HAVING EACH CLASSIFIED FULL-TIME HOURS AND EARNING EACH CLASSIFIED RATE OF WAGES PER HOUR IN THE PRINCIPAL OCCUPATIONS IN 1914.

[This table includes all data secured for 1914 whether or not comparable data were available for 1913.]

Occupation and sex.	Number of establishments.	Number of employees.	Average full-time hours per week.	Per cent of employees whose full-time hours per week were—					Average rate of wages per hour.	Per cent of employees earning each classified rate of wages per hour.					Average full-time weekly earnings.
				Under 54	54 and under 57	57 and under 60	60 and over.	Under 12 cts.		12 and under 16 cts.	16 and under 20 cts.	20 and under 30 cts.	30 cts. and over.		
Backstay stitchers, female.....	82	432	54.3	12	58	25	6	.....	\$0.197	8	23	24	40	5	\$10.68
Button fasteners, female.....	74	208	53.8	28	52	14	6	.....	.200	11	21	29	28	11	10.78
Buttonhole makers, female.....	80	506	53.6	29	49	14	8	.....	.198	10	24	24	34	7	10.70
Closers-on, female.....	77	347	53.9	24	53	20	4	.....	.193	10	21	26	39	4	10.42
Lining makers, female.....	84	852	54.1	22	51	21	6	.....	.189	12	21	27	36	5	10.21
Skivers, upper, machine, female.....	77	446	54.1	20	49	25	6	.....	.209	4	15	29	43	8	11.30
Tip stitchers, female.....	83	348	54.2	16	56	22	5	.....	.219	6	14	22	46	13	11.87
Top stitchers or under-trimmers, female.....	86	1,076	54.2	19	53	21	6	.....	.212	5	16	24	46	9	11.48
Trees or ironers, hand, female.....	18	123	52.3	66	27	7	.....	.....	.175	13	26	31	29	1	9.12
Vampers, female.....	85	1,116	54.1	23	51	20	7	.....	.243	2	9	20	49	21	13.14
Other employees, male ¹	91	20,887	55.0	14	23	43	17	4	.224	10	16	18	36	19	12.29
Other employees, female ¹	89	12,347	54.0	22	56	16	6	(*)	.168	24	25	24	24	3	9.05
										Under 16 cts.	16 and under 20 cts.	20 and under 30 cts.	30 and under 40 cts.	40 cts. and over.	
Assemblers, for pulling-over machines, male.....	64	708	55.3	13	27	33	24	3	.279	6	11	43	32	8	15.37
Buffers, male.....	81	396	55.3	12	19	48	18	3	.309	3	9	33	41	14	17.05
Cutters, male.....	47	225	55.0	5	40	43	8	5	.302	(*)	2	40	57	(*)	16.64
Side lasters, hand, male.....	20	237	54.0	50	19	27	4	(*)	.308	3	7	35	45	11	16.59
Skivers, upper, machine, male.....	29	116	54.4	9	65	21	6	.....	.299	3	9	20	58	10	16.13
Trees, or ironers, hand, male.....	80	1,204	55.3	14	27	38	18	3	.279	5	13	43	32	7	15.38
Vampers, male.....	66	534	54.6	18	37	35	9	1	.312	3	6	37	37	16	17.04
										Under 20 cts.	20 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.	
Bed-machine operators, male.....	70	1,173	55.1	15	30	38	14	3	.321	5	35	45	12	3	17.68
Channelers, insole and outsole, male.....	77	213	55.2	15	23	42	17	4	.331	5	30	46	16	3	18.24
Cutters, vamp and whole shoe, hand, male.....	75	1,812	54.0	37	22	26	11	3	.366	3	17	50	20	10	19.66
Cutters, vamp and whole shoe, machine, male.....	40	642	55.3	12	22	40	24	1	.325	5	33	49	9	3	17.93
Edge setters, male.....	86	872	55.2	16	21	43	17	3	.410	1	12	38	35	15	22.54
Edge trimmers, male.....	85	886	55.1	13	25	43	16	2	.400	2	16	37	28	17	22.01
Goodyear stitchers, male.....	74	594	55.1	12	32	39	14	2	.410	1	17	35	27	20	22.57
Goodyear welters, male.....	74	439	55.2	11	33	38	15	3	.503	(*)	5	17	29	49	27.68
Hand-method lasting-machine operators, male.....	41	456	55.5	9	14	48	26	3	.348	3	28	43	19	7	19.25
Heel breasters, male.....	82	173	55.3	13	20	45	19	2	.308	16	38	30	13	4	16.71
Heel burnishers, male.....	84	283	55.5	11	21	43	21	4	.322	7	40	36	12	6	17.86
Heelers, male.....	84	324	55.3	14	23	40	19	4	.402	2	22	30	28	24	22.18
Heel scourers, male.....	84	372	55.3	14	21	43	18	4	.310	10	43	30	9	8	17.10
Heel trimmers or shavers, male.....	85	277	55.2	16	18	46	17	3	.433	3	14	30	29	25	23.88
McKay sewers, male.....	39	147	55.7	10	4	56	24	5	.538	9	28	40	15	8	18.77
Pullers-over, hand, male.....	49	749	54.9	8	30	49	11	1	.350	3	27	43	21	6	19.21
Pullers-over, machine, male.....	71	443	55.5	10	24	39	23	4	.356	2	26	42	23	6	19.66
Rough rounders, male.....	73	252	55.1	13	29	40	13	4	.508	.....	5	19	30	46	27.64
Side lasters, machine, male.....	16	167	54.3	19	35	32	11	4	.343	5	29	38	25	4	18.54
Turn lasters, hand, male.....	31	689	54.4	28	10	49	8	5	.524	7	37	35	17	4	17.56

¹ Employees not shown under a specified occupation.

² Less than 1 per cent.

In this table it is seen that in 1914 the average full-time weekly earnings of males engaged in the industry, represented by 27 specific occupations, varied from \$15.37 for assemblers to \$27.68 for Goodyear welters.

The average full-time weekly earnings of females in 1914, represented by 10 specific occupations, varied from \$9.12 for treers or ironers, hand, to \$13.14 for vampers.

Summary figures for the several years back to 1907 are presented in Table I (p. 27). The data for the years 1907 to 1911 were secured in 1911. Owing to the difficulty of finding establishments having satisfactory records extending back for a period of years, and also owing to the amount of work involved, data for 1907 to 1909 were secured from a smaller number of establishments than have furnished data for the later years.

According to the plan of Table I, direct comparisons can be made properly only between two or more successive years where the data are for identical establishments. Data for successive years from identical establishments are grouped together.

The data are for one pay-roll period in each year, the period ending nearest February 14 being selected, except in a few establishments in which conditions in February were abnormal or data for that month were not available.

The figures for the years from 1907 to the first presentation for 1913 are reproduced from Bulletin No. 154. The average full-time weekly earnings have not been computed for the period 1907 to 1909. It will be observed that the average full-time weekly earnings generally are not exactly the same as the product of the average rate of wages per hour and the average full-time hours per week. This difference is explained and illustrated on page 24.

Wages and hours of labor often differ materially in different establishments; hence the inclusion or exclusion of an establishment in a group, if the wages and hours therein differ greatly from the average, may raise or lower the average for the group. In Table I it is seen that the average full-time weekly earnings of cutters, vamp and whole shoe, hand, in 64 establishments were \$17.50 in 1911 and \$17.63 in 1912. In 71 establishments they were \$17.58 in 1912 and \$19.05 in 1913. Therefore, the inclusion of 7 additional establishments changed the average weekly earnings quoted for 1912 from \$17.63 to \$17.58. Consequently, it would not be correct to state that the increase was from \$17.50 in 1911 to \$19.05 in 1913. The movement from one year to another is indicated with a greater degree of certainty by the figures for identical establishments. The difference between \$17.50 and \$17.63 represents the increase from 1911 to 1912 and the difference between \$17.58 and \$19.05 represents the change between 1912 and 1913 as nearly as can be determined from the data

available. This explanation applies to the other occupations as well.

Owing to the change in the number of establishments from year to year, it is difficult to make a comparison of the actual data over a period of several years, or to get an exact measure of the changes. To aid in the making of such a comparison, relative (or index) numbers have been computed from the averages in Table I for full-time hours per week, rates of wages per hour, and full-time weekly earnings for each occupation for the years 1910 to 1914, inclusive. These relative numbers, which are shown in the following table, are simply percentages in which the figures for 1914 are taken as the base, or 100 per cent. Thus, the facts for each preceding year are brought into direct comparison with the facts for the latest year available, namely, 1914. The relative for each year preceding 1914 is the per cent that the average in that year is of the average for 1914. For example, the table shows that the relative full-time weekly earnings of cutters, vamp and whole shoe, hand, in 1910 and 1911 were 89 per cent of weekly earnings in 1914. In 1912 they had increased to 90 per cent, and in 1913 to 97 per cent of the earnings in 1914.

The relative number for full-time hours per week of cutters, vamp and whole shoe, hand, decreased from 104 in 1910 to 100 in 1914. That is, the average full-time hours of work per week in 1910 were 104 per cent of the average full-time hours in 1914. The heavy-faced figures of the table are relative numbers, and may all be read in like manner. The method of computing these relative numbers from the averages of the hours and wages shown in Table I is explained on page 24.

In addition to the relative numbers in this table, percentages have been computed showing the per cent of increase or decrease in 1914 as compared with each preceding year back to 1910, while in another column is given the per cent of increase or decrease in each year compared with the year immediately preceding.

Referring, for example, to the weekly earnings of skivers, male, it is seen that in 1914 they were 1 per cent higher than in 1913, 6 per cent higher than in 1912, etc.; and that they were 8 per cent higher in 1911 than in 1910, 1 per cent lower in 1912 than in 1911, 5 per cent higher in 1913 than in 1912, and so on.

RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1914, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS.

Occupation, sex, and year.	Hours per week.			Wages per hour.			Weekly earnings.		
	Relative full-time hours per week (1914=100).	Per cent of increase (+) or decrease (-) in—		Relative rate of wages per hour (1914=100).	Per cent of increase (+) or decrease (-) in—		Relative full-time weekly earnings (1914=100).	Per cent of increase (+) or decrease (-) in—	
		1914 as compared with each specified year.	Each specified year as compared with year preceding.		1914 as compared with each specified year.	Each specified year as compared with year preceding.		1914 as compared with each specified year.	Each specified year as compared with year preceding.
Cutting Department.									
Cutters, vamp and whole shoe, hand, male:									
1910.....	104	- 4		86	+16		89	+12	
1911.....	104	- 4	(1)	85	+13	- 1	89	+12	(1)
1912.....	102	- 2	-2	88	+14	+ 4	90	+11	+ 1
1913.....	101	- 1	-1	96	+ 4	+ 9	97	+ 3	+ 8
1914.....	100		-1	100		+ 4	100		+ 3
Cutters, vamp and whole shoe, machine, male:									
1910.....	105	- 5		94	+ 6		98	+ 2	
1911.....	104	- 4	-1	93	+ 8	- 1	97	+ 3	- 1
1912.....	102	- 2	-2	95	+ 5	+ 2	96	+ 4	- 1
1913.....	101	- 1	-1	98	+ 2	+ 3	99	+ 1	+ 3
1914.....	100		-1	100		+ 2	100		+ 1
Skivers, upper, machine, male:									
1910.....	101	- 1		86	+16		88	+14	
1911.....	101	- 1	(1)	94	+ 6	+ 9	95	+ 5	+ 8
1912.....	101	- 1	(1)	93	+ 8	- 1	94	+ 6	- 1
1913.....	100	(1)	-1	99	+ 1	+ 6	99	+ 1	+ 5
1914.....	100		(1)	100		+ 1	100		+ 1
Skivers, upper, machine, female:									
1910.....	105	- 5		83	+20		87	+15	
1911.....	105	- 5	(1)	83	+20	(1)	87	+15	(1)
1912.....	102	- 2	-3	81	+10	+10	93	+ 8	+ 7
1913.....	101	- 1	-1	98	+ 2	+ 8	99	+ 1	+ 6
1914.....	100		-1	100		+ 2	100		+ 1
Sole-leather Department.									
Channelers, insole and outsole, male:									
1910.....	103	- 3		84	+19		87	+15	
1911.....	103	- 3	(1)	87	+15	+ 4	89	+12	+ 1
1912.....	102	- 2	-1	89	+12	+ 2	90	+11	+ 1
1913.....	101	- 1	-1	99	+ 1	+11	100	(1)	+11
1914.....	100		-1	100		+ 1	100		(1)
Cutters, outsole, male:									
1910.....	103	- 3		87	+15		89	+12	
1911.....	103	- 3	(1)	87	+15	(1)	90	+11	+ 1
1912.....	102	- 2	-1	90	+11	+ 3	92	+ 9	+ 2
1913.....	101	- 1	-1	97	+ 3	+ 8	98	+ 2	+ 7
1914.....	100		-1	100		+ 3	100		+ 2
Fitting or Stitching Department.									
Backstay stitchers, female:									
1910.....	104	- 4		90	+11		94	+ 6	
1911.....	104	- 4	(1)	92	+ 9	+ 2	96	+ 4	+ 2
1912.....	101	- 1	-3	94	+ 6	+ 2	96	+ 4	(1)
1913.....	101	- 1	(1)	98	+ 2	+ 4	99	+ 1	+ 3
1914.....	100		-1	100		+ 2	100		+ 1

¹ No change.

RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1914, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS—Continued.

Occupation, sex, and year.	Hours per week.			Wages per hour.			Weekly earnings.		
	Relative full-time hours per week (1914=100).	Per cent of increase (+) or decrease (-) in—		Relative rate of wages per hour (1914=100).	Per cent of increase (+) or decrease (-) in—		Relative full-time weekly earnings (1914=100).	Per cent of increase (+) or decrease (-) in—	
		1914 as compared with each specified year.	Each specified year as compared with year preceding.		1914 as compared with each specified year.	Each specified year as compared with year preceding.		1914 as compared with each specified year.	Each specified year as compared with year preceding.
Fitting or Stitching Department—Concluded.									
Button fasteners, female:									
1911.....	104	- 4	-----	76	+32	-----	79	+27	-----
1912.....	103	- 3	-1	89	+12	+17	90	+11	+14
1913.....	102	- 2	-1	99	+ 1	+11	101	- 1	+12
1914.....	100	-----	-2	100	-----	+ 1	100	-----	- 1
Buttonhole makers, female:									
1911.....	104	- 4	-----	87	+15	-----	90	+11	-----
1912.....	102	- 2	-2	89	+12	+ 2	91	+10	+ 1
1913.....	101	- 1	-1	96	+ 4	+ 8	98	+ 2	+ 8
1914.....	100	-----	-1	100	-----	+ 4	100	-----	+ 2
Closers-on, female:									
1910.....	106	- 6	-----	91	+10	-----	97	+ 3	-----
1911.....	106	- 6	(1)	91	+10	(1)	97	+ 3	(1)
1912.....	102	- 2	-4	95	+ 5	+ 4	97	+ 3	(1)
1913.....	101	- 1	-1	99	+ 1	+ 4	100	(1)	+ 3
1914.....	100	-----	-1	100	-----	+ 1	100	-----	(1)
Lining makers, female:									
1910.....	105	- 5	-----	89	+12	-----	91	+10	-----
1911.....	105	- 5	(1)	88	+14	- 1	90	+11	- 1
1912.....	102	- 2	-3	90	+11	+ 2	91	+10	+ 1
1913.....	101	- 1	-1	101	- 1	+12	102	- 2	+12
1914.....	100	-----	-1	100	-----	- 1	100	-----	- 2
Tip stitchers, female:									
1911.....	102	- 2	-----	90	+11	-----	92	+ 9	-----
1912.....	101	- 1	-1	95	+ 5	+ 6	98	+ 4	+ 4
1913.....	101	- 1	(1)	100	(1)	+ 5	101	- 1	+ 5
1914.....	100	-----	-1	100	-----	(1)	100	-----	- 1
Top stitchers or undertrimmers, female:									
1910.....	105	- 5	-----	90	+11	-----	95	+ 5	-----
1911.....	105	- 5	(1)	92	+ 9	+ 2	96	+ 4	+ 1
1912.....	101	- 1	-4	94	+ 6	+ 2	95	+ 5	- 1
1913.....	101	- 1	(1)	100	(1)	+ 0	101	- 1	+ 6
1914.....	100	-----	-1	100	-----	(1)	100	-----	- 1
Vampers, male:									
1910.....	102	- 2	-----	98	+ 4	-----	98	+ 4	-----
1911.....	102	- 2	(1)	99	+ 1	+ 3	100	(1)	+ 4
1912.....	101	- 1	-1	97	+ 3	- 2	98	+ 2	- 2
1913.....	100	(1)	-1	102	- 2	+ 5	102	- 2	+ 4
1914.....	100	-----	(1)	100	-----	- 2	100	-----	- 2
Vampers, female:									
1910.....	105	- 5	-----	97	+ 3	-----	101	- 1	-----
1911.....	105	- 5	(1)	97	+ 3	(1)	101	- 1	(1)
1912.....	102	- 2	-3	95	+ 5	- 2	96	+ 4	- 5
1913.....	101	- 1	-1	101	- 1	+ 6	102	- 2	+ 6
1914.....	100	-----	-1	100	-----	- 1	100	-----	- 2
Lasting Department.									
Assemblers, for pulling-over machine, male:									
1911.....	102	- 2	-----	91	+10	-----	93	+ 8	-----
1912.....	101	- 1	-1	88	+14	- 3	89	+12	- 4
1913.....	100	(1)	-1	97	+ 3	+10	97	+ 3	+ 9
1914.....	100	-----	(1)	100	-----	+ 3	100	-----	+ 3

¹ No change.

RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1914, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS—Continued.

Occupation, sex, and year.	Hours per week.		Wages per hour.		Weekly earnings.	
	Relative full-time hours per week (1914=100).	Per cent of increase (+) or decrease (—) in—	Relative rate of wages per hour (1914=100).	Per cent of increase (+) or decrease (—) in—	Relative full-time weekly earnings (1914=100).	Per cent of increase (+) or decrease (—) in—
		1914 as compared with each specified year.		Each specified year as compared with year preceding.		1914 as compared with each specified year.	Each specified year as compared with year preceding.
Lasting Department—Concluded.						
Bed-machine operators, male:						
1910.....	103	— 3	95	+ 5	97	+ 3
1911.....	102	— 2	99	+ 1	100	(1) + 3
1912.....	101	— 1	93	+ 8	94	+ 6
1913.....	100	(1)	103	— 3	103	— 3
1914.....	100		100		100	
Hand-method lasting-machine operators, male:						
1910.....	103	— 3	89	+12	92	+ 9
1911.....	103	— 3	90	+11	93	+ 8
1912.....	101	— 1	93	+ 8	93	+ 8
1913.....	100	(1)	102	— 2	102	— 2
1914.....	100		100		100	
Pullers-over, hand, male:						
1910.....	102	— 2	83	+20	85	+18
1911.....	102	— 2	89	+12	90	+11
1912.....	100	(1)	91	+10	91	+10
1913.....	100	(1)	95	+ 5	96	+ 4
1914.....	100		100		100	
Pullers-over, machine, male:						
1910.....	103	— 3	91	+10	94	+ 6
1911.....	102	— 2	91	+10	92	+ 9
1912.....	101	— 1	87	+15	88	+14
1913.....	100	(1)	98	+ 2	98	+ 2
1914.....	100		100		100	
Side lasters, hand, male:						
1910.....	100	(1)	98	+ 2	99	+ 1
1914.....	100		100		100	
Side lasters, machine, male:						
1913.....	103	— 3	94	+ 6	98	+ 2
1914.....	100		100		100	
Turn lasters, male:						
1912.....	102	— 2	79	+27	86	+16
1913.....	101	— 1	95	+ 5	96	+ 4
1914.....	100		100		100	
Bottoming Department.						
Buffers, male:						
1911.....	101	— 1	83	+12	90	+11
1912.....	101	— 1	93	+ 8	94	+ 6
1913.....	100	(1)	103	— 3	103	— 3
1914.....	100		100		100	
Edge setters, male:						
1910.....	102	— 2	88	+14	90	+11
1911.....	102	— 2	90	+11	92	+ 9
1912.....	101	— 1	92	+ 9	93	+ 8
1913.....	100	(1)	100	(1)	101	— 1
1914.....	100		100		100	
Edge trimmers, male:						
1910.....	102	— 2	93	+ 8	95	+ 5
1911.....	102	— 2	95	+ 5	97	+ 3
1912.....	101	— 1	94	+ 6	95	+ 5
1913.....	101	— 1	102	— 2	102	— 2
1914.....	100		100		100	

¹ No change.

RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1914, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS—Continued.

Occupation, sex, and year.	Hours per week.			Wages per hour.			Weekly earnings.		
	Relative full-time hours per week (1914=100).	Per cent of increase (+) or decrease (-) in—		Relative rate of wages per hour (1914=100).	Per cent of increase (+) or decrease (-) in—		Relative full-time weekly earnings (1914=100).	Per cent of increase (+) or decrease (-) in—	
		1914 as compared with each specified year.	Each specified year as compared with year preceding.		1914 as compared with each specified year.	Each specified year as compared with year preceding.		1914 as compared with each specified year.	Each specified year as compared with year preceding.
Bottoming Department—Concluded.									
Goodyear stitchers, male:									
1910.....	102	- 2	.....	88	+14	.....	90	+11	.....
1911.....	102	- 2	(1)	91	+10	+ 3	93	+ 8	+ 3
1912.....	102	- 2	(1)	91	+10	(1)	92	+ 9	- 1
1913.....	100	(1)	- 2	96	+ 4	+ 5	97	+ 3	+ 5
1914.....	100	.....	(1)	100	.....	+ 4	100	.....	+ 3
Goodyear welters, male:									
1910.....	102	- 2	.....	82	+22	.....	84	+19	.....
1911.....	102	- 2	(1)	88	+14	+ 7	89	+12	+ 6
1912.....	101	- 1	- 1	88	+14	(1)	89	+12	(1)
1913.....	100	(1)	- 1	99	+ 1	+13	99	+ 1	+11
1914.....	100	.....	(1)	100	.....	+ 1	100	.....	+ 1
Heel breasters, male:									
1911.....	102	- 2	.....	92	+ 9	.....	93	+ 8	.....
1912.....	101	- 1	- 1	95	+ 5	+ 3	96	+ 4	+ 3
1913.....	100	(1)	- 1	101	- 1	+ 6	102	- 2	+ 6
1914.....	100	.....	(1)	100	.....	- 1	100	.....	- 2
Heel burnishers, male:									
1911.....	102	- 2	.....	89	+12	.....	91	+10	.....
1912.....	102	- 2	(1)	92	+ 9	+ 3	93	+ 8	+ 2
1913.....	100	(1)	- 2	98	+ 2	+ 7	98	+ 2	+ 5
1914.....	100	.....	(1)	100	.....	+ 2	100	.....	+ 2
Heelers, male:									
1911.....	102	- 2	.....	97	+ 3	.....	99	+ 1	.....
1912.....	102	- 2	(1)	95	+ 5	- 2	96	+ 4	- 3
1913.....	100	(1)	- 2	106	- 6	+12	106	- 6	+10
1914.....	100	.....	(1)	100	.....	- 6	100	.....	- 6
Heel scourers, male:									
1911.....	100	(1)	.....	91	+10	.....	93	+ 8	.....
1912.....	101	- 1	+ 1	92	+ 9	+ 1	93	+ 8	(1)
1913.....	100	(1)	- 1	100	(1)	+ 9	101	- 1	+ 9
1914.....	100	.....	(1)	100	.....	(1)	100	.....	- 1
Heel trimmers or shavers, male:									
1910.....	103	- 3	.....	93	+ 8	.....	95	+ 5	.....
1911.....	102	- 2	- 1	95	+ 5	+ 2	97	+ 3	+ 2
1912.....	101	- 1	- 1	95	+ 5	(1)	96	+ 4	- 1
1913.....	100	(1)	- 1	101	- 1	+ 6	101	- 1	+ 5
1914.....	100	.....	(1)	100	.....	- 1	100	.....	- 1
McKay sewers, male:									
1910.....	102	- 2	.....	87	+15	.....	88	+14	.....
1911.....	101	- 1	- 1	87	+15	(1)	87	+15	- 1
1912.....	101	- 1	(1)	83	+20	- 5	84	+19	- 3
1913.....	100	(1)	- 1	93	+ 8	+12	93	+ 8	+11
1914.....	100	.....	(1)	100	.....	+ 8	100	.....	+ 8
Rough rounders, male:									
1910.....	103	- 3	.....	79	+27	.....	81	+23	.....
1911.....	103	- 3	(1)	85	+18	+ 8	87	+15	+ 7
1912.....	102	- 2	- 1	86	+16	+ 1	87	+15	(1)
1913.....	101	- 1	- 1	88	+ 2	+14	89	+ 1	+14
1914.....	100	.....	- 1	100	.....	+ 2	100	.....	+ 1

¹ No change.

RELATIVE FULL-TIME HOURS PER WEEK, RATES OF WAGES PER HOUR, AND FULL-TIME WEEKLY EARNINGS, 1910 TO 1914, TOGETHER WITH PER CENT OF INCREASE OR DECREASE IN SPECIFIED YEARS, IN THE PRINCIPAL OCCUPATIONS—Concluded.

Occupation, sex, and year.	Hours per week.			Wages per hour.			Weekly earnings.		
	Relative full-time hours per week (1914=100).	Per cent of increase (+) or decrease (—) in—		Relative rate of wages per hour (1914=100).	Per cent of increase (+) or decrease (—) in—		Relative full-time weekly earnings (1914=100).	Per cent of increase (+) or decrease (—) in—	
		1914 as compared with each specified year.	Each specified year as compared with year preceding.		1914 as compared with each specified year.	Each specified year as compared with year preceding.		1914 as compared with each specified year.	Each specified year as compared with year preceding.
Finishing Department.									
Treers or ironers, hand, male:									
1910.....	101	— 1	.....	96	+ 4	.....	97	+ 3	.....
1911.....	101	— 1	(1)	97	+ 3	+ 1	97	+ 3	(1)
1912.....	101	— 1	(1)	95	+ 5	— 2	96	+ 4	— 1
1913.....	100	(1)	—1	100	(1)	+ 5	101	— 1	+ 5
1914.....	100	.....	(1)	100	.....	(1)	100	.....	— 1
Treers or ironers, hand, female:									
1910.....	113	—11	.....	82	+22	.....	91	+10	.....
1911.....	111	—10	—1	83	+20	+ 1	92	+ 9	+ 1
1912.....	104	— 4	—6	88	+14	+ 6	92	+ 9	(1)
1913.....	105	— 5	+1	91	+10	+ 3	94	+ 6	+ 2
1914.....	100	.....	—5	100	.....	+10	100	.....	+ 6
The industry:									
1910.....	103	— 3	.....	89	+12	.....	92	+ 9	.....
1911.....	103	— 3	(1)	91	+10	+ 2	94	+ 6	+ 2
1912.....	102	— 2	—1	92	+ 9	+ 1	93	+ 8	— 1
1913.....	101	— 1	—1	99	+ 1	+ 8	100	(1)	+ 8
1914.....	100	.....	—1	100	.....	+ 1	100	.....	(1)

1 No change.

In the above table it will be observed that the general tendency is toward a reduction of working hours and an increase in rates of wages per hour and of earnings per full week. This table does not consider the amount of work afforded employees each year or the variation in the volume of employment from year to year. The relative full-time hours per week indicate the change in the hours of labor of employees working full time, but do not reflect in any way the greater or less amount of full-time work afforded. This point is further discussed on page 23.

From the last paragraph of the table above, which is a summary of the data for all occupations combined, it is seen that the relative or index number for full-time hours per week in the industry as a whole decreased from 103 in 1910 to 100 in 1914, or, in other words, full-time hours per week in 1910 were 103 per cent of what they were in 1914. The relative or index number for rates of wages per hour increased from 89 in 1910 to 100 in 1914. Owing to the reduction of hours the increase in full-time weekly earnings was slightly less

than the increase in wages per hour, the increase being from an index of 92 in 1910 to 100 in 1914.

In examining the relative or index numbers for the several occupations and for the industry as a whole in the table above, it will be observed that they have been computed with 1914 taken as the base, or 100 per cent. The reasons for using the data for the most recent year available as the base for relative or index numbers are: First, the most recent data are probably the most accurate and representative; second, comparisons are more often made between recent years than between any others, and relatives based upon a recent year are thus more valuable than those based upon a period more remote; and, third, this method permits the inclusion of new or additional occupations that it may be found desirable to introduce, and the computing of relatives for such occupations for the years for which data are available, on the same base as that upon which the relatives for other occupations are computed. This could not be done, of course, if the relatives were based upon data for some former year for which data concerning such occupations were not available.

VARIATION IN EMPLOYMENT DURING YEAR.

Statistics concerning unemployment are of two general classes: First, figures relating to the extent of unemployment as of a certain date, and, second, figures relating to the extent of unemployment of individuals during some stated period, generally one year. An investigation of unemployment under either of the above classes involves much personal inquiry and consequent expense.

In connection with the present study an attempt was made, however, to gather information concerning the volume and regularity of employment in this industry during the year ending in February, 1914, and the amount paid out in wages during the same period. Such figures do not, of course, show the number of unemployed desiring work in an industry. On the other hand, the loss of employment in an establishment does not necessarily mean unemployment, as the employees may find work elsewhere in the same or some other industry. The material presented, while not strictly data concerning unemployment, indirectly and to a very great extent may be accepted, however, as indicative of the amount of unemployment in the industry covered. The obtaining of this material in connection with the wage data increased quite materially the cost of this report, but the additional expense involved was small as compared with the expense that would have to be incurred in making a personal canvass or census of individual wage earners in the industry.

Data were obtained from 83 establishments covering the number of days the plant was in operation, the number of employees on the pay roll, and the amount of the pay roll for each pay-roll period for a year, also a statement of the number of days the plant was closed during the year, by causes.

The following table shows the average number of days in operation, the total number of employees, the total amount of pay roll, and the average earnings per employee in two-week periods for 83 establishments. It also shows the percentages that the number of employees, the amount of pay rolls, and the earnings per employee, respectively, for each two-week period, are of the averages for the year. In this table the data have been reduced to a two-week basis. This was necessary because in a considerable number of establishments the regular pay-roll period covers two weeks and it was not practicable to separate the figures so as to show them for one week. Hence, for establishments which have a weekly pay roll the figures for two consecutive pay rolls were combined so as to bring all to the same basis. The amounts of the two weekly pay rolls were added, and the number of employees used is the average of the numbers in the two weeks. The column "Average days in operation" has reference to the establishment as a whole, and not to the number of employees shown in the next column. For example, the average days in operation of the 83 establishments in a given two-week period may have been only 10.3, while the employees who worked in the establishments actually in operation during that period may have averaged 11.7 days. The figures show a striking uniformity in the volume of employment in the industry in the 12 months covered. It will be noticed that there is little variation either in the average number of days in operation, the number of employees, or the average earnings per employee, except as the latter are affected by the number of days in operation. For example, for the period ending July 5 it will be seen that the earnings per employee are considerably lower than for other periods, but it will be noticed that this period includes a holiday which is national in its observance, and the average days in operation were less than in other periods.

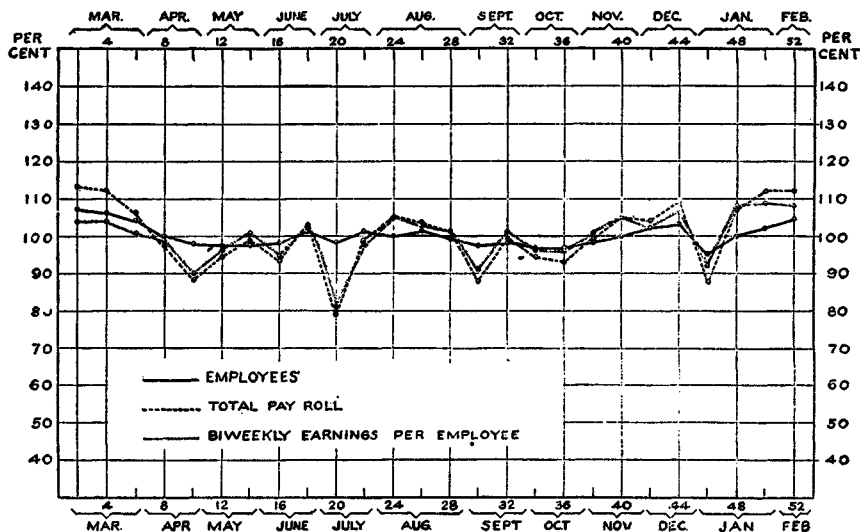
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AVERAGE DAYS ESTABLISHMENTS WERE IN OPERATION, EMPLOYEES, TOTAL PAY ROLLS, AND AVERAGE EARNINGS PER EMPLOYEE IN TWO WEEKS, FOR ONE YEAR, BY TWO-WEEK PERIODS.

Two-week period ending approximately—	Average days in operation.	Employees.		Pay rolls.		Average earnings per employee in two weeks.	
		Number.	Per cent of average for year.	Amount.	Per cent of average for year.	Amount.	Per cent of average for year.
1913.							
Mar. 1.....	11.8	54,677	107	\$1,294,049.82	113	\$23.67	105
15.....	12.0	54,266	106	1,279,160.02	112	23.57	105
29.....	11.9	53,195	104	1,212,516.30	106	22.79	101
Apr. 12.....	11.8	50,787	100	1,115,870.01	97	21.97	98
26.....	11.2	49,907	98	1,007,796.65	88	20.17	90
May 10.....	11.6	49,648	97	1,072,778.49	94	21.61	96
24.....	11.7	49,648	97	1,122,074.49	98	22.60	101
June 7.....	10.9	50,136	98	1,061,558.82	93	21.17	94
21.....	11.9	51,339	101	1,182,130.09	103	23.03	102
July 5.....	9.1	49,777	98	909,378.68	79	18.27	81
19.....	11.2	51,317	101	1,133,646.53	99	22.09	98
Aug. 2.....	11.8	51,165	100	1,204,618.55	105	23.54	105
16.....	11.8	51,495	101	1,196,276.81	104	23.23	103
30.....	11.5	50,722	99	1,154,353.02	101	22.76	101
Sept. 13.....	10.8	49,324	97	1,008,055.91	88	20.44	91
27.....	11.7	49,819	98	1,133,862.69	99	22.75	101
Oct. 11.....	11.5	49,443	97	1,072,544.71	94	21.69	96
25.....	11.7	49,405	97	1,067,648.02	93	21.61	96
Nov. 8.....	11.7	49,915	98	1,133,861.28	99	22.72	101
22.....	11.7	51,121	100	1,209,000.00	105	23.65	105
Dec. 6.....	11.1	52,226	102	1,194,051.80	104	22.86	102
20.....	11.7	52,374	103	1,251,042.66	109	23.89	106
1914.							
Jan. 3.....	9.8	48,629	95	1,008,355.81	88	20.74	92
17.....	11.7	50,868	100	1,229,565.36	107	24.17	108
31.....	11.7	52,177	102	1,280,501.39	112	24.54	109
Feb. 14.....	11.9	53,171	104	1,286,451.85	112	24.19	108
Average for year.....	11.4	51,025	100	1,146,967.68	100	22.48	100

The accompanying graphic chart is based on the percentages shown in the above table.

VARIATIONS IN NUMBER OF EMPLOYEES, TOTAL PAY ROLLS, AND BIWEEKLY EARNINGS PER EMPLOYEE.



Whether or not the industry as a whole had rush or dull seasons in the year ending in February, 1914, so far as this fact may be brought out by the pay rolls, is still further developed in the next table.

The table shows the months during which the largest pay roll and the smallest full-time and smallest actual pay rolls occur, and the number of establishments closed down entirely for one or two weeks in any month. It will be seen that the largest pay rolls and the smallest full-time pay rolls are well distributed through the various months of the year. It will further be seen that the largest pay roll of the year occurred in each month in at least two establishments and that the smallest full-time pay roll occurred in at least two establishments in each month except one. The second column shows that the smallest actual pay roll occurred in the month of December in 11 of the 83 establishments and in July in 12 establishments. Reference to the schedules from which these facts have been taken shows that in almost every case the establishment was closed during part of the pay-roll periods covering the latter part of December and the early part of July, so that these small pay rolls appear to be caused by the general industrial inactivity of the holiday season rather than by any so-called dull season of the industry. The smallest actual pay roll occurred in May in 19 establishments, which may indicate a general tendency to industrial inactivity during that month.

It will also be noted that while 11 of the smallest pay rolls fell in December, 12 of the largest pay rolls occurred during the same month. This fact has been explained by the statement that during the early part of December a desire on the part of the employees to earn additional money for the approaching holiday season causes greater production and consequently larger earnings, especially on the part of pieceworkers, while during the latter part of the month, as stated above, there is a falling off on account of the holidays themselves.

The figures taken as a whole seem to indicate that the industry had no especially dull or active season in the year ending in February, 1914. Attention is called to the fact that the same month may show a considerable number of both large and small pay rolls, because as a rule each pay-roll period covers only one, or at most two, weeks, so that it would be possible for an establishment to have a very large and a very small pay roll in the same month.

NUMBER OF ESTABLISHMENTS HAVING LARGEST AND SMALLEST PAY ROLLS IN SPECIFIED MONTHS.

Month.	Number of establishments having—			Number of establishments closed down entirely for—	
	Largest pay roll in specified months.	Smallest actual pay roll in specified months. ¹	Smallest full-time pay roll in specified months.	1 week.	2 weeks.
1913.					
February.....	5				
March.....	14	2	3		
April.....	6	8	14	3	1
May.....	2	19	18	2	1
June.....	3		2	1	
July.....	7	12	10	26	1
August.....	5	2	3	1	1
September.....	2	7	2	1	
October.....	3	9	13	1	
November.....	3	3	6	1	
December.....	12	11	2	3	2
1914.					
January.....	13	6	7		
February.....	8	4	3		
Total.....	83	83	83	39	6

¹ Not including pay-roll periods during which factory was idle all the time.

The next table shows the number of days each of the 83 establishments reporting was in operation during the year, and the number of days idle, by specified causes. It will be seen that aside from holidays and vacations, which are the result of custom or of an accepted policy of the establishment, the number of days idle was comparatively small, the average for the year for the 83 establishments shown being only 8 days. Including holidays and vacations, the average number of days idle during the year ending in February, 1914, was 15.

NUMBER OF DAYS ESTABLISHMENTS WERE IN OPERATION AND NUMBER OF DAYS IDLE, BY SPECIFIED CAUSES, DURING YEAR.

State, and establishment number.	Days in operation during year of 52 weeks.	Number of week days idle during year of 52 weeks on account of—					Total week days idle during year.
		Holidays and vacations.	Strikes and lockouts.	Slack work.	Inventory.	Other causes.	
Illinois:							
Establishment No. 1.....	306	6					6
Establishment No. 2.....	306	6					6
Establishment No. 3.....	307	5					5
Establishment No. 4.....	306	6					6
Maine:							
Establishment No. 5.....	292	5			15		20
Establishment No. 6.....	304	8					8
Establishment No. 7.....	304	8					8
Establishment No. 8.....	294	6			12		18
Massachusetts:							
Establishment No. 9.....	304	8					8
Establishment No. 10.....	306	6					6
Establishment No. 11.....	301	8		2		1	11
Establishment No. 12.....	300	12					12

¹ Breakdown of engine.

NUMBER OF DAYS ESTABLISHMENTS WERE IN OPERATION AND NUMBER OF DAYS IDLE, BY SPECIFIED CAUSES, DURING YEAR—Continued.

State and establishment number.	Days in operation during year of 52 weeks.	Number of week days idle during year of 52 weeks on account of—					Total week days idle during year.
		Holidays and vacations.	Strikes and lockouts.	Slack work.	Inventory.	Other causes.	
Massachusetts—Concluded.							
Establishment No. 13.....	287	10		15			25
Establishment No. 14.....	289	8		15			23
Establishment No. 15.....	304	8					8
Establishment No. 16.....	298	9			5		14
Establishment No. 17.....	299	8		5			13
Establishment No. 18.....	304	8					8
Establishment No. 19.....	301	9				1 2	11
Establishment No. 20.....	285	6		21			27
Establishment No. 21.....	288	9		7		1 8	24
Establishment No. 22.....	295	17					17
Establishment No. 23.....	300	7		5			12
Establishment No. 24.....	292	5		7	8		20
Establishment No. 25.....	293	7		6	6		19
Establishment No. 26.....	305	7					7
Establishment No. 27.....	300	6		6			12
Establishment No. 28.....	295	6		11			17
Establishment No. 29.....	283	7		22			29
Establishment No. 30.....	304	8					8
Minnesota:							
Establishment No. 31.....	306	6					6
Establishment No. 32.....	296	6			10		16
Establishment No. 33.....	274	6	32				38
Missouri:							
Establishment No. 34.....	295	5			11	1 1	17
Establishment No. 35.....	295	5			11	1 1	17
Establishment No. 36.....	295	5			11	1 1	17
Establishment No. 37.....	295	5			12		17
Establishment No. 38.....	274	6		32			38
Establishment No. 39.....	285	6		20	1		27
Establishment No. 40.....	295	6		9	2		17
Establishment No. 41.....	307	5					5
Establishment No. 42.....	295	5			11	1 1	17
Establishment No. 43.....	299	5		8			13
Establishment No. 44.....	296	7		7	2		16
New Hampshire:							
Establishment No. 45.....	271	5		36			41
Establishment No. 46.....	285	8		12		1 7	27
Establishment No. 47.....	283	8		11		1 10	29
Establishment No. 48.....	284	8		13		1 7	28
Establishment No. 49.....	286	8		15		1 3	26
Establishment No. 50.....	285	9		13		1 5	27
Establishment No. 51.....	286	8		11		1 7	26
New Jersey:							
Establishment No. 52.....	297	6			9		15
Establishment No. 53.....	297	8		1	6		15
Establishment No. 54.....	295	7			10		17
Establishment No. 55.....	305	5			2		7
New York:							
Establishment No. 56.....	304	8					8
Establishment No. 57.....	298	6			8		14
Establishment No. 58.....	301	6		5			11
Establishment No. 59.....	307	5					5
Establishment No. 60.....	300	12					12
Establishment No. 61.....	302	10					10
Establishment No. 62.....	299	7	6				13
Establishment No. 63.....	289	5		18			23
Establishment No. 64.....	303	6			3		9
Ohio:							
Establishment No. 65.....	286	8				1 18	26
Establishment No. 66.....	306	6					6
Establishment No. 67.....	307	5					5
Establishment No. 68.....	307	5					5
Establishment No. 69.....	306	6					6
Establishment No. 70.....	293	8				1 11	19

1 Boiler inspection.

2 Not specified.

3 Death of the president of the company.

4 Flood.

5 Flood 10 days; breakdown 1 day.

**NUMBER OF DAYS ESTABLISHMENTS WERE IN OPERATION AND NUMBER OF DAYS
IDLE, BY SPECIFIED CAUSES, DURING YEAR—Concluded.**

State, and establishment number.	Days in opera- tion during year of 52 weeks.	Number of week days idle during year of 52 weeks on account of—					Total week days idle during year.
		Holidays and va- cations.	Strikes and lockouts.	Slack work.	Inven- tory.	Other causes.	
Pennsylvania:							
Establishment No. 71.....	305	7					7
Establishment No. 72.....	302	10					10
Establishment No. 73.....	303	5		4			9
Establishment No. 74.....	298	14					14
Establishment No. 75.....	307	5					5
Establishment No. 76.....	308	4					4
Establishment No. 77.....	297	14			1		15
Establishment No. 78.....	299	8			5		13
Virginia:							
Establishment No. 79.....	305	5			2		7
Establishment No. 80.....	290	0			5	1 11	22
Establishment No. 81.....	293	5		14			19
Wisconsin:							
Establishment No. 82.....	306	6					6
Establishment No. 83.....	300	6			6		12
Average.....	297.0	7.0	0.5	4.2	2.1	1.1	15.0

¹ Breakdown of engine.

Prior to 1914, the hours actually worked by time workers in the pay-roll period covered were not copied from the pay rolls. When data for 1914 were secured, however, the hours actually worked by both time and piece workers were secured, and the results are presented in General Table VI, which shows the average full-time hours, the average hours actually worked, and the number of employees working each classified per cent of full time. A few establishments which pay their employees biweekly have been omitted altogether from Table VI.

The following summary table shows the number and per cent of employees working certain classified percentages of full time, by States:

**NUMBER AND PER CENT OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF
FULL TIME, BY STATES, 1914.**

[Six establishments, having biweekly pay-roll periods, are omitted from this table.]

State.	Num- ber of estab- lish- ments.	Total num- ber of em- ployees.	Number and per cent of employees working each classified per cent of full time.									
			100 per cent and over.		Under 100 per cent.		Under 75 per cent.		Under 50 per cent.		Under 25 per cent.	
			Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.
Illinois.....	4	2,722	1,347	49	1,375	51	401	15	81	3	24	1
Maine.....	5	2,258	945	42	1,313	58	263	12	80	4	20	1
Massachusetts.....	25	18,850	7,429	39	11,421	61	3,176	17	1,031	5	264	1
Minnesota.....	3	847	521	62	326	38	117	14	29	3	7	1
Missouri.....	11	4,886	1,384	28	3,502	72	898	18	249	5	79	2
New Hampshire.....	7	4,527	1,650	36	2,877	64	814	18	397	9	186	4
New Jersey.....	3	765	246	32	519	68	262	34	10	1	4	1
New York.....	11	6,612	2,672	40	3,940	60	1,167	18	271	4	46	1
Ohio.....	5	4,197	2,042	49	2,155	51	514	12	135	3	27	1
Pennsylvania.....	7	3,237	922	28	2,315	72	960	30	152	5	32	1
Wisconsin.....	2	1,238	532	43	706	57	225	18	84	7	22	2
Other States.....	2	523	109	21	414	79	93	18	17	3	1	(¹)
Total.....	85	50,662	19,799	39	30,863	61	8,890	18	2,536	5	712	1

¹ Less than 1 per cent.

EXPLANATION OF SCOPE AND METHOD.

This report includes establishments whose principal or only products are shoes made by the McKay, welt, or turn process. Men's, women's, and children's shoes are included. Data are not included from establishments whose main or sole products are nailed, screwed, or pegged shoes, or specialties such as slippers, leggings, felt boots, etc., nor from establishments doing only fitting or making sole stock. All information in the report was secured from pay rolls of the various establishments by the agents of the bureau. The number of establishments from which data were secured has varied considerably during the years included, as follows:

1907 to 1910.....	26 identical establishments.
1910 and 1911.....	60 identical establishments.
1911 and 1912.....	81 identical establishments.
1912 and 1913.....	88 identical establishments.
1913 and 1914.....	84 identical establishments.

In addition to the 84 establishments from which data were secured for 1913 and 1914, data were secured from 7 establishments for 1914 only, making a total of 91 establishments from which data for 1914 are presented. Figures based upon data for all establishments covered in 1914 are included in certain tables of this report, as indicated by prefatory notes.

The data for 1907 to 1911 were secured in 1911 and the number of establishments included in the full period from 1907 to 1910, inclusive, was limited owing to the difficulty of finding establishments that had preserved satisfactory records for those years and also to the large amount of work involved. Data were not secured from an even greater number of establishments in the more recent years because of the limited funds available for the purpose. The establishments vary from year to year, as establishments go out of business or cease to be representative, and new establishments must be substituted. Occasionally occupations are dispensed with in a factory, or new occupations are introduced, and sometimes data are not available for all occupations in a factory.

Data for a group of establishments in any year will not be precisely the same as for a different group in the same year, even though nearly all of the establishments may be common to both groups. In using the actual figures in this report comparison from year to year should be made only between data coming from identical establishments. In the tables the data from identical establishments are grouped together. Except where noted, data from an establishment are not included in the report unless the information for at least two years is available.

In selecting establishments from which to secure data, the bureau undertook to represent all States in which boot and shoe manufacturing is of material importance, the measure of importance being the number of employees as reported by the United States Census of Manufactures. The table which follows shows, by States, the number of employees in this industry as reported by the United States Census, 1910; the number of establishments from which the bureau secured data for 1914; and the number of employees in such establishments.

TOTAL NUMBER OF EMPLOYEES IN BOOT AND SHOE MANUFACTURING AND NUMBER OF EMPLOYEES IN ESTABLISHMENTS FOR WHICH DATA ARE SHOWN FOR 1914.

[This table includes 7 establishments from which data were secured for 1914 only.]

State.	Number of employees reported by United States Census, 1910.	Establishments and employees for which data are shown by the Bureau of Labor Statistics for 1914.	
		Number of establishments.	Number of employees.
Massachusetts.....	33,063	25	18,850
New York.....	21,627	11	6,612
Missouri.....	17,396	11	4,886
Ohio.....	16,026	7	5,011
New Hampshire.....	14,211	7	4,527
Pennsylvania.....	10,822	8	3,703
Maine.....	6,626	5	2,258
Illinois.....	5,792	4	2,722
Wisconsin.....	5,431	2	1,238
New Jersey.....	4,232	4	1,244
Virginia.....	2,711	3	827
Minnesota.....	2,664	3	847
Michigan.....	2,455	1	346
Other States.....	5,241	.....	.....
Total.....	198,297	91	53,071

According to the census of 1910, more than 97 per cent of the total number of employees in the industry are found in the States in which the establishments furnishing information to the Bureau of Labor Statistics are located. The number of employees for which the bureau secured 1914 data and for which detailed information for 1914 is presented in this report was equal to nearly 27 per cent of the total in the industry in 1910. The pay-roll period taken each year was that ending nearest February 14 except in a few establishments where February data were not available or abnormal conditions made it desirable to take a pay-roll period for some other time of the year.

The rates of wages per hour appearing in the tables include the wages of time workers and the earnings of pieceworkers. All time rates by the day or week have been reduced to rates per hour and the earnings of pieceworkers or of persons working at both time and

piece rates have been reduced to rates per hour by dividing the earnings by the hours worked. The time workers and pieceworkers of each occupation are combined as one group. The number of time workers employed in this industry is so small that it was thought not to be important to show them separately.

In a considerable number of establishments visited in years preceding 1913 the records of the hours worked by individual pieceworkers were so inadequate that it was not deemed advisable to attempt to tabulate classified rates of wages or earnings per hour. In 1913, however, where there was no record regularly kept in the factory of the actual time worked by pieceworkers the firms, at the request of the bureau, kept a special record for the pay-roll period taken, making it possible to present classified rates. This plan was also followed in 1914, and classified rates are shown in General Tables IV and V.

Prior to 1914 data were secured only for employees in certain selected occupations. In 1914, however, data were obtained for all employees in the establishments and, in addition to the selected occupations presented as heretofore, data are shown for all "other employees" in General Tables III, V, and VI.

A change in the earnings per hour of pieceworkers does not of necessity indicate a change in piece rates. Without a change in piece rates, a change in methods or of machinery, a speeding up, or more steady work resulting from greater volume of business may increase the hourly earnings; or, on the other hand, changes in methods, a slowing down in speed, or a lull in business may reduce the hourly earnings. Varying intervals of waiting for work while on duty may also affect hourly earnings.

The full-time hours of labor per week shown in the general tables of the report are the regular hours of work of the occupations under normal conditions in the establishments. The figures given show the average full-time hours per week of the employees in each occupation and the number of employees whose full time came within specified classification limits. The working time is the hours on duty, including intervals of waiting for work. The full-time hours per week and the relatives based thereon do not in any way indicate the extent of unemployment. Employees may work overtime, broken time, or be laid off, or a temporary reduction may be made in working hours without such change affecting the full-time hours per week as presented in this bulletin.

The full-time weekly earnings tabulated are the earnings per week of employees working full time or the earnings on broken time reduced to equivalent earnings for a full week. In considering changes in full-time earnings per week notice should also be taken of changes in full-time hours of labor per week. A reduction in the hours of a

piecemaker may reduce his earnings in a week and leave his earnings per hour unchanged, while a reduction of hours for a week worker will, if his weekly rate remains the same, increase his rate per hour.

The averages of full-time hours per week, rates of wages per hour, and full-time weekly earnings are computed by adding the data for each individual employee and dividing the total by the number of employees.

It will be observed that the average full-time weekly earnings generally are not exactly the same as the result that would be obtained by multiplying the average rate per hour by the average hours per week, owing to the fact that hourly rates for individual employees are based on varying hours per week, which has the effect of changing the relative weighting of the wages of the several employees.

A hypothetical illustration shows the difference:

Employees.	Full-time hours per week.	Rates of wages per week.	Rates of wages per hour.
1.....	48	\$15.00	\$0.313
1.....	54	14.00	.259
1.....	54	16.00	.296
1.....	60	12.00	.200
Total.....	216	57.00	1.068
Average.....	54	14.25	.267

The product of \$0.267 multiplied by 54 is \$14.42, while the average earnings per week are \$14.25.

The method used in computing the relative or index numbers may best be explained by an illustration. Take the rates of wages per hour of bed-machine operators, for example:

	Number of identical establishments.	1910	1911	1912	1913	1914
Rates of wages per hour.....	35 54 65 60	\$0.311	\$0.323 .321	\$0.304 .300	\$0.330 .331	\$0.322
Relative rates of wages per hour computed therefrom.....		95	99	93	103	100
Rates of wages per hour in identical establishments covering 5 years.....	29	.313	.327	.303	.328	.333
Relative rates of wages per hour computed therefrom.....		94	98	91	98	100

The rate per hour for 1914 is taken as the base (100), then \$0.331 divided by \$0.322 equals 103, the relative for 1913. The ratio of 1912 to 1913 is \$0.300 to \$0.330. The relative for 1913, just determined (103), multiplied by \$0.300 and the result divided by \$0.330 equals 93, the relative for 1912. The ratio of 1911 to 1912 is \$0.321 to \$0.304. The relative for 1912 (93) multiplied by \$0.321 and the result divided

by \$0.304 equals 99, the relative for 1911. The ratio of 1910 to 1911 is \$0.311 to \$0.323. The relative for 1911 (99) multiplied by \$0.311 and the result divided by \$0.323 equals 95, the relative for 1910.

The method of computing relative numbers over a period of years, as illustrated above, is used because of the changes of establishments which occur.

Any method of computing a series of relative numbers should take into account changes in establishments from year to year, as changes naturally occur, some establishments discontinuing operations or ceasing to be representative and new establishments entering the field. The method explained above, bringing in the new establishments, has been followed in computing the relatives in this report. Otherwise no use could have been made in the relative or index of the data from the additional establishments obtained for the later years.

Of the 35 establishments in the above table reporting data for 1910 and 1911, 6 dropped out later and only 29 reported for the entire period. The average rates of wages per hour for the 29 establishments reporting for the entire period are shown also with relatives computed therefrom. As might be expected, these relatives differ from the relatives based on the greater number of establishments. Presumptively they are not as nearly representative as the relatives based on the greater number of establishments, but they are given here as an illustration of the difference shown by relatives based on different amounts of data.

A word of caution is given as to the use of relative numbers. The per cent of increase or decrease from one year to another is not the difference between the relative numbers for the years. Thus, as shown in the table on page 13, the full-time weekly earnings in this industry increased from 92 in 1910 to 100 in 1914, an increase of 8 in the relative for 1914 over the relative for 1910, which number is 9 per cent of 92, thus making an increase of 9 per cent in full-time earnings per week in 1914 over 1910.

The relative numbers for the industry as a whole, covering 1910 to 1914, are computed directly from the average hours of labor, rates of wages per hour, and weekly earnings of all employees in all occupations combined. In other words, the relatives for the industry have been computed in the same manner as the relatives for each occupation.

In this report figures are shown for 34 occupations. Hand and machine work on the same process are presented as separate occupations. The sex of employees is shown for each occupation. Of the 34 occupations tabulated, data are shown for males alone in 24 occupations, for females alone in 7 occupations, and for both males and females in 3 occupations.

On the next page the occupations for which data are shown are listed in alphabetical rather than process order under each department. The departments, however, are listed in process order.

For descriptions of the occupations the reader is referred to Bulletin No. 154 of this bureau.

Cutting department:

Cutters, vamp and whole shoe, hand
Cutters, vamp and whole shoe,
machine.

Skivers, upper, machine.

Sole-leather department:

Channelers, insole and outsole.
Cutters, outsole.

Fitting or stitching department:

Backstay stitchers.
Button fasteners.
Buttonhole makers.
Closers-on.
Lining makers.
Tip stitchers.
Top stitchers or undertrimmers.
Vampers.

Lasting department:

Assemblers, for pulling-over machine.
Bed-machine operators.
Hand-method lasting-machine operators.

Lasting department—Concluded.

Pullers-over, hand.
Pullers-over, machine.
Side lasters, hand.
Side lasters, machine.
Turn lasters, hand.

Bottoming department:

Buffers.
Edge setters.
Edge trimmers.
Goodyear stitchers.
Goodyear welters.
Heel breasters.
Heel burnishers.
Heelers.
Heel scourers.
Heel trimmers or shavers.
McKay sewers.
Rough rounders.

Finishing department:

Treers or ironers, hand.

In addition to the text tables already shown, 6 general tables are shown, as follows:

Table I.—Average rates of wages per hour, average full-time weekly earnings, and average and classified full-time hours per week in the United States, by years, 1907 to 1914.

Table II.—Average rates of wages per hour, average full-time weekly earnings, and average and classified full-time hours per week in each State, by years, 1913 and 1914.

Table III.—Average rates of wages per hour, average full-time weekly earnings, and average and classified full-time hours per week, by States, 1914.

Table IV.—Average full-time hours per week, and average and classified rates of wages per hour in each State, by years, 1913 and 1914.

Table V.—Average full-time hours per week and average and classified rates of wages per hour, by States, 1914.

Table VI.—Average full-time hours, average hours actually worked, and number of employees working each classified per cent of full time in one week, by States, 1914.

In Table I, in addition to actual data, percentages computed therefrom are given.

When available data for a State are sufficient to warrant presentation, such data are presented by States in Tables II, III, IV, V, and VI.

Tables I, III, V, and VI include data from some establishments from which information was obtained for 1914 only.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914.

[The figures set opposite each group of years are for identical establishments. When a second line is shown for 1914 it contains all data secured for 1914, whether or not comparable data were available for 1913.]

NUMBER.

Department, occupation, sex, and number of establish- ments.	Year.	Number of em- ploy- ees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Cutting Department.											
Cutters, vamp and whole shoe, hand, male:											
20 establishments.....	1907	919	54.9	\$0.325	(1)	11	157	343	252	156	.....
	1908	907	54.8	.332	(1)	6	175	331	283	112	.....
	1909	907	54.7	.340	(1)	14	159	346	286	102	.....
	1910	852	54.7	.345	(1)	13	176	278	291	94	.....
48 establishments.....	1910	1,650	56.0	.319	\$17.86	13	176	405	395	319	342
	1911	1,602	56.2	.317	17.75	14	158	425	398	311	296
64 establishments.....	1911	2,066	56.2	.313	17.50	.....	158	589	587	384	348
	1912	1,906	55.0	.322	17.63	217	162	720	272	323	212
71 establishments.....	1912	1,995	55.0	.322	17.58	242	162	738	297	336	220
	1913	1,987	54.5	.351	19.05	231	224	803	364	313	52
68 establishments.....	1913	1,923	54.5	.352	19.10	211	224	803	350	283	52
	1914	1,757	53.8	.368	19.70	354	308	405	476	183	31
75 establishments.....	1914	1,812	54.0	.366	19.66	354	318	405	477	203	55
Cutters, vamp and whole shoe, machine, male:											
17 establishments.....	1910	235	57.8	.301	17.23	.....	.....	13	70	98	54
	1911	226	57.2	.300	17.09	.....	.....	15	75	102	34
20 establishments.....	1911	270	57.0	.313	17.69	.....	.....	59	69	87	55
	1912	300	55.5	.319	17.54	29	24	113	.....	85	49
33 establishments.....	1912	490	55.8	.313	17.36	29	24	186	41	124	86
	1913	549	55.3	.323	17.77	32	27	213	117	121	39
35 establishments.....	1913	528	55.5	.322	17.70	29	27	178	129	126	39
	1914	568	55.1	.328	17.96	58	20	133	228	124	5
40 establishments.....	1914	642	55.3	.325	17.93	58	20	142	260	157	5
Skivers, upper, machine, male:											
12 establishments.....	1910	74	54.7	.288	15.80	.....	.....	49	13	12	.....
	1911	79	54.7	.314	17.15	.....	.....	52	21	6	.....
28 establishments.....	1911	136	54.8	.292	15.98	.....	.....	92	24	20	.....
	1912	146	54.6	.289	15.73	.....	10	100	11	24	1
32 establishments.....	1912	156	54.7	.282	15.41	.....	10	105	11	29	1
	1913	134	54.5	.299	16.23	.....	11	87	24	12	.....
22 establishments.....	1913	123	54.3	.300	16.26	.....	11	87	19	6	.....
	1914	107	54.2	.304	16.47	.....	10	75	19	3	.....
29 establishments.....	1914	116	54.4	.299	16.13	.....	10	75	24	7	.....

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

NUMBER—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Number of em- ploy- ees.	Average full- time hours per week.	Average rate of wages per hour.	Average full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Cutting Department—Concl'd.											
Skivers, upper, machine, female: 13 establishments.....	1907	74	56.1	\$0.188	(1)			8	37	29	
	1908	70	56.5	.192	(1)			7	27	36	
	1909	79	56.3	.191	(1)			11	31	37	
	1910	85	56.0	.195	(1)			8	35	42	
49 establishments.....	1910	338	57.0	.175	\$9.94	1	30	40	81	86	100
	1911	314	57.3	.176	9.97	2	25	25	84	94	84
60 establishments.....	1911	374	57.0	.176	9.97		25	33	113	108	95
	1912	345	55.1	.191	10.34	9	26	158	50	91	11
67 establishments.....	1912	371	55.0	.193	10.58	9	26	179	59	87	11
	1913	439	54.6	.209	11.38	12	32	231	104	60	
65 establishments.....	1913	439	54.6	.207	11.29	12	32	227	110	58	
	1914	402	54.0	.211	11.35	26	64	192	99	21	
77 establishments.....	1914	446	54.1	.209	11.30	26	64	211	117	23	
Sole-leather Department.											
Channelers, insole and outsole, male: 10 establishments.....	1907	23	55.1	.283	(1)	4		8	2	9	
	1908	23	55.1	.296	(1)	4		8	2	9	
	1909	23	54.7	.306	(1)	4		10	2	7	
	1910	23	54.7	.300	(1)	4		10	2	7	
	1911	140	56.2	.306	17.12	4	7	37	31	48	13
44 establishments.....	1910	138	56.3	.296	16.61	4	7	39	22	48	18
	1911	140	56.2	.306	17.12	4	7	37	31	48	13
57 establishments.....	1911	157	56.3	.289	16.21		7	46	38	45	21
	1912	149	55.5	.296	16.35		12	61	30	39	7
75 establishments.....	1912	200	55.9	.298	16.62		12	63	52	57	16
	1913	196	55.4	.333	18.42		17	71	59	44	5
69 establishments.....	1913	190	55.4	.335	18.48		17	70	56	40	7
	1914	194	55.0	.337	18.51	3	26	48	84	29	4
77 establishments.....	1914	213	55.2	.331	18.24	6	26	48	89	36	8
Cutters, outsole, male: 10 establishments.....	1907	50	54.8	.314	(1)			38	5	7	
	1908	47	54.5	.308	(1)			35	10	2	
	1909	49	54.5	.307	(1)			37	10	2	
	1910	54	54.4	.309	(1)			42	10	2	
	1911	143	56.6	.274	15.44			48	29	46	20
31 establishments.....	1911	129	56.5	.277	15.62			40	34	39	16
	1912	161	56.4	.286	16.09		2	56	43	48	21
36 establishments.....	1911	146	56.6	.278	15.70			43	43	39	21
	1912	161	56.4	.286	16.09		2	56	43	48	21
42 establishments.....	1912	177	56.2	.281	15.75		2	66	39	49	21
	1913	196	55.4	.303	16.69		16	83	46	51	
38 establishments.....	1913	186	55.2	.304	16.75		16	83	42	45	
	1914	175	54.8	.313	17.12	2	9	88	58	10	8
47 establishments.....	1914	225	55.0	.302	16.64	2	9	89	97	17	11

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

NUMBER—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Fitting or Stitching Depart- ment.											
Backstay stitchers, female:											
16 establishments.....	1907	81	56.6	\$0.171	(1)	.....	.....	15	18	48	.....
	1908	78	56.5	.186	(1)	.....	.....	13	23	42	.....
	1909	91	56.3	.177	(1)	.....	.....	21	25	45	.....
	1910	95	56.2	.179	(1)	.....	.....	16	25	54	.....
49 establishments.....	1910	307	56.6	.177	\$9.95	1	32	35	88	84	67
	1911	299	56.6	.180	10.16	1	28	36	79	99	56
67 establishments.....	1911	392	56.5	.185	10.42	.....	28	69	110	121	64
	1912	378	55.2	.189	10.42	11	8	203	41	97	18
78 establishments.....	1912	426	55.1	.187	10.31	12	8	231	48	109	18
	1913	389	54.7	.195	10.62	11	12	208	114	44	.....
73 establishments.....	1913	379	54.6	.192	10.49	11	12	206	112	38	.....
	1914	399	54.2	.196	10.59	13	39	227	104	16	.....
82 establishments.....	1914	432	54.3	.197	10.68	13	39	250	106	24	.....
Button fasteners, female:											
26 establishments.....	1911	55	56.4	.157	8.88	.....	5	9	12	26	3
	1912	70	55.9	.183	10.21	.....	6	28	2	34	.....
72 establishments.....	1912	205	55.3	.177	9.78	3	15	101	19	58	9
	1913	232	54.8	.199	10.95	10	17	127	22	56	.....
66 establishments.....	1913	221	54.7	.196	10.70	10	18	126	21	46	.....
	1914	198	53.7	.197	10.57	18	40	105	26	9	.....
74 establishments.....	1914	208	53.8	.200	10.78	18	40	108	29	13	.....
Buttonhole makers, female:											
33 establishments.....	1911	108	56.3	.176	9.83	.....	2	29	23	48	6
	1912	168	55.4	.180	9.96	.....	17	79	8	64	.....
74 establishments.....	1912	468	55.1	.180	9.87	12	27	257	41	111	20
	1913	517	54.7	.194	10.60	6	41	306	70	94	.....
71 establishments.....	1913	489	54.6	.192	10.50	6	41	302	69	71	.....
	1914	477	53.8	.200	10.76	46	99	231	70	31	.....
80 establishments.....	1914	506	53.9	.198	10.70	46	99	249	73	39	.....
Closers-on, female:											
18 establishments.....	1907	104	55.3	.200	(1)	.....	17	25	34	28	.....
	1908	100	55.1	.190	(1)	.....	20	21	41	18	.....
	1909	101	55.1	.207	(1)	.....	19	19	45	18	.....
	1910	95	55.0	.198	(1)	.....	23	19	34	19	.....
49 establishments.....	1910	262	57.1	.178	10.13	1	23	34	57	60	87
	1911	277	57.1	.178	10.09	1	5	36	89	72	74
65 establishments.....	1911	350	56.9	.180	10.18	.....	5	62	108	88	87
	1912	331	54.9	.187	10.21	15	16	178	36	71	15
74 establishments.....	1912	344	55.0	.186	10.17	15	16	182	40	76	15
	1913	349	54.4	.194	10.53	18	17	206	73	35	.....
69 establishments.....	1913	337	54.4	.191	10.39	14	17	203	73	30	.....
	1914	325	53.8	.193	10.36	28	54	170	63	10	.....
77 establishments.....	1914	347	53.9	.193	10.42	23	54	183	63	14	.....

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

NUMBER—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Number of em- ploy- ees.	Aver- age full-time hours per week.	Aver- age rate of wages per hour.	Aver- age full-time week- ly ear- nings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Fitting or Stitching Department—Continued.											
Lining makers, female:											
19 establishments.....	1907	124	56.2	\$0.175	(1)	-----	-----	24	44	56	-----
	1908	112	56.1	.165	(1)	-----	-----	24	42	46	-----
	1909	122	56.0	.173	(1)	-----	-----	28	46	48	-----
	1910	154	55.9	.163	(1)	-----	-----	33	55	66	-----
53 establishments.....	1910	585	56.5	.164	\$9.19	2	88	76	145	141	133
	1911	576	56.5	.162	9.08	3	81	75	162	154	101
72 establishments.....	1911	721	56.5	.166	9.28	-----	81	136	190	189	125
	1912	706	55.0	.171	9.36	21	39	373	85	161	27
80 establishments.....	1912	764	55.0	.170	9.31	21	39	391	98	188	27
	1913	854	54.6	.190	10.38	29	47	469	199	110	-----
76 establishments.....	1913	833	54.5	.190	10.31	29	47	457	199	101	-----
	1914	804	53.9	.188	10.15	52	134	409	177	32	-----
84 establishments.....	1914	852	54.1	.189	10.21	52	134	436	180	50	-----
Tip stitchers, female:											
36 establishments.....	1911	134	55.8	.205	11.38	-----	10	38	32	49	5
	1912	137	55.2	.216	11.87	-----	12	68	17	40	-----
79 establishments.....	1912	335	54.9	.208	11.36	10	17	186	48	68	6
	1913	337	54.7	.219	11.94	10	27	175	78	47	-----
75 establishments.....	1913	329	54.6	.218	11.91	10	27	171	79	42	-----
	1914	328	54.1	.218	11.82	10	47	182	75	14	-----
83 establishments.....	1914	348	54.2	.219	11.87	10	47	195	77	19	-----
Top stitchers or undertrim- mers, female:											
17 establishments.....	1907	151	56.3	.185	(1)	-----	-----	30	45	76	-----
	1908	144	56.3	.190	(1)	-----	-----	31	41	72	-----
	1909	156	56.3	.196	(1)	-----	-----	31	47	78	-----
	1910	164	56.0	.200	(1)	-----	-----	32	49	83	-----
53 establishments.....	1910	721	56.9	.188	10.69	3	64	111	148	192	203
	1911	742	56.8	.192	10.83	4	63	109	169	232	165
73 establishments.....	1911	911	56.7	.194	10.95	-----	63	183	212	268	135
	1912	950	54.9	.198	10.82	29	81	521	80	212	27
82 establishments.....	1912	1,033	54.9	.198	10.81	29	81	572	96	228	27
	1913	1,070	54.6	.210	11.47	25	96	573	237	139	-----
77 establishments.....	1913	1,033	54.5	.211	11.46	25	96	558	237	117	-----
	1914	1,005	54.1	.211	11.39	52	156	524	225	48	-----
86 establishments.....	1914	1,076	54.2	.212	11.48	52	156	571	230	67	-----
Vampers, male:											
13 establishments.....	1907	167	54.9	.318	(1)	-----	7	119	9	32	-----
	1908	99	55.2	.287	(1)	-----	13	41	15	25	-----
	1909	150	54.6	.287	(1)	-----	58	51	21	20	-----
	1910	134	54.5	.294	(1)	-----	48	46	18	22	-----
33 establishments.....	1910	263	55.5	.293	16.24	-----	48	67	63	57	28
	1911	249	55.7	.303	16.88	-----	21	69	81	53	25
51 establishments.....	1911	343	55.5	.315	17.42	-----	21	138	94	61	29
	1912	435	54.9	.310	16.97	15	56	199	57	93	15

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

NUMBER—Continued.

Department, occupation, sex, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Fitting or Stitching Department—Concluded.											
Vampers, male—Concluded.											
66 establishments.....	1912	483	55.0	\$0.306	\$16.76	15	56	215	67	112	18
	1913	554	54.8	.320	17.47	12	74	227	164	72	5
57 establishments.....	1913	531	54.7	.320	17.44	12	74	225	153	62	5
	1914	515	54.5	.315	17.13	6	89	195	187	36	2
65 establishments.....	1914	534	54.6	.312	17.04	6	91	195	189	46	7
Vampers, female:											
22 establishments.....	1907	351	55.7	.246	(¹)	4	54	56	105	132	.....
	1908	321	55.9	.242	(¹)	3	18	60	119	121	.....
	1909	391	55.5	.253	(¹)	5	77	66	123	120	.....
	1910	366	55.5	.257	(¹)	6	39	67	129	125	.....
53 establishments.....	1910	863	56.9	.238	13.46	20	39	125	206	241	232
	1911	909	56.7	.238	13.43	26	45	138	229	268	203
71 establishments.....	1911	1,124	56.5	.238	13.46	21	45	191	291	315	261
	1912	1,019	55.1	.233	12.84	15	66	546	107	237	48
79 establishments.....	1912	1,088	55.1	.231	12.68	15	66	575	121	263	48
	1913	1,072	54.7	.246	13.45	14	72	620	216	150	.....
77 establishments.....	1913	1,052	54.6	.246	13.40	14	72	620	216	130	.....
	1914	1,037	53.9	.244	13.13	80	181	513	209	54	.....
85 establishments.....	1914	1,116	54.1	.243	13.14	80	181	564	218	73	.....
Lasting Department.											
Assemblers, for pulling-over machine, male:											
17 establishments.....	1911	218	55.4	.274	15.14	.....	.....	93	69	49	7
	1912	228	54.8	.265	14.45	31	.....	102	37	47	11
50 establishments.....	1912	542	55.8	.238	13.21	31	26	174	96	131	84
	1913	532	55.5	.261	14.46	14	31	201	134	121	31
54 establishments.....	1913	597	55.4	.272	15.01	14	31	245	160	116	31
	1914	646	55.2	.281	15.45	44	50	188	204	146	14
64 establishments.....	1914	708	55.3	.279	15.37	44	50	188	232	170	24
Bed-machine operators, male:											
15 establishments.....	1907	246	54.7	.350	(¹)	.....	54	126	22	44	.....
	1908	300	54.8	.334	(¹)	.....	23	194	31	52	.....
	1909	307	54.8	.342	(¹)	.....	31	189	34	53	.....
	1910	300	55.0	.321	(¹)	.....	15	169	36	80	.....
35 establishments.....	1910	513	56.4	.311	17.50	.....	15	169	77	153	99
	1911	568	56.1	.323	18.09	.....	26	172	159	113	98
54 establishments.....	1911	793	56.1	.321	17.96	.....	26	263	201	183	120
	1912	1,004	55.5	.304	16.88	.....	99	438	151	218	98
65 establishments.....	1912	1,127	55.6	.300	16.67	.....	99	446	216	246	120
	1913	1,220	55.2	.330	18.21	.....	123	502	354	200	41
60 establishments.....	1913	1,185	55.1	.331	18.21	.....	123	501	343	177	41
	1914	1,117	54.9	.322	17.68	.....	172	357	432	136	20
70 establishments.....	1914	1,173	55.1	.321	17.68	.....	172	357	443	167	34

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

NUMBER—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Lasting Department—Concl'd.											
Hand-method lasting-ma- chine operators, male:											
6 establishments.....	1907	99	57.1	\$0.311	(1)	-----	-----	-----	39	60	-----
	1908	89	56.6	.307	(1)	-----	-----	-----	48	41	-----
	1909	75	56.7	.309	(1)	-----	-----	-----	39	36	-----
	1910	80	56.1	.322	(1)	-----	-----	-----	51	29	-----
33 establishments.....	1910	325	57.4	.306	\$17.49	4	-----	39	90	86	106
	1911	352	57.3	.309	17.65	5	-----	45	94	107	101
39 establishments.....	1911	477	57.0	.316	17.96	-----	-----	94	137	112	134
	1912	478	55.8	.324	18.03	26	-----	184	86	97	85
41 establishments.....	1912	456	55.7	.325	18.05	26	-----	167	102	83	78
	1913	449	55.3	.357	19.72	13	-----	200	144	66	26
35 establishments.....	1913	402	55.2	.355	19.58	13	-----	177	135	51	26
	1914	418	55.2	.349	19.20	43	-----	66	214	84	11
41 establishments.....	1914	456	55.5	.348	19.25	43	-----	66	218	117	12
Pullers-over, hand, male:											
13 establishments.....	1907	345	56.6	.256	(1)	-----	-----	77	73	195	-----
	1908	330	56.6	.249	(1)	-----	-----	74	63	193	-----
	1909	366	56.2	.287	(1)	-----	-----	111	82	173	-----
	1910	384	55.9	.276	(1)	-----	-----	105	99	180	-----
35 establishments.....	1910	784	56.4	.291	16.38	5	19	207	178	228	147
	1911	734	56.2	.309	17.28	7	27	204	206	234	106
45 establishments.....	1911	897	56.3	.312	17.50	-----	27	263	234	219	154
	1912	899	55.4	.319	17.62	24	111	297	188	212	67
52 establishments.....	1912	1,036	55.3	.316	17.41	24	111	343	287	195	76
	1913	937	55.3	.333	18.37	-----	65	342	332	190	8
47 establishments.....	1913	907	55.1	.334	18.42	-----	65	354	323	157	8
	1914	729	54.9	.350	19.24	2	60	212	368	82	5
49 establishments.....	1914	749	54.9	.350	19.21	2	60	228	368	86	5
Pullers-over, machine, male:											
31 establishments.....	1910	251	57.4	.320	18.37	-----	-----	50	36	85	80
	1911	266	56.5	.319	17.95	-----	-----	77	91	47	51
43 establishments.....	1911	328	56.1	.325	18.18	-----	-----	110	120	52	46
	1912	305	55.6	.312	17.31	15	34	113	43	47	53
60 establishments.....	1912	402	55.8	.312	17.39	7	34	148	64	82	67
	1913	421	55.4	.351	19.42	5	19	183	107	82	25
59 establishments.....	1913	421	55.4	.352	19.45	5	19	183	112	77	25
	1914	396	55.3	.360	19.87	16	26	108	155	81	10
71 establishments.....	1914	443	55.5	.356	19.66	16	30	108	171	100	18
Side lasters, hand, male:											
20 establishments.....	1913	224	54.2	.303	16.40	-----	96	60	54	14	-----
	1914	237	54.0	.308	16.59	-----	119	44	63	10	1
Side lasters, machine, male:											
16 establishments.....	1913	155	56.1	.323	18.23	-----	-----	63	34	52	6
	1914	167	54.3	.343	18.54	31	-----	58	53	18	7
Turn lasters, hand, male:											
28 establishments.....	1912	452	55.6	.275	15.25	-----	106	56	74	127	89
	1913	524	55.0	.310	17.00	-----	140	122	89	149	24
26 establishments.....	1913	499	55.0	.307	16.81	-----	140	122	64	149	24
	1914	630	54.4	.322	17.45	86	95	69	297	53	30
31 establishments.....	1914	689	54.4	.324	17.56	86	110	69	335	56	33

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

NUMBER—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Bottoming Department.											
Buffers, male:											
36 establishments.....	1911	174	55.8	\$0.294	\$16.37	.....	5	51	49	67	2
	1912	170	55.8	.307	17.06	.....	5	52	48	58	7
72 establishments.....	1912	338	56.0	.289	16.09	.....	21	107	67	105	38
	1913	354	55.3	.319	17.57	.....	23	123	134	57	17
72 establishments.....	1913	358	55.3	.318	17.52	.....	23	126	132	60	17
	1914	370	55.2	.310	17.06	14	33	75	181	59	8
81 establishments.....	1914	396	55.3	.309	17.05	14	33	75	192	70	12
Edge setters, male:											
18 establishments.....	1907	134	56.0	.400	(1)	.....	.....	31	50	53	.....
	1908	142	56.2	.351	(1)	.....	.....	29	48	65	.....
	1909	150	56.1	.381	(1)	.....	.....	35	53	62	.....
	1910	163	55.9	.385	(1)	.....	.....	34	58	71	.....
54 establishments.....	1910	560	56.3	.373	20.94	3	72	97	142	146	100
	1911	573	56.3	.380	21.31	4	60	113	148	147	101
68 establishments.....	1911	722	56.3	.380	21.29	.....	60	191	170	177	124
	1912	698	55.8	.389	21.63	.....	52	257	149	142	98
78 establishments.....	1912	789	55.8	.379	21.05	.....	52	273	190	171	103
	1913	815	55.3	.413	22.78	.....	64	300	276	148	27
77 establishments.....	1913	826	55.3	.411	22.70	.....	64	300	276	159	27
	1914	827	55.1	.410	22.54	20	109	187	366	127	18
86 establishments.....	1914	872	55.2	.410	22.54	28	109	187	374	149	25
Edge trimmers, male:											
23 establishments.....	1907	283	55.3	.404	(1)	.....	46	93	67	77	.....
	1908	302	55.1	.386	(1)	.....	48	113	79	82	.....
	1909	287	55.2	.397	(1)	.....	46	93	83	65	.....
	1910	305	55.0	.401	(1)	.....	58	97	83	67	.....
55 establishments.....	1910	573	56.4	.382	21.44	3	58	117	137	137	121
	1911	615	56.2	.390	21.80	4	55	139	175	140	102
71 establishments.....	1911	765	56.1	.389	21.73	.....	55	220	200	174	116
	1912	751	55.9	.386	21.48	.....	51	264	146	192	98
81 establishments.....	1912	827	55.9	.380	21.15	.....	51	285	176	214	101
	1913	838	55.4	.410	22.66	.....	49	314	285	160	30
77 establishments.....	1913	815	55.3	.411	22.66	.....	49	314	282	140	30
	1914	839	55.0	.404	22.18	19	100	220	363	122	15
85 establishments.....	1914	886	55.1	.400	22.01	19	100	220	384	142	21
Goodyear stitchers, male:											
21 establishments.....	1907	215	55.3	.403	(1)	.....	23	93	45	54	.....
	1908	214	55.1	.376	(1)	.....	21	92	59	42	.....
	1909	221	55.3	.394	(1)	.....	26	76	66	53	.....
	1910	224	55.2	.388	(1)	.....	21	77	70	56	.....
45 establishments.....	1910	366	56.3	.374	20.97	3	21	88	96	89	69
	1911	398	56.0	.388	21.65	3	28	106	118	81	62
61 establishments.....	1911	529	55.9	.387	21.56	.....	28	184	133	110	74
	1912	562	55.9	.385	21.40	.....	38	221	103	105	95

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

NUMBER—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Bottoming Department—Contd.											
Goodyear stitchers, male—Con- cluded.											
70 establishments.....	1912	627	55.9	\$0.376	\$20.96	.....	38	232	125	128	104
	1913	642	55.2	.399	21.96	.....	60	267	184	119	12
67 establishments.....	1913	633	55.1	.398	21.87	.....	60	267	185	109	12
	1914	569	54.9	.413	22.65	.....	73	190	231	68	7
74 establishments.....	1914	594	55.1	.410	22.57	.....	73	190	232	80	13
Goodyear welters, male:											
14 establishments.....	1907	67	55.9	.409	(¹)	.....	.....	22	19	23	.....
	1908	70	56.0	.409	(¹)	.....	.....	23	18	23	.....
	1909	74	55.7	.444	(¹)	.....	.....	27	21	26	.....
	1910	81	55.6	.422	(¹)	.....	.....	29	20	32	.....
45 establishments.....	1910	275	56.2	.437	24.49	2	19	79	62	61	52
	1911	289	56.0	.464	25.88	2	27	78	79	52	51
60 establishments.....	1911	392	56.0	.452	25.21	.....	27	132	93	77	63
	1912	411	55.8	.454	25.27	.....	40	162	68	84	57
70 establishments.....	1912	466	55.8	.445	24.75	.....	40	177	91	98	60
	1913	472	55.3	.501	27.60	.....	44	188	139	85	16
66 establishments.....	1913	458	55.2	.503	27.71	.....	44	188	136	74	16
	1914	418	55.0	.508	27.90	.....	48	145	167	52	6
74 establishments.....	1914	439	55.2	.503	27.68	.....	48	145	169	66	11
Heel breasters, male:											
35 establishments.....	1911	76	56.1	.291	16.23	.....	2	20	20	31	3
	1912	77	55.7	.302	16.74	.....	8	23	19	23	4
75 establishments.....	1912	163	55.9	.295	16.36	.....	16	48	38	40	21
	1913	171	55.4	.313	17.27	.....	17	57	56	34	7
73 establishments.....	1913	167	55.4	.310	17.10	.....	17	57	54	32	7
	1914	161	55.2	.306	16.81	3	20	35	73	27	3
82 establishments.....	1914	173	55.3	.303	16.71	3	20	35	78	33	4
Heel burnishers, male:											
33 establishments.....	1911	106	55.6	.306	16.97	.....	2	42	27	34	1
	1912	108	55.4	.313	17.31	.....	5	45	25	30	3
74 establishments.....	1912	254	56.1	.292	16.31	.....	13	84	57	63	37
	1913	268	55.4	.313	17.29	.....	15	108	83	51	11
75 establishments.....	1913	280	55.5	.317	17.54	.....	15	108	90	56	11
	1914	261	55.3	.323	17.85	4	26	59	118	46	8
84 establishments.....	1914	283	55.5	.322	17.86	4	26	59	123	59	12
Heelers, male:											
31 establishments.....	1911	115	55.8	.403	22.52	.....	10	33	26	44	2
	1912	124	55.7	.391	21.71	.....	8	46	25	39	6
67 establishments.....	1912	254	56.2	.378	21.17	.....	9	87	49	69	40
	1913	269	55.4	.424	23.41	.....	12	114	83	52	8
72 establishments.....	1913	291	55.3	.424	23.32	.....	21	121	87	54	8
	1914	293	55.1	.400	21.98	7	38	70	120	48	10
84 establishments.....	1914	324	55.3	.402	22.18	7	38	73	131	61	14

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

NUMBER—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of employ- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Bottoming Department—Contd.											
Heel scourers, male:											
35 establishments.....	1911	125	54.8	\$0.291	\$16.12	.....	7	44	30	42	2
	1912	154	55.5	.294	16.25	.....	15	59	24	52	4
78 establishments.....	1912	342	56.0	.289	16.09	.....	20	116	67	89	50
	1913	364	55.4	.314	17.35	.....	36	123	122	66	17
76 establishments.....	1913	360	55.4	.313	17.29	.....	36	123	121	63	17
	1914	345	55.2	.312	17.18	7	44	78	151	57	8
84 establishments.....	1914	372	55.3	.310	17.10	7	44	78	161	68	14
Heel trimmers or shavers, male:											
23 establishments.....	1907	99	55.1	.438	(1)	.....	25	24	29	21	.....
	1908	84	55.2	.439	(1)	.....	15	22	29	18	.....
	1909	82	55.3	.447	(1)	.....	12	22	28	20	.....
	1910	91	55.2	.443	(1)	.....	17	21	31	22	.....
55 establishments.....	1910	189	56.6	.410	23.03	1	17	27	54	50	40
	1911	193	56.5	.415	23.34	1	16	29	59	52	36
71 establishments.....	1911	246	56.5	.415	23.32	.....	16	47	80	60	43
	1912	239	56.0	.415	23.10	.....	18	70	56	63	32
81 establishments.....	1912	252	56.0	.420	23.39	.....	18	75	61	66	32
	1913	277	55.4	.448	24.74	.....	30	90	91	59	7
77 establishments.....	1913	271	55.3	.443	24.46	.....	30	90	89	55	7
	1914	262	55.1	.439	24.14	6	37	51	123	40	5
85 establishments.....	1914	277	55.2	.433	23.88	6	37	51	127	47	9
McKay sewers, male:											
5 establishments.....	1907	34	55.2	.288	(1)	.....	14	.....	11	9	.....
	1908	25	55.3	.311	(1)	.....	9	.....	9	7	.....
	1909	28	55.7	.274	(1)	.....	9	.....	8	11	.....
	1910	26	55.2	.279	(1)	.....	10	.....	7	9	.....
28 establishments.....	1910	95	57.1	.290	16.46	1	10	5	24	30	25
	1911	107	56.7	.290	16.35	1	13	7	29	43	14
30 establishments.....	1911	129	56.5	.296	16.63	.....	13	9	49	43	15
	1912	128	56.3	.285	16.10	.....	3	24	40	50	11
32 establishments.....	1912	131	56.1	.286	16.00	.....	3	26	42	52	8
	1913	136	55.6	.319	17.70	.....	5	35	62	30	4
32 establishments.....	1913	128	55.5	.319	17.68	.....	5	35	63	21	4
	1914	130	55.5	.343	19.00	8	7	6	74	31	4
39 establishments.....	1914	147	55.7	.338	18.77	8	7	6	83	36	7
Rough rounders, male:											
15 establishments.....	1907	48	56.0	.387	(1)	.....	.....	13	15	20	.....
	1908	49	56.0	.368	(1)	.....	.....	13	16	20	.....
	1909	54	55.8	.434	(1)	.....	.....	18	16	20	.....
	1910	56	55.5	.411	(1)	.....	.....	19	16	21	.....
44 establishments.....	1910	165	56.7	.406	22.85	1	.....	41	40	44	39
	1911	167	56.5	.438	24.56	1	.....	39	59	33	35
60 establishments.....	1911	221	56.3	.436	24.44	.....	2	65	68	43	43
	1912	248	55.9	.439	24.41	.....	23	88	50	50	37

1 Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

NUMBER—Concluded.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Bottoming Department— Concluded.											
Rough rounders, male—Concl'd.											
69 establishments.....	1912	273	55.9	\$0.435	\$24.21	.....	23	93	60	56	41
	1913	265	55.2	.497	27.37	.....	27	99	84	47	8
67 establishments.....	1913	261	55.2	.497	27.35	.....	27	99	83	44	8
	1914	240	54.9	.506	27.74	.....	34	73	102	26	5
73 establishments.....	1914	252	55.1	.503	27.64	.....	34	73	102	34	9
Finishing Department.											
Treers or ironers, hand, male:											
17 establishments.....	1907	381	54.7	.305	(1)	.....	107	153	72	49	.....
	1908	364	54.5	.294	(1)	.....	107	132	102	23	.....
	1909	377	54.6	.293	(1)	.....	105	124	113	35	.....
	1910	444	54.5	.288	(1)	.....	173	110	114	47	.....
44 establishments.....	1910	832	55.9	.259	14.42	.....	173	140	225	150	144
	1911	786	56.1	.260	14.50	.....	100	156	250	141	139
63 establishments.....	1911	1,006	56.0	.267	14.84	.....	100	265	311	181	149
	1912	1,076	55.9	.262	14.57	.....	115	334	239	239	149
73 establishments.....	1912	1,143	55.8	.266	14.76	.....	115	385	263	220	160
	1913	1,110	55.3	.282	15.54	.....	125	407	319	220	39
70 establishments.....	1913	1,100	55.3	.282	15.54	.....	125	410	321	205	39
	1914	1,109	55.1	.281	15.45	.....	156	327	433	170	23
80 establishments.....	1914	1,204	55.3	.279	15.38	.....	163	327	462	214	38
Treers or ironers, hand, female:											
8 establishments.....	1910	74	57.8	.143	8.19	.....	.....	22	.....	32	20
	1911	70	57.7	.144	8.21	.....	.....	23	.....	25	22
11 establishments.....	1911	85	58.1	.145	8.32	.....	.....	23	.....	25	37
	1912	105	54.3	.154	8.35	.....	11	67	13	14	.....
13 establishments.....	1912	108	54.4	.153	8.32	.....	11	67	13	17	.....
	1913	110	54.6	.158	8.56	.....	20	61	.....	29	.....
12 establishments.....	1913	110	54.6	.158	8.56	.....	20	61	.....	29	.....
	1914	112	52.2	.174	9.06	41	40	24	7	.....	.....
18 establishments.....	1914	123	52.3	.175	9.12	41	40	33	9	.....	.....

PER CENT.

Cutting Department.											
Cutters, vamp and whole shoe, hand, male:											
20 establishments.....	1907	919	54.9	\$0.325	(1)	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.
	1908	907	54.8	.332	(1)	1	17	37	27	17	.....
	1909	907	54.7	.340	(1)	1	19	36	31	12	.....
	1910	852	54.7	.345	(1)	2	18	38	32	11	.....
						2	21	33	34	11	.....
48 establishments.....	1910	1,650	56.3	.319	\$17.86	1	11	25	24	19	21
	1911	1,602	56.2	.317	17.75	1	10	27	25	19	18
64 establishments.....	1911	2,066	56.2	.313	17.50	.....	8	29	28	19	17
	1912	1,906	55.0	.322	17.63	11	9	38	14	17	11

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

PER CENT—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Cutting Department—Concl'd.											
Cutters, vamp and whole shoe, hand, male—Concluded.											
71 establishments.....	1912	1,995	55.0	\$0.322	\$17.58	P.ct. 12	P.ct. 8	P.ct. 37	P.ct. 15	P.ct. 17	P.ct. 11
	1913	1,987	54.5	.351	19.05	12	11	40	18	16	3
68 establishments.....	1913	1,923	54.5	.352	19.10	11	12	42	18	15	3
	1914	1,757	53.8	.368	19.70	20	18	23	27	10	2
75 establishments.....	1914	1,812	54.0	.366	19.66	20	18	22	26	11	3
Cutters, vamp and whole shoe, machine, male:											
17 establishments.....	1910	235	57.8	.301	17.23	-----	-----	6	30	42	23
	1911	226	57.2	.300	17.09	-----	-----	7	33	45	15
20 establishments.....	1911	270	57.0	.313	17.69	-----	-----	22	26	32	20
	1912	300	55.5	.319	17.54	10	8	38	-----	28	16
33 establishments.....	1912	490	55.8	.313	17.36	6	5	38	8	25	18
	1913	549	55.3	.323	17.77	6	5	39	21	22	7
35 establishments.....	1913	528	55.5	.322	17.70	5	5	34	24	24	7
	1914	568	55.1	.328	17.96	10	4	23	40	22	1
40 establishments.....	1914	642	55.3	.325	17.93	9	3	22	40	24	1
Skivers, upper, machine, male:											
12 establishments.....	1910	74	54.7	.288	15.80	-----	-----	66	18	16	-----
	1911	79	54.7	.314	17.15	-----	-----	66	27	8	-----
28 establishments.....	1911	136	54.8	.292	15.98	-----	-----	66	18	15	-----
	1912	146	54.6	.289	15.73	-----	7	68	8	16	1
32 establishments.....	1912	156	54.7	.282	15.41	-----	6	67	7	19	1
	1913	134	54.5	.299	16.23	-----	8	65	18	9	-----
22 establishments.....	1913	123	54.3	.300	16.26	-----	9	71	15	5	-----
	1914	107	54.2	.304	16.47	-----	9	70	18	3	-----
29 establishments.....	1914	116	54.4	.299	16.13	-----	9	65	21	6	-----
Skivers, upper, machine, female:											
13 establishments.....	1907	74	56.1	.188	(¹)	-----	-----	11	50	39	-----
	1908	70	56.5	.192	(¹)	-----	-----	10	39	51	-----
	1909	79	56.3	.191	(¹)	-----	-----	14	39	47	-----
	1910	85	56.0	.195	(¹)	-----	-----	9	41	49	-----
49 establishments.....	1910	338	57.0	.175	9.94	(²)	9	12	24	25	30
	1911	314	57.3	.176	9.97	1	8	8	27	30	27
60 establishments.....	1911	374	57.0	.176	9.97	-----	7	9	30	29	25
	1912	345	55.1	.191	10.54	3	8	46	14	23	3
67 establishments.....	1912	371	55.0	.193	10.58	2	7	48	16	23	3
	1913	439	54.6	.209	11.38	3	7	53	24	14	-----
65 establishments.....	1913	439	54.6	.207	11.29	3	7	52	25	13	-----
	1914	402	54.0	.211	11.35	6	16	48	25	5	-----
77 establishments.....	1914	446	54.1	.209	11.30	6	14	47	26	6	-----

¹ Not computed.² Less than 1 per cent.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

PER CENT—Continued.

Department, occupation, sex, and number of establishments.	Year.	Number of employ-ees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Sole-leather Department.											
Channelers, insole and outsole, male:						<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>
10 establishments.....	1907	23	55.1	\$0.283	(1)	17	.....	35	9	39	.....
	1908	23	55.1	.296	(1)	17	.....	35	9	39	.....
	1909	23	54.7	.306	(1)	17	.....	43	9	30	.....
	1910	23	54.7	.300	(1)	17	.....	43	9	30	.....
44 establishments.....	1910	138	56.3	.296	\$16.61	3	5	28	16	35	13
	1911	140	56.2	.306	17.12	3	5	26	22	34	9
57 establishments.....	1911	157	56.3	.289	16.21	.....	4	29	24	29	13
	1912	149	55.5	.296	16.35	.....	8	41	20	26	5
75 establishments.....	1912	200	55.9	.298	16.62	.....	6	32	26	29	8
	1913	196	55.4	.333	18.42	.....	9	36	30	22	3
69 establishments.....	1913	190	55.4	.335	18.48	.....	9	37	29	21	4
	1914	194	55.0	.337	18.51	2	13	25	43	15	2
77 establishments.....	1914	213	55.2	.331	18.24	3	12	23	42	17	4
Cutters, outsole, male:											
10 establishments.....	1907	50	54.8	.314	(1)	.....	.....	76	10	14	.....
	1908	47	54.5	.308	(1)	.....	.....	74	21	4	.....
	1909	49	54.5	.307	(1)	.....	.....	76	20	4	.....
	1910	54	54.4	.309	(1)	.....	.....	78	19	4	.....
31 establishments.....	1910	143	56.6	.274	15.44	.....	.....	34	20	32	14
	1911	129	56.5	.277	15.62	.....	.....	31	26	30	12
36 establishments.....	1911	146	56.6	.278	15.70	.....	.....	29	29	27	14
	1912	161	56.4	.286	16.09	.....	1	35	21	30	13
42 establishments.....	1912	177	56.2	.281	15.75	.....	1	37	22	28	12
	1913	196	55.4	.303	16.69	.....	8	42	23	26	.....
38 establishments.....	1913	186	55.2	.304	16.75	.....	9	45	23	24	.....
	1914	175	54.8	.313	17.12	1	5	50	33	6	5
47 establishments.....	1914	225	55.0	.302	16.64	1	4	40	43	8	5
Fitting or Stitching Department.											
Backstay stitchers, female:											
16 establishments.....	1907	81	56.6	.171	(1)	.....	.....	19	22	59	.....
	1908	78	56.5	.186	(1)	.....	.....	17	29	54	.....
	1909	91	56.3	.177	(1)	.....	.....	23	27	49	.....
	1910	95	56.2	.179	(1)	.....	.....	17	26	57	.....
49 establishments.....	1910	307	56.6	.177	9.95	(2)	10	11	29	27	22
	1911	299	56.6	.180	10.16	(2)	9	12	26	33	19
67 establishments.....	1911	392	56.5	.185	10.42	.....	7	18	28	31	16
	1912	378	55.2	.189	10.42	3	2	54	11	26	5
78 establishments.....	1912	426	55.1	.187	10.31	3	2	54	11	26	4
	1913	389	54.7	.195	10.62	3	3	53	29	11	.....
73 establishments.....	1913	379	54.6	.192	10.49	3	3	54	30	10	.....
	1914	399	54.2	.196	10.59	3	10	57	26	4	.....
82 establishments.....	1914	432	54.3	.197	10.68	3	9	58	25	6	.....

¹ Not computed.

² Less than 1 per cent.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

PER CENT—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Fitting or Stitching Depart- ment—Continued.											
Button fasteners, female: 26 establishments.....	1911 1912	55 70	56.4 55.9	\$0.157 .183	\$8.88 10.21	<i>P. ct.</i>	<i>P. ct.</i> 9	<i>P. ct.</i> 16 40	<i>P. ct.</i> 22 3	<i>P. ct.</i> 47 49	<i>P. ct.</i> 5
72 establishments.....	1912 1913	205 232	55.3 54.8	.177 .199	9.78 10.95	1 4	7 7	49 55	9 9	28 24	4
66 establishments.....	1913 1914	221 198	54.7 53.7	.196 .197	10.70 10.57	5 9	8 20	57 53	10 13	21 5	..... .....
74 establishments.....	1914	208	53.8	.200	10.78	9	19	52	14	6	.....
Buttonhole makers, female: 33 establishments.....	1911 1912	108 168	56.3 55.4	.176 .180	9.83 9.96	..... .....	2 10	27 47	21 5	44 38	6
74 establishments.....	1912 1913	468 517	55.1 54.7	.180 .194	9.87 10.60	3 1	6 8	55 59	9 14	24 18	4
71 establishments.....	1913 1914	489 477	54.6 53.8	.192 .200	10.50 10.76	1 10	8 21	62 48	14 15	15 6	..... .....
80 establishments.....	1914	506	53.9	.198	10.70	9	20	49	14	8	.....
Closers-on, female: 18 establishments.....	1907 1908 1909 1910	104 100 101 95	55.3 55.1 55.1 55.0	.200 .190 .207 .198	(1) (1) (1) (1)	..... ..... ..... .....	16 20 19 24	24 21 19 20	33 41 45 36	27 18 18 20	..... ..... ..... .....
49 establishments.....	1910 1911	262 277	57.1 57.1	.178 .178	10.13 10.09	(2) (2)	9 2	13 13	22 32	23 26	33 27
65 establishments.....	1911 1912	350 331	56.9 54.9	.180 .187	10.18 10.21	 5	1 5	18 54	31 11	25 21	25 5
74 establishments.....	1912 1913	344 349	55.0 54.4	.186 .194	10.17 10.53	4 5	5 5	53 59	12 21	22 10	4
69 establishments.....	1913 1914	337 325	54.4 53.8	.191 .193	10.39 10.36	4 9	5 17	60 52	22 19	9 3	..... .....
77 establishments.....	1914	347	53.9	.193	10.42	8	16	53	20	4	.....
Lining makers, female: 19 establishments.....	1907 1908 1909 1910	124 112 122 154	56.2 56.1 56.0 55.9	.175 .165 .173 .163	(1) (1) (1) (1)	..... ..... ..... .....	..... ..... ..... .....	19 21 23 21	35 38 38 36	45 41 39 43	..... ..... ..... .....
53 establishments.....	1910 1911	585 576	56.5 56.5	.164 .162	9.19 9.08	(2) 1	15 14	13 13	25 28	24 27	23 18
72 establishments.....	1911 1912	721 706	56.5 55.0	.166 .171	9.28 9.36	 3	11 6	19 53	26 12	26 23	17 4
80 establishments.....	1912 1913	764 854	55.0 54.6	.170 .190	9.31 10.38	3 3	5 6	51 55	13 23	25 13	4
76 establishments.....	1913 1914	833 804	54.5 53.9	.190 .188	10.31 10.15	3 6	6 17	55 51	24 22	12 4	..... .....
84 establishments.....	1914	852	54.1	.189	10.21	6	16	51	21	6	.....

1 Not computed.

2 Less than 1 per cent.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

PER CENT—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Fitting or Stitching Depart- ment—Continued.											
Tip stitchers, female:											
36 establishments.....	1911	134	55.8	\$0.205	\$11.38	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.
	1912	137	55.2	.216	11.87	.....	7	28	24	37	4
						.....	9	50	12	29	.....
79 establishments.....	1912	335	54.9	.208	11.36	3	5	56	14	20	2
	1913	337	54.7	.219	11.94	3	8	52	23	14	.....
75 establishments.....	1913	329	54.6	.218	11.91	3	8	52	24	13	.....
	1914	328	54.1	.218	11.82	3	14	55	23	4	.....
83 establishments.....	1914	348	54.2	.219	11.87	3	14	56	22	5	.....
Top stitchers or undertrimmers, female:											
17 establishments.....	1907	161	56.3	.185	(1)	.....	.....	20	30	50	.....
	1908	144	56.3	.190	(1)	.....	.....	22	28	50	.....
	1909	156	56.3	.196	(1)	.....	.....	20	30	50	.....
	1910	164	56.0	.200	(1)	.....	.....	20	30	51	.....
53 establishments.....	1910	721	56.9	.188	10.69	(2)	9	15	21	27	28
	1911	742	56.8	.192	10.83	1	8	15	23	31	22
73 establishments.....	1911	911	56.7	.194	10.95	.....	7	20	23	29	20
	1912	950	54.9	.198	10.82	3	9	55	8	22	3
82 establishments.....	1912	1,033	54.9	.198	10.81	3	8	55	9	22	3
	1913	1,070	54.6	.210	11.47	2	9	54	22	13	.....
77 establishments.....	1913	1,033	54.5	.211	11.46	2	9	54	23	11	.....
	1914	1,005	54.1	.211	11.39	5	16	52	22	5	.....
86 establishments.....	1914	1,076	54.2	.212	11.48	5	14	53	21	6	.....
Vampers, male:											
13 establishments.....	1907	167	54.9	.318	(1)	.....	4	71	5	19	.....
	1908	99	55.2	.287	(1)	.....	18	41	15	25	.....
	1909	150	54.6	.287	(1)	.....	39	34	14	13	.....
	1910	134	54.5	.294	(1)	.....	36	34	13	16	.....
33 establishments.....	1910	263	55.5	.293	16.24	.....	18	25	24	22	11
	1911	249	55.7	.303	16.88	.....	8	28	33	21	10
51 establishments.....	1911	343	55.5	.315	17.42	.....	6	40	27	18	8
	1912	435	54.9	.310	16.97	3	13	46	13	21	3
66 establishments.....	1912	483	55.0	.306	16.76	3	12	45	14	23	4
	1913	554	54.8	.320	17.47	2	13	41	30	13	1
57 establishments.....	1913	531	54.7	.320	17.44	2	14	42	29	12	1
	1914	515	54.5	.315	17.13	1	17	38	36	7	(2)
65 establishments.....	1914	534	54.6	.312	17.04	1	17	37	35	9	1
Vampers, female:											
22 establishments.....	1907	351	55.7	.246	(1)	1	15	16	30	38	.....
	1908	321	55.9	.242	(1)	1	6	19	37	38	.....
	1909	391	55.5	.253	(1)	1	20	17	31	31	.....
	1910	366	55.5	.257	(1)	2	11	18	35	34	.....
53 establishments.....	1910	863	56.9	.238	13.46	2	5	14	24	28	27
	1911	909	56.7	.238	13.43	3	5	15	25	29	22
71 establishments.....	1911	1,124	56.5	.238	13.46	2	4	17	26	28	23
	1912	1,019	55.1	.233	12.84	1	6	54	11	23	5

¹ Not computed.² Less than 1 per cent.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

PER CENT—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Fitting or Stitching Depart- ment—Concluded.											
Vampers, female—Concluded.						<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>
79 establishments.....	1912	1,088	55.1	\$0.230	\$12.68	1	6	53	11	24	4
	1913	1,072	54.7	.246	13.45	1	7	58	20	14	.....
77 establishments.....	1913	1,052	54.6	.246	13.40	1	7	59	21	12	.....
	1914	1,037	53.9	.244	13.13	8	17	49	20	5	.....
85 establishments.....	1914	1,116	54.1	.243	13.14	7	16	51	20	7	.....
Lasting Department.											
Assemblers, for pulling-over ma- chine, male:											
17 establishments.....	1911	218	55.4	.274	15.14	.....	.....	43	32	22	3
	1912	228	54.8	.265	14.45	14	.....	45	16	21	5
50 establishments.....	1912	542	55.8	.238	13.21	6	5	32	18	24	15
	1913	532	55.5	.261	14.46	3	6	38	25	23	6
54 establishments.....	1913	597	55.4	.272	15.01	2	5	41	27	19	5
	1914	646	55.2	.281	15.45	7	8	29	32	23	2
64 establishments.....	1914	708	55.3	.279	15.37	6	7	27	33	24	3
Bed-machine operators, male:											
15 establishments.....	1907	246	54.7	.350	(1)	.....	22	51	9	18	.....
	1908	300	54.8	.334	(1)	.....	8	65	10	17	.....
	1909	307	54.8	.342	(1)	.....	10	62	11	17	.....
	1910	300	55.0	.321	(1)	.....	5	56	12	27	.....
35 establishments.....	1910	513	56.4	.311	17.50	.....	3	33	15	30	19
	1911	568	56.1	.323	18.09	.....	5	30	28	20	17
54 establishments.....	1911	793	56.1	.321	17.96	.....	3	33	25	23	15
	1912	1,004	55.5	.304	16.88	.....	10	44	15	22	10
65 establishments.....	1912	1,127	55.6	.300	16.67	.....	9	40	19	22	11
	1913	1,220	55.2	.330	18.21	.....	10	41	29	16	3
60 establishments.....	1913	1,185	55.1	.331	18.21	.....	10	42	29	15	3
	1914	1,117	54.9	.322	17.68	.....	15	32	39	12	2
70 establishments.....	1914	1,173	55.1	.321	17.68	.....	15	30	38	14	3
Hand-method lasting-machine operators, male:											
6 establishments.....	1907	99	57.1	.311	(1)	.....	.....	.....	39	61	.....
	1908	89	56.6	.307	(1)	.....	.....	.....	54	46	.....
	1909	75	56.7	.309	(1)	.....	.....	.....	52	48	.....
	1910	80	56.1	.322	(1)	.....	.....	.....	64	36	.....
33 establishments.....	1910	325	57.4	.306	17.49	1	.....	12	28	26	33
	1911	352	57.3	.309	17.65	1	.....	13	27	30	29
39 establishments.....	1911	477	57.0	.316	17.96	.....	.....	20	29	23	28
	1912	478	55.8	.324	18.03	5	.....	38	18	20	18
41 establishments.....	1912	456	55.7	.325	18.05	6	.....	37	22	18	17
	1913	449	55.3	.357	19.72	3	.....	45	32	15	6
35 establishments.....	1913	402	55.2	.355	19.58	3	.....	44	34	13	6
	1914	418	55.2	.349	19.20	10	.....	16	51	20	3
41 establishments.....	1914	456	55.5	.348	19.25	9	.....	14	48	26	3

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

PER CENT—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full-time hours per week.	Aver- age rate of wages per hour.	Aver- age full-time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Lasting Department—Con- cluded.											
Pullers-over, hand, male: 13 establishments.....	1907	345	56.6	\$0.256	(1)	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.
	1908	330	56.6	.249	(1)	.....	.....	22	21	57	.....
	1909	366	56.2	.237	(1)	.....	.....	22	19	58	.....
	1910	384	55.9	.276	(1)	.....	.....	30	22	47	.....
						.....	.....	27	26	47	.....
35 establishments.....	1910	784	56.4	.291	\$16.38	1	2	26	23	29	19
	1911	784	56.2	.309	17.28	1	3	26	26	30	14
45 establishments.....	1911	897	56.3	.312	17.50	.....	3	29	26	24	17
	1912	899	55.4	.319	17.62	3	12	33	21	24	7
52 establishments.....	1912	1,036	55.3	.316	17.41	2	11	33	28	19	7
	1913	937	55.3	.333	18.37	.....	7	37	35	20	1
47 establishments.....	1913	907	55.1	.334	18.42	.....	7	39	36	17	1
	1914	729	54.9	.350	19.24	(2)	8	29	50	11	1
49 establishments.....	1914	749	54.9	.350	19.21	(2)	8	30	49	11	1
Pullers-over, machine, male: 31 establishments.....	1910	251	57.4	.320	18.37	.....	.....	20	14	33	32
	1911	266	56.5	.319	17.95	.....	.....	29	34	18	19
43 establishments.....	1911	328	56.1	.325	18.18	.....	.....	34	37	16	14
	1912	305	55.6	.312	17.31	5	11	37	14	15	17
60 establishments.....	1912	402	55.8	.312	17.39	2	8	37	16	20	17
	1913	421	55.4	.351	19.42	1	5	43	25	19	6
59 establishments.....	1913	421	55.4	.352	19.45	1	5	43	27	18	6
	1914	396	55.3	.360	19.87	4	7	27	39	20	3
71 establishments.....	1914	443	55.5	.356	19.66	4	7	24	39	23	4
Side lasters, hand, male: 20 establishments.....	1913	224	54.2	.303	16.40	.....	43	27	24	6	.....
	1914	237	54.0	.308	16.59	.....	50	19	27	4	(2)
Side lasters, machine, male: 16 establishments.....	1913	155	56.1	.323	18.23	.....	.....	41	22	34	4
	1914	167	54.3	.343	18.54	19	.....	35	32	11	4
Turn lasters, hand, male: 28 establishments.....	1912	452	55.6	.275	15.25	.....	23	12	16	28	20
	1913	524	55.0	.310	17.00	.....	27	23	17	28	5
26 establishments.....	1913	499	55.0	.307	16.81	.....	28	24	13	30	5
	1914	630	54.4	.322	17.45	14	15	11	47	8	5
31 establishments.....	1914	689	54.4	.324	17.56	12	16	10	49	8	5
Bottoming Department.											
Buffers, male: 36 establishments.....	1911	174	55.8	.294	16.37	.....	3	29	28	39	1
	1912	170	53.8	.307	17.06	.....	3	31	28	34	4
72 establishments.....	1912	338	56.0	.289	16.09	.....	6	32	20	31	11
	1913	354	55.3	.319	17.57	.....	6	35	33	16	5
72 establishments.....	1913	358	55.3	.318	17.52	.....	6	35	37	17	5
	1914	370	55.2	.310	17.06	4	9	20	49	16	2
81 establishments.....	1914	396	55.3	.309	17.05	4	8	19	48	18	3

¹ Not computed.

² Less than 1 per cent.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

PER CENT—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Bottoming Department—Contd.											
Edge setters, male:											
18 establishments.....	1907	134	56.0	\$0.400	(1)	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.
	1908	142	56.2	.351	(1)	.....	.....	23	37	40	.....
	1909	150	56.1	.381	(1)	.....	.....	20	34	46	.....
	1910	163	55.9	.385	(1)	.....	.....	23	35	41	.....
						.....	.....	21	36	44	.....
54 establishments.....	1910	560	56.3	.373	\$20.94	1	13	17	25	26	18
	1911	573	56.3	.380	21.31	1	10	20	26	26	18
68 establishments.....	1911	722	56.3	.380	21.29	.....	8	26	24	25	17
	1912	698	55.8	.389	21.63	.....	7	37	21	20	14
78 establishments.....	1912	789	55.8	.379	21.05	.....	7	35	24	22	13
	1913	815	55.3	.413	22.78	.....	8	37	34	18	3
77 establishments.....	1913	826	55.3	.411	22.70	.....	8	36	33	19	3
	1914	827	55.1	.410	22.54	2	13	23	44	15	2
86 establishments.....	1914	872	55.2	.410	22.54	3	13	21	43	17	3
Edge trimmers, male:											
23 establishments.....	1907	283	55.3	.404	(1)	.....	16	33	24	27	.....
	1908	302	55.1	.386	(1)	.....	16	37	26	21	.....
	1909	287	55.2	.397	(1)	.....	16	32	29	23	.....
	1910	305	55.0	.401	(1)	.....	19	32	27	22	.....
55 establishments.....	1910	573	56.4	.382	21.44	1	10	20	24	24	21
	1911	615	56.2	.390	21.80	1	9	23	28	23	17
71 establishments.....	1911	765	56.1	.389	21.73	.....	7	29	26	23	15
	1912	751	55.9	.386	21.48	.....	7	35	19	26	13
81 establishments.....	1912	827	55.9	.380	21.15	.....	6	34	21	26	12
	1913	838	55.4	.410	22.66	.....	6	37	34	19	4
77 establishments.....	1913	815	55.3	.411	22.66	.....	6	39	35	17	4
	1914	839	55.0	.404	22.18	2	12	26	43	15	2
85 establishments.....	1914	886	55.1	.400	22.01	2	11	25	43	16	2
Goodyear stitchers, male:											
21 establishments.....	1907	215	55.3	.403	(1)	.....	11	43	21	25	.....
	1908	214	55.1	.376	(1)	.....	10	43	28	20	.....
	1909	221	55.3	.394	(1)	.....	12	34	30	24	.....
	1910	224	55.2	.388	(1)	.....	9	34	31	25	.....
45 establishments.....	1910	366	56.3	.374	20.97	1	6	24	26	24	19
	1911	398	56.0	.388	21.65	1	7	27	30	20	16
61 establishments.....	1911	529	55.9	.387	21.56	.....	5	35	25	21	14
	1912	562	55.9	.385	21.40	.....	7	39	18	19	17
70 establishments.....	1912	627	55.9	.376	20.96	.....	6	37	20	20	17
	1913	642	55.2	.399	21.96	.....	9	42	29	19	2
67 establishments.....	1913	633	55.1	.398	21.87	.....	9	42	29	17	2
	1914	569	54.9	.413	22.65	.....	13	33	41	12	1
74 establishments.....	1914	594	55.1	.410	22.57	.....	12	32	39	14	2
Goodyear welters, male:											
14 establishments.....	1907	67	55.9	.409	(1)	.....	.....	33	28	39	.....
	1908	70	56.0	.409	(1)	.....	.....	33	26	41	.....
	1909	74	55.7	.444	(1)	.....	.....	36	28	35	.....
	1910	81	55.6	.422	(1)	.....	.....	36	25	40	.....

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

PER CENT—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Average full- time hours per week.	Average rate of wages per hour.	Average full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Bottoming Department—Contd.											
Goodyear welters, male—Concld.						<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>
45 establishments.....	1910	275	56.2	\$0.437	\$24.49	1	7	29	23	22	19
	1911	289	56.0	.464	25.88	1	9	27	27	18	18
60 establishments.....	1911	392	56.0	.452	25.21	.....	7	34	24	20	16
	1912	411	55.8	.454	25.27	.....	10	39	17	20	14
70 establishments.....	1912	466	55.8	.445	24.75	.....	9	38	20	21	13
	1913	472	55.3	.501	27.60	.....	9	40	29	18	3
66 establishments.....	1913	458	55.2	.503	27.71	.....	10	41	30	16	3
	1914	418	55.0	.508	27.90	.....	11	35	40	12	1
74 establishments.....	1914	439	55.2	.503	27.68	.....	11	33	38	15	3
Heel breasters, male:											
35 establishments.....	1911	76	56.1	.291	16.23	.....	3	26	26	41	4
	1912	77	55.7	.302	16.74	.....	10	30	25	30	5
75 establishments.....	1912	163	55.9	.295	16.36	.....	10	29	23	25	13
	1913	171	55.4	.313	17.27	.....	10	33	33	20	4
73 establishments.....	1913	167	55.4	.310	17.10	.....	10	34	32	19	4
	1914	161	55.2	.306	16.81	2	12	22	45	17	2
82 establishments.....	1914	173	55.3	.303	16.71	2	12	20	45	19	2
Heel burnishers, male:											
33 establishments.....	1911	106	55.6	.306	16.97	.....	2	40	25	32	1
	1912	108	55.4	.313	17.31	.....	5	42	23	28	3
74 establishments.....	1912	254	56.1	.292	16.31	.....	5	33	22	25	15
	1913	268	55.4	.313	17.29	.....	6	40	31	19	4
75 establishments.....	1913	280	55.5	.317	17.54	.....	5	39	32	20	4
	1914	261	55.3	.323	17.85	2	10	23	45	18	3
84 establishments.....	1914	283	55.5	.322	17.86	1	9	21	43	21	4
Heelers, male:											
31 establishments.....	1911	115	55.8	.403	22.52	.....	9	29	23	38	2
	1912	124	55.7	.391	21.71	.....	6	37	20	31	5
67 establishments.....	1912	254	56.2	.378	21.17	.....	4	34	19	27	16
	1913	269	55.4	.424	23.41	.....	4	42	31	19	3
72 establishments.....	1913	291	55.3	.424	23.32	.....	7	42	30	19	3
	1914	293	55.1	.400	21.98	2	13	24	41	16	3
84 establishments.....	1914	324	55.3	.402	22.18	2	12	23	40	19	4
Heel scourers, male:											
35 establishments.....	1911	125	54.8	.291	16.12	.....	6	35	24	34	2
	1912	154	55.5	.294	16.25	.....	10	38	16	34	3
78 establishments.....	1912	342	56.0	.289	16.09	.....	6	34	20	26	15
	1913	364	55.4	.314	17.35	.....	10	34	34	18	5
76 establishments.....	1913	360	55.4	.313	17.29	.....	10	34	34	18	5
	1914	345	55.2	.312	17.18	2	13	23	44	17	2
84 establishments.....	1914	372	55.3	.310	17.10	2	12	21	43	18	4

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Continued.

PER CENT—Continued.

Department, occupation, sex, and number of establish- ments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time week- ly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Bottoming Department—Concld.											
Heel trimmers or shavers, male: 23 establishments.....	1907	99	55.1	\$0.438	(1)	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.
	1908	84	55.2	.439	(1)	.....	25	24	29	21	.....
	1909	82	55.3	.447	(1)	.....	18	26	34	21	.....
	1910	91	55.2	.443	(1)	.....	15	27	34	24	.....
						.....	19	23	34	24	.....
55 establishments.....	1910	189	56.6	.410	\$23.03	1	9	14	29	26	21
	1911	193	56.5	.415	23.34	1	8	15	31	27	19
71 establishments.....	1911	246	56.5	.415	23.32	.....	7	19	33	24	17
	1912	239	56.0	.415	23.10	.....	8	29	23	26	13
81 establishments.....	1912	252	56.0	.420	23.39	.....	7	30	24	26	13
	1913	277	55.4	.448	24.74	.....	11	32	33	21	3
77 establishments.....	1913	271	55.3	.443	24.46	.....	11	33	33	20	3
	1914	262	55.1	.439	24.14	2	14	19	47	15	2
85 establishments.....	1914	277	55.2	.433	23.88	2	13	18	46	17	3
McKay sewers, male:											
5 establishments.....	1907	34	55.2	.288	(1)	.....	41	.....	52	26	.....
	1908	25	55.3	.311	(1)	.....	36	.....	36	28	.....
	1909	28	55.7	.274	(1)	.....	32	.....	29	39	.....
	1910	26	55.2	.279	(1)	.....	38	.....	27	35	.....
28 establishments.....	1910	95	57.1	.290	16.46	1	11	5	25	32	26
	1911	107	56.7	.290	16.35	1	12	7	27	40	13
30 establishments.....	1911	129	56.5	.296	16.63	.....	10	7	38	33	12
	1912	128	56.3	.285	16.10	.....	2	19	31	39	9
32 establishments.....	1912	131	56.1	.286	16.00	.....	2	20	32	40	6
	1913	136	55.6	.319	17.70	.....	4	26	46	22	3
32 establishments.....	1913	128	55.5	.319	17.68	.....	4	27	49	16	3
	1914	130	55.5	.343	19.00	6	5	5	57	24	3
39 establishments.....	1914	147	55.7	.338	18.77	5	5	4	56	24	5
Rough rounders, male:											
15 establishments.....	1907	48	56.0	.387	(1)	.....	.....	27	31	42	.....
	1908	49	56.0	.368	(1)	.....	.....	27	33	41	.....
	1909	54	55.8	.434	(1)	.....	.....	33	30	37	.....
	1910	56	55.5	.411	(1)	.....	.....	34	29	38	.....
44 establishments.....	1910	165	56.7	.406	22.85	1	.....	25	24	27	24
	1911	167	56.5	.438	24.56	1	.....	23	35	20	21
60 establishments.....	1911	221	56.3	.436	24.44	.....	1	29	31	19	19
	1912	248	55.9	.439	24.41	.....	9	35	20	20	15
69 establishments.....	1912	273	55.9	.435	24.21	.....	8	34	22	21	15
	1913	265	55.2	.497	27.37	.....	10	37	32	18	3
67 establishments.....	1913	261	55.2	.497	27.35	.....	10	38	32	17	3
	1914	240	54.9	.506	27.74	.....	14	30	43	11	2
73 establishments.....	1914	252	55.1	.503	27.64	.....	13	29	40	13	4

¹ Not computed.

TABLE I.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN THE UNITED STATES, BY YEARS, 1907 TO 1914—Concluded.

PER CENT—Concluded.

Department, occupation, sex, and number of establish- ments.	Year.	Number of em- ploy- ees.	Average full- time hours per week.	Average rate of wages per hour.	Average full- time weekly earn- ings.	Employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Finishing Department.											
Treers or ironers, hand, male: 17 establishments.....	1907	381	54.7	\$0.305	(1)	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.
	1908	364	54.5	.294	(1)	.....	28	40	19	13	.....
	1909	377	54.6	.293	(1)	.....	29	36	23	6	.....
	1910	444	54.5	.288	(1)	.....	28	33	30	9	.....
							39	25	26	11	.....
44 establishments.....	1910	832	55.9	.259	\$14.42	.....	21	17	27	18	17
	1911	786	56.1	.260	14.50	.....	13	20	32	18	18
63 establishments.....	1911	1,006	56.0	.267	14.84	.....	10	26	31	18	15
	1912	1,076	55.9	.262	14.57	.....	11	31	22	22	14
73 establishments.....	1912	1,143	55.8	.266	14.76	.....	10	34	23	19	14
	1913	1,110	55.3	.282	15.54	.....	11	37	29	20	4
70 establishments.....	1913	1,100	55.3	.282	15.54	.....	11	37	29	19	4
	1914	1,109	55.1	.281	15.45	.....	14	29	39	15	2
80 establishments.....	1914	1,204	55.3	.279	15.38	.....	14	27	38	18	3
Treers or ironers, hand, female: 8 establishments.....	1910	74	57.8	.143	8.19	.....	.....	30	.....	43	27
	1911	70	57.7	.144	8.21	.....	.....	33	.....	36	31
11 establishments.....	1911	85	58.1	.145	8.32	.....	.....	27	.....	29	44
	1912	105	54.3	.154	8.35	.....	10	64	12	13	.....
13 establishments.....	1912	108	54.4	.153	8.32	.....	10	62	12	16	.....
	1913	110	54.6	.158	8.56	.....	18	55	.....	26	.....
12 establishments.....	1913	110	54.6	.158	8.56	.....	18	55	.....	26	.....
	1914	112	52.2	.174	9.06	37	36	21	6	.....	.....
18 establishments.....	1914	123	52.3	.175	9.12	33	33	27	7	.....	.....

¹ Not computed.

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914.

[The figures are for identical establishments in both years.]

CUTTING DEPARTMENT.

Occupation, sex, State, and number of establishments.	Year.	Number of employ-ees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Cutters, vamp and whole shoe, hand, male.											
Massachusetts:											
24 establishments.....	1913	823	53.0	\$0.362	\$19.13	196	167	385	63	12	.....
	1914	694	52.8	.380	19.99	178	171	288	47	.....	
Missouri:											
5 establishments.....	1913	112	56.8	.324	18.30	.....	.....	60	.....	.....	52
	1914	125	55.1	.377	20.71	.....	.....	44	63	13	.....
New York:											
10 establishments.....	1913	308	53.7	.371	19.94	.....	57	232	14	.....	.....
	1914	272	52.1	.368	19.14	67	137	36	32	.....	.....
Ohio:											
6 establishments.....	1913	204	55.6	.372	20.62	15	.....	102	10	77	.....
	1914	206	53.9	.412	22.14	109	.....	.....	15	81	.....
Other States:											
23 establishments.....	1913	481	56.4	.321	18.05	.....	.....	24	263	194	.....
	1914	471	55.9	.327	18.29	.....	.....	37	314	89	31
Total:											
68 establishments.....	1913	1,923	54.5	.352	19.10	211	224	803	350	283	52
	1914	1,757	53.8	.368	19.70	354	308	406	476	183	31
Cutters, vamp and whole shoe, machine, male.											
Massachusetts:											
13 establishments.....	1913	198	53.7	.368	19.73	29	.....	141	25	3	.....
	1914	243	53.8	.359	19.33	42	.....	119	82	.....	.....
Missouri:											
5 establishments.....	1913	85	57.8	.259	14.85	.....	.....	29	.....	17	39
	1914	95	58.0	.258	15.01	.....	.....	11	.....	84	.....
New Hampshire:											
2 establishments.....	1913	116	56.1	.300	16.79	.....	.....	.....	72	44	.....
	1914	98	55.0	.338	18.60	.....	.....	.....	98	.....	.....
New York:											
3 establishments.....	1913	33	52.5	.426	22.41	.....	27	6	.....	.....	.....
	1914	36	51.6	.402	20.80	16	20	.....	.....	.....	.....
Ohio:											
8 establishments.....	1913	27	56.5	.313	17.66	.....	.....	.....	17	10	.....
	1914	26	56.1	.292	16.27	.....	.....	.....	19	7	.....
Other States:											
9 establishments.....	1913	69	57.4	.256	14.65	.....	.....	2	15	52	.....
	1914	70	56.9	.272	15.46	.....	.....	3	29	33	5
Total:											
35 establishments.....	1913	528	55.5	.322	17.70	29	27	178	129	126	39
	1914	568	55.1	.328	17.96	58	20	133	228	124	5
Skivers, upper, machine, male.											
Massachusetts:											
14 establishments.....	1913	94	54.1	.302	16.36	.....	1	85	5	3	.....
	1914	79	54.1	.314	16.98	.....	.....	75	4	.....	.....
Other States:											
8 establishments.....	1913	29	55.0	.293	15.97	.....	10	2	14	3	.....
	1914	28	54.7	.276	15.04	.....	10	.....	15	3	.....
Total:											
22 establishments.....	1913	123	54.3	.300	16.26	.....	11	87	19	6	.....
	1914	107	54.2	.304	16.47	.....	10	75	19	3	.....

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914—Contd.

CUTTING DEPARTMENT—Concluded.

Occupation, sex, State, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Skivers, upper, machine, female.											
Massachusetts:											
16 establishments.....	1913	109	53.6	\$0.225	\$12.07	7	27	75			
	1914	110	53.9	.224	12.04		28	84			
Missouri:											
6 establishments.....	1913	57	54.0	.183	9.89			57			
	1914	56	53.5	.201	10.72	7		49			
New Hampshire:											
6 establishments.....	1913	51	55.6	.197	10.99				40	11	
	1914	33	55.0	.194	10.70				33		
New York:											
8 establishments.....	1913	51	53.6	.254	13.57	3	5	43			
	1914	46	51.4	.245	12.55	19	18	9			
Ohio:											
7 establishments.....	1913	52	53.8	.182	9.80	2		50			
	1914	44	53.8	.189	10.16		20				
Other States:											
22 establishments.....	1913	119	56.3	.197	11.05			2	70	47	
	1914	113	55.4	.202	11.17			26	66	21	
Total:											
65 establishments.....	1913	439	54.6	.207	11.29	12	32	227	110	58	
	1914	402	54.0	.211	11.35	26	64	192	99	21	

SOLE-LEATHER DEPARTMENT.

Channelers, insole and outsole, male.											
Massachusetts:											
21 establishments.....	1913	80	54.3	\$0.369	\$20.03		10	45	25		
	1914	78	54.3	.376	20.45		11	41	26		
New York:											
9 establishments.....	1913	23	53.5	.343	18.30		7	14	2		
	1914	24	52.5	.331	17.35	3	15	3	3		
Other States:											
39 establishments.....	1913	87	56.9	.301	17.11			11	29	40	7
	1914	92	56.3	.305	17.18			4	55	29	4
Total:											
69 establishments.....	1913	190	55.4	.335	18.48		17	70	56	40	7
	1914	194	55.0	.337	18.51	3	26	48	84	29	4
Cutters, outsole, male.											
Massachusetts:											
14 establishments.....	1913	79	54.3	.323	17.50		14	42	20	3	
	1914	74	54.4	.324	17.58		6	43	24	1	
Missouri:											
2 establishments.....	1913	44	55.6	.324	17.98			30		14	
	1914	44	54.0	.346	18.70			44			
Other States:											
22 establishments.....	1913	63	56.2	.266	14.95		2	11	22	28	
	1914	57	55.9	.274	15.31	2	3	1	24	9	8
Total:											
38 establishments.....	1913	186	55.2	.304	16.75		16	83	42	45	
	1914	175	54.8	.313	17.12	2	9	88	58	10	8

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914—Contd.

FITTING OR STITCHING DEPARTMENT.

Occupation, sex, State, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Backstay stitchers, female.											
Massachusetts:											
24 establishments.....	1913	128	53.6	\$0.213	\$11.44	8	10	110			
	1914	137	53.9	.228	12.32		13	124			
Missouri:											
8 establishments.....	1913	37	54.0	.169	9.14			37			
	1914	54	53.6	.162	8.63	6		48			
New Hampshire:											
6 establishments.....	1913	58	55.4	.179	9.94				51	7	
	1914	54	55.0	.167	9.17				54		
New York:											
7 establishments.....	1913	28	53.6	.175	9.33	3		25			
	1914	25	51.9	.219	11.32	7	11	7			
Ohio:											
7 establishments.....	1913	34	53.9	.168	9.08		2	32			
	1914	36	53.8	.168	9.06		15	21			
Other States:											
21 establishments.....	1913	94	56.2	.195	10.93			2	61	31	
	1914	93	55.3	.188	10.41			27	50	16	
Total:											
73 establishments.....	1913	379	54.6	.192	10.49	11	12	206	112	38	
	1914	399	54.2	.196	10.59	13	39	227	104	16	
Buttonhole makers, female.											
Massachusetts:											
23 establishments.....	1913	156	53.8	.218	11.73	3	27	126			
	1914	164	53.8	.239	12.89		44	120			
Missouri:											
7 establishments.....	1913	52	54.0	.184	9.96			52			
	1914	59	53.1	.195	10.32	14		45			
New Hampshire:											
6 establishments.....	1913	37	55.5	.158	8.76				31	6	
	1914	32	55.0	.156	8.60				32		
New York:											
8 establishments.....	1913	83	53.4	.190	10.11	3	12	68			
	1914	72	51.4	.189	9.71	32	27	13			
Ohio:											
7 establishments.....	1913	58	53.9	.157	8.47		2	56			
	1914	49	53.8	.163	8.77		28	21			
Other States:											
20 establishments.....	1913	103	57.0	.192	10.98				38	65	
	1914	101	55.7	.178	9.94			32	38	31	
Total:											
71 establishments.....	1913	489	54.6	.192	10.50	6	41	302	69	71	
	1914	477	53.8	.200	10.76	46	99	231	70	31	
Closers-on, female.											
Massachusetts:											
21 establishments.....	1913	95	53.6	.217	11.61	9	6	80			
	1914	83	53.9	.216	11.63		11	72			
Missouri:											
8 establishments.....	1913	46	54.0	.172	9.27			46			
	1914	52	53.3	.170	9.05	9		43			
New Hampshire:											
5 establishments.....	1913	17	55.4	.174	9.64				15	2	
	1914	19	55.0	.209	11.48				19		
New York:											
9 establishments.....	1913	67	53.4	.186	9.88	5	9	50	3		
	1914	53	51.5	.183	9.41	19	29	5			
Ohio:											
6 establishments.....	1913	29	53.9	.186	10.04		2	27			
	1914	33	53.8	.180	8.59		14	19			

TABLE H.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914—Contd.

FITTING OR STITCHING DEPARTMENT—Continued.

Occupation, sex, State, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Closers-on, female—Concl'd.											
Other States:											
20 establishments.....	1913	83	56.2	\$0.184	\$10.30				55	28	
	1914	85	55.0	.199	10.96			31	44	10	
Total:											
69 establishments.....	1913	337	54.4	.191	10.39	14	17	203	73	30	
	1914	325	53.8	.193	10.36	28	54	170	63	10	
Lining makers, female.											
Massachusetts:											
24 establishments.....	1913	274	53.7	.214	11.48	11	28	235			
	1914	265	53.9	.210	11.28		29	236			
Missouri:											
6 establishments.....	1913	60	54.0	.168	9.09			60			
	1914	57	53.0	.163	8.65	14		43			
New Hampshire:											
6 establishments.....	1913	91	55.4	.159	8.80				80	11	
	1914	76	55.0	.161	8.85				76		
New York:											
10 establishments.....	1913	103	52.9	.196	10.34	18	16	65	4		
	1914	100	51.6	.203	10.47	38	46	16			
Ohio:											
7 establishments.....	1913	97	54.0	.181	9.75		3	94			
	1914	100	53.7	.168	9.01		59	41			
Other States:											
23 establishments.....	1913	208	56.5	.178	10.05			3	115	90	
	1914	206	55.2	.180	9.96			73	101	32	
Total:											
76 establishments.....	1913	833	54.5	.190	10.31	29	47	457	199	101	
	1914	804	53.9	.188	10.15	52	134	409	177	32	
Tip stitchers, female.											
Massachusetts:											
23 establishments.....	1913	112	53.7	.249	13.37	5	21	86			
	1914	120	53.9	.243	13.11		19	101			
Missouri:											
8 establishments.....	1913	29	54.0	.196	10.58			29			
	1914	36	53.6	.190	10.17	4		32			
New Hampshire:											
6 establishments.....	1913	37	55.6	.182	10.16				29	8	
	1914	29	55.0	.216	11.87				29		
New York:											
9 establishments.....	1913	32	53.2	.220	11.70	5	3	23	1		
	1914	24	51.9	.213	11.00	6	15	3			
Ohio:											
7 establishments.....	1913	35	53.9	.189	10.20		3	32			
	1914	30	53.8	.189	10.14		13	17			
Other States:											
22 establishments.....	1913	84	56.4	.213	12.00			1	49	34	
	1914	89	55.2	.209	11.53			29	46	14	
Total:											
75 establishments.....	1913	329	54.6	.218	11.91	10	27	171	79	42	
	1914	328	54.1	.218	11.82	10	47	182	75	14	
Top stitchers or undertrimmers, female.											
Massachusetts:											
24 establishments.....	1913	362	53.7	.233	12.48	16	77	269			
	1914	348	53.8	.230	12.40		70	278			
Missouri:											
8 establishments.....	1913	102	54.0	.195	10.53			102			
	1914	119	53.5	.190	10.13	16		103			

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914—Contd.

FITTING OR STITCHING DEPARTMENT—Concluded.

Occupation, sex, State, and number of establishments.	Year.	Number of em- ploy- ees.	Average full- time hours per week.	Average rate of wages per hour.	Average full- time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Top stitchers or undertrim- mers, female—Concluded.											
New Hampshire: 6 establishments.....	1913	144	55.6	\$0.165	\$9.18	.....	.....	.....	115	29	.....
	1914	134	55.0	.177	9.73	.....	.....	.....	134	.....	.....
New York: 9 establishments.....	1913	112	53.3	.232	12.38	9	15	87	1	.....	.....
	1914	91	51.5	.235	12.05	36	38	17	.....	.....	.....
Ohio: 7 establishments.....	1913	101	53.9	.198	10.69	.....	4	97	.....	.....	.....
	1914	116	53.8	.200	10.78	.....	48	68	.....	.....	.....
Other States: 23 establishments.....	1913	212	56.4	.206	11.61	.....	.....	3	121	88	.....
	1914	197	55.5	.208	11.58	.....	.....	58	91	48	.....
Total: 77 establishments.....	1913	1,033	54.5	.211	11.46	25	96	558	237	117	.....
	1914	1,005	54.1	.211	11.39	52	156	524	225	48	.....
Vampers, male.											
Massachusetts: 20 establishments.....	1913	305	53.9	.346	18.62	12	59	191	39	4	.....
	1914	287	54.0	.333	18.02	.....	65	174	48	.....	.....
New Hampshire: 6 establishments.....	1913	65	55.7	.249	13.88	.....	.....	.....	50	15	.....
	1914	59	55.0	.259	14.27	.....	.....	.....	59	.....	.....
New York: 6 establishments.....	1913	28	53.6	.346	18.54	.....	15	9	4	.....	.....
	1914	38	52.7	.328	17.27	6	24	.....	8	.....	.....
Other States: 25 establishments.....	1913	133	56.2	.289	16.23	.....	.....	25	60	43	5
	1914	131	55.9	.295	16.43	.....	.....	21	72	36	2
Total: 57 establishments.....	1913	531	54.7	.320	17.44	12	74	225	153	62	5
	1914	515	54.5	.315	17.13	6	89	195	187	36	2
Vampers, female.											
Massachusetts: 24 establishments.....	1913	308	53.7	.266	14.31	13	49	246	.....	.....	.....
	1914	292	53.9	.266	14.36	.....	53	234	.....	.....	.....
Missouri: 8 establishments.....	1913	110	54.0	.246	13.27	.....	.....	110	.....	.....	.....
	1914	122	53.0	.240	12.67	30	.....	92	.....	.....	.....
New Hampshire: 6 establishments.....	1913	117	55.4	.226	12.56	.....	.....	.....	100	17	.....
	1914	105	55.0	.237	13.01	.....	.....	.....	105	.....	.....
New York: 9 establishments.....	1913	140	53.7	.276	14.76	1	17	121	1	.....	.....
	1914	128	51.5	.260	13.33	50	50	23	.....	.....	.....
Ohio: 7 establishments.....	1913	146	53.9	.220	11.85	.....	6	140	.....	.....	.....
	1914	154	53.8	.219	11.79	.....	73	81	.....	.....	.....
Other States: 23 establishments.....	1913	231	56.2	.231	12.84	.....	.....	3	115	113	.....
	1914	236	55.4	.228	12.68	.....	.....	78	104	54	.....
Total: 77 establishments.....	1913	1,052	54.6	.246	13.40	14	72	620	216	130	.....
	1914	1,037	53.9	.244	13.13	80	181	513	209	54	.....

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914—Contd.

LASTING DEPARTMENT.

Occupation, sex, State, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Assemblers, for pulling-over machine, male.											
Massachusetts:											
16 establishments.....	1913	212	54.2	\$0.334	\$18.11	14	6	126	61	5	.....
	1914	223	54.0	.327	17.67	19	6	135	60	3	.....
Missouri:											
8 establishments.....	1913	82	56.7	.229	12.98	.....	.....	44	.....	7	31
	1914	104	56.7	.239	13.42	.....	.....	33	19	52	.....
New Hampshire:											
4 establishments.....	1913	51	56.4	.232	13.09	.....	.....	.....	28	23	.....
	1914	45	55.0	.259	14.23	.....	.....	.....	45	.....	.....
New York:											
5 establishments.....	1913	89	53.7	.235	12.60	.....	25	64	.....	.....	.....
	1914	81	51.8	.271	14.04	25	44	12	.....	.....	.....
Ohio:											
6 establishments.....	1913	48	56.9	.255	14.48	.....	.....	9	14	25	.....
	1914	71	57.5	.281	16.14	.....	.....	.....	27	44	.....
Other States:											
15 establishments.....	1913	115	56.8	.241	13.69	.....	.....	2	57	56	.....
	1914	122	56.8	.248	14.10	.....	.....	8	53	47	14
Total:											
54 establishments.....	1913	597	55.4	.272	15.01	14	31	245	180	116	31
	1914	646	55.2	.281	15.45	44	50	188	204	146	14
Bed-machine operators, male.											
Massachusetts:											
19 establishments.....	1913	553	54.2	.342	18.55	.....	84	360	89	20	.....
	1914	496	54.2	.337	18.25	.....	100	301	87	8	.....
Missouri:											
5 establishments.....	1913	92	57.1	.330	18.80	.....	.....	44	.....	7	41
	1914	89	56.3	.343	19.21	.....	.....	34	17	38	.....
New Hampshire:											
4 establishments.....	1913	132	55.8	.252	14.09	.....	.....	.....	97	35	.....
	1914	138	55.0	.245	13.49	.....	.....	.....	138	.....	.....
New York:											
8 establishments.....	1913	123	53.8	.362	19.46	.....	39	74	10	.....	.....
	1914	105	53.1	.319	16.92	.....	72	18	15	.....	.....
Ohio:											
5 establishments.....	1913	58	55.7	.360	20.11	.....	.....	19	21	18	.....
	1914	64	56.7	.356	20.14	.....	.....	.....	37	27	.....
Other States:											
19 establishments.....	1913	227	56.4	.326	18.39	.....	.....	4	126	97	.....
	1914	225	56.3	.321	18.08	.....	.....	4	138	63	20
Total:											
60 establishments.....	1913	1,185	55.1	.331	18.21	.....	123	501	343	177	41
	1914	1,117	54.9	.322	17.68	.....	172	357	432	136	20
Hand-method lasting-machine operators, male.											
Massachusetts:											
10 establishments.....	1913	138	54.1	.377	20.40	13	.....	71	54	.....	.....
	1914	152	54.2	.376	20.34	18	.....	48	86	.....	.....
Missouri:											
5 establishments.....	1913	62	56.5	.331	18.65	.....	.....	36	.....	.....	26
	1914	67	57.3	.310	17.66	.....	.....	13	13	41	.....
New Hampshire:											
2 establishments.....	1913	39	55.0	.277	15.21	.....	.....	.....	39	.....	.....
	1914	39	55.0	.276	15.16	.....	.....	.....	39	.....	.....
Ohio:											
6 establishments.....	1913	71	54.9	.361	19.76	.....	.....	42	20	9	.....
	1914	68	55.6	.367	20.42	.....	.....	.....	57	11	.....
Other States:											
12 establishments.....	1913	92	56.4	.367	20.68	.....	.....	28	22	42	.....
	1914	92	55.2	.351	19.25	25	.....	5	19	32	11
Total:											
35 establishments.....	1913	402	55.2	.355	19.58	13	.....	177	135	51	26
	1914	418	55.2	.349	19.20	43	.....	66	214	84	11

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914—Contd.

LASTING DEPARTMENT—Continued.

Occupation, sex, State, and number of establishments.	Year.	Number of em- ploy- ees.	Average full- time hours per week.	Aver- age rate of wages per hour.	Aver- age full- time weekly earn- ings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Pullers-over, hand, male.											
Massachusetts: 16 establishments.....	1913	442	54.3	\$0.342	\$18.57	.....	65	229	132	16	.....
	1914	379	54.4	.367	20.00	.....	42	201	124	12	.....
New Hampshire: 2 establishments.....	1913	27	55.0	.269	14.77	.....	.....	.....	27	.....	.....
	1914	24	55.0	.298	16.36	.....	.....	.....	24	.....	.....
New York: 5 establishments.....	1913	72	54.0	.361	19.51	.....	.....	72	.....	.....	.....
	1914	22	52.0	.350	18.20	2	18	.....	2	.....	.....
Ohio: 5 establishments.....	1913	75	56.7	.339	19.24	.....	.....	31	5	39	.....
	1914	66	56.1	.355	19.98	.....	.....	.....	48	18	.....
Other States: 19 establishments.....	1913	291	56.2	.321	18.04	.....	.....	22	159	102	8
	1914	238	55.7	.327	18.21	.....	.....	11	170	52	5
Total: 47 establishments.....	1913	907	55.1	.334	18.42	.....	65	354	323	157	8
	1914	729	54.9	.350	19.24	2	60	212	308	82	5
Pullers-over, machine, male.											
Massachusetts: 18 establishments.....	1913	172	54.3	.370	20.06	5	7	115	38	7	.....
	1914	144	54.2	.402	21.77	8	6	81	48	1	.....
Missouri: 8 establishments.....	1913	59	57.0	.328	18.59	.....	.....	29	.....	5	25
	1914	58	57.1	.328	18.59	.....	.....	15	9	34	m
New Hampshire: 4 establishments.....	1913	38	55.8	.297	16.59	.....	.....	.....	28	10	.....
	1914	38	55.0	.309	17.01	.....	.....	.....	38	.....	.....
New York: 8 establishments.....	1913	44	53.8	.378	20.34	.....	12	28	4	.....	.....
	1914	42	52.6	.327	17.15	8	20	8	6	.....	.....
Ohio: 6 establishments.....	1913	29	55.3	.375	20.74	.....	.....	10	14	5	.....
	1914	38	56.4	.384	21.68	.....	.....	.....	25	13	.....
Other States: 15 establishments.....	1913	79	57.2	.335	19.14	.....	.....	1	28	50	.....
	1914	76	57.0	.338	19.28	.....	.....	4	29	33	10
Total: 59 establishments.....	1913	421	55.4	.352	19.45	5	19	183	112	77	25
	1914	396	55.3	.360	19.87	16	26	108	155	81	10
Slide lasters, hand, male.											
Massachusetts: 9 establishments.....	1913	116	53.7	.318	17.08	.....	72	37	5	2	.....
	1914	138	53.6	.327	17.56	.....	88	43	7	.....	.....
New Hampshire: 2 establishments.....	1913	46	55.0	.221	12.14	.....	.....	.....	46	.....	.....
	1914	45	55.0	.208	11.45	.....	.....	.....	45	.....	.....
New York: 3 establishments.....	1913	38	53.4	.343	18.32	.....	24	14	.....	.....	.....
	1914	31	52.5	.331	17.39	.....	31	.....	.....	.....	.....
Other States: 6 establishments.....	1913	24	56.1	.326	18.25	.....	.....	9	3	12	.....
	1914	23	56.5	.351	19.76	.....	.....	1	11	10	1
Total: 20 establishments.....	1913	224	54.2	.303	16.40	.....	96	60	54	14	.....
	1914	237	54.0	.308	16.59	.....	119	44	63	10	1

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914—Contd.

LASTING DEPARTMENT—Concluded.

Occupation, sex, State, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Side lasters, machine, male.											
Massachusetts:											
6 establishments.....	1913	59	54.3	\$0.298	\$16.24	.....	.....	52	6	1	.....
	1914	59	54.4	.373	20.29	.....	.....	48	10	1	.....
New York:											
3 establishments.....	1913	42	57.3	.368	21.23	.....	.....	11	5	26	.....
	1914	46	51.1	.361	18.26	31	.....	10	5	.....	.....
Other States:											
7 establishments.....	1913	54	57.2	.315	18.05	.....	.....	.....	23	25	6
	1914	62	56.6	.302	17.09	.....	.....	.....	38	17	7
Total:											
16 establishments.....	1913	155	56.1	.323	18.23	.....	.....	63	34	52	6
	1914	167	54.3	.343	18.54	31	.....	58	53	18	7
Turn lasters, hand, male.											
Massachusetts:											
3 establishments.....	1913	32	53.8	.309	16.61	.....	21	8	3	.....	.....
	1914	60	53.8	.409	21.97	.....	35	19	6	.....	.....
Missouri:											
3 establishments.....	1913	79	55.8	.323	17.95	.....	.....	55	.....	.....	24
	1914	81	54.4	.316	17.20	.....	.....	49	32	.....	.....
New York:											
6 establishments.....	1913	162	51.9	.323	16.74	.....	119	37	6	.....	.....
	1914	194	51.8	.354	18.30	86	60	.....	48	.....	.....
Ohio:											
3 establishments.....	1913	36	56.4	.331	18.78	.....	.....	19	.....	17	.....
	1914	80	57.0	.312	17.74	.....	.....	.....	40	40	.....
Other States:											
11 establishments.....	1913	190	57.2	.281	16.07	.....	.....	3	55	132	.....
	1914	215	55.9	.276	15.42	.....	.....	1	171	13	30
Total:											
26 establishments.....	1913	499	55.0	.307	16.81	.....	140	122	64	149	24
	1914	630	54.4	.322	17.45	86	95	69	297	53	30

BOTTOMING DEPARTMENT.

Buffers, male.											
Massachusetts:											
24 establishments.....	1913	134	54.5	\$0.356	\$19.40	.....	11	71	47	5	.....
	1914	145	54.5	.353	19.24	.....	18	62	62	3	.....
Missouri:											
8 establishments.....	1913	38	57.1	.269	15.25	.....	.....	18	.....	3	17
	1914	37	57.0	.265	15.08	.....	.....	10	6	21	.....
New Hampshire:											
6 establishments.....	1913	55	55.4	.265	14.69	.....	.....	.....	47	8	.....
	1914	56	55.0	.221	12.13	.....	.....	.....	56	.....	.....
New York:											
7 establishments.....	1913	28	53.1	.396	20.53	.....	12	15	1	.....	.....
	1914	30	51.3	.327	16.86	14	15	.....	1	.....	.....
Ohio:											
7 establishments.....	1913	33	55.2	.331	18.21	.....	.....	19	8	6	.....
	1914	36	55.9	.350	19.52	.....	.....	.....	28	8	.....
Other States:											
20 establishments.....	1913	70	56.9	.273	15.86	.....	.....	3	29	38	.....
	1914	66	57.0	.285	16.29	.....	.....	3	28	27	8
Total:											
72 establishments.....	1913	358	55.3	.318	17.52	.....	23	126	132	60	17
	1914	370	55.2	.310	17.06	14	33	75	181	59	8

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914—Contd.

BOTTOMING DEPARTMENT—Continued.

Occupation, sex, State, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Edge setters, male.											
Massachusetts:											
24 establishments.....	1913	307	54.4	\$0.451	\$24.53	.....	48	158	89	12	.....
	1914	321	54.4	.442	24.05	.....	62	150	103	6	.....
Missouri:											
8 establishments.....	1913	65	57.0	.387	21.94	.....	.....	32	.....	6	27
	1914	65	56.6	.387	21.75	.....	.....	20	14	31	.....
New Hampshire:											
6 establishments.....	1913	88	55.5	.311	17.26	.....	.....	.....	72	16	.....
	1914	72	55.0	.339	18.64	.....	.....	.....	72	.....	.....
New York:											
9 establishments.....	1913	96	53.9	.453	24.43	.....	16	72	8	.....	.....
	1914	85	52.1	.427	22.25	20	47	9	9	.....	.....
Ohio:											
7 establishments.....	1913	80	55.9	.400	22.28	.....	.....	34	19	27	.....
	1914	85	56.4	.373	20.97	.....	.....	.....	55	30	.....
Other States:											
23 establishments.....	1913	190	56.5	.385	21.82	.....	.....	4	88	98	.....
	1914	199	56.4	.401	22.56	.....	.....	8	113	60	13
Total:											
77 establishments.....	1913	826	55.3	.411	22.70	.....	64	300	276	159	27
	1914	827	55.1	.410	22.54	20	109	187	366	127	18
Edge trimmers, male.											
Massachusetts:											
24 establishments.....	1913	326	54.4	.433	23.53	.....	31	182	102	11	.....
	1914	368	54.4	.414	22.52	.....	59	178	124	7	.....
Missouri:											
8 establishments.....	1913	70	57.1	.373	21.30	.....	.....	32	.....	8	30
	1914	70	56.5	.376	21.11	.....	.....	24	13	33	.....
New Hampshire:											
6 establishments.....	1913	99	55.5	.330	18.35	.....	.....	.....	88	16	.....
	1914	88	55.0	.351	19.31	.....	.....	.....	88	.....	.....
New York:											
9 establishments.....	1913	89	53.9	.495	26.63	.....	18	66	5	.....	.....
	1914	77	52.1	.454	23.69	19	41	10	7	.....	.....
Ohio:											
7 establishments.....	1913	73	55.8	.377	21.04	.....	.....	29	22	22	.....
	1914	80	56.3	.349	19.63	.....	.....	.....	54	26	.....
Other States:											
23 establishments.....	1913	158	56.8	.400	22.68	.....	.....	5	70	83	.....
	1914	156	56.6	.426	24.07	.....	.....	8	77	56	15
Total:											
77 establishments.....	1913	815	55.3	.411	22.66	.....	49	314	282	140	30
	1914	839	55.0	.404	22.18	19	100	220	363	122	15
Goodyear stitchers, male.											
Massachusetts:											
21 establishments.....	1913	264	54.3	.423	22.97	.....	45	155	56	8	.....
	1914	253	54.2	.434	23.54	.....	39	157	54	3	.....
Missouri:											
6 establishments.....	1913	52	55.9	.358	19.99	.....	.....	35	.....	5	12
	1914	49	56.0	.349	19.57	.....	.....	20	12	17	.....
New Hampshire:											
4 establishments.....	1913	71	55.8	.284	15.82	.....	.....	.....	52	19	.....
	1914	58	55.0	.305	16.78	.....	.....	.....	58	.....	.....
New York:											
8 establishments.....	1913	67	53.9	.465	25.00	.....	15	48	4	.....	.....
	1914	47	52.9	.455	24.13	.....	34	8	5	.....	.....
Ohio:											
7 establishments.....	1913	55	55.7	.310	17.19	.....	.....	23	16	16	.....
	1914	54	56.1	.324	18.09	.....	.....	.....	39	15	.....
Other States:											
21 establishments.....	1913	124	56.6	.428	24.13	.....	.....	6	57	61	.....
	1914	108	56.3	.477	26.76	.....	.....	5	63	33	7
Total:											
67 establishments.....	1913	633	55.1	.398	21.87	.....	60	267	185	109	12
	1914	569	54.9	.413	22.65	.....	73	190	231	68	7

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914—Contd.

BOTTOMING DEPARTMENT—Continued.

Occupation, sex, State, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Goodyear welters, male.											
Massachusetts: 21 establishments.....	1913	200	54.3	\$0.552	\$29.99	.....	34	115	44	7	.....
	1914	192	54.3	.531	28.82	.....	27	118	45	2	.....
Missouri: 6 establishments.....	1913	40	56.8	.494	27.90	.....	.....	21	.....	3	16
	1914	38	55.8	.440	24.51	.....	.....	17	9	12	.....
New Hampshire: 4 establishments.....	1913	50	55.7	.362	20.23	.....	.....	.....	38	12	.....
	1914	40	55.0	.430	23.64	.....	.....	.....	40	.....	.....
New York: 8 establishments.....	1913	43	53.9	.538	28.94	.....	10	28	5	.....	.....
	1914	34	53.3	.516	27.51	.....	21	6	7	.....	.....
Ohio: 7 establishments.....	1913	41	55.6	.403	22.32	.....	.....	21	9	11	.....
	1914	36	56.2	.427	23.87	.....	.....	.....	25	11	.....
Other States: 20 establishments.....	1913	84	56.7	.508	28.67	.....	.....	3	40	41	.....
	1914	78	56.5	.559	31.50	.....	.....	4	41	27	6
Total: 66 establishments.....	1913	458	55.2	.503	27.71	.....	44	188	136	74	16
	1914	418	55.0	.508	27.90	.....	48	145	167	52	6
Heel breasters, male.											
Massachusetts: 24 establishments.....	1913	64	54.5	.350	19.07	.....	11	30	20	3	.....
	1914	59	54.4	.349	19.03	.....	11	25	22	1	.....
Other States: 49 establishments.....	1913	103	55.9	.285	15.88	.....	6	27	34	29	7
	1914	102	55.6	.281	15.52	3	9	10	51	26	3
Total: 73 establishments.....	1913	167	55.4	.310	17.10	.....	17	57	54	32	7
	1914	161	55.2	.306	16.81	3	20	35	73	27	3
Heel burnishers, male.											
Massachusetts: 24 establishments.....	1913	109	54.5	.353	19.21	.....	7	61	37	4	.....
	1914	99	54.5	.359	19.57	.....	7	47	43	2	.....
Missouri: 8 establishments.....	1913	29	57.0	.254	14.32	.....	.....	14	.....	4	11
	1914	27	57.1	.251	14.32	.....	.....	6	5	16	.....
New Hampshire: 6 establishments.....	1913	24	55.5	.259	14.40	.....	.....	.....	20	4	.....
	1914	24	55.0	.245	13.45	.....	.....	.....	24	.....	.....
New York: 8 establishments.....	1913	29	53.8	.353	18.96	.....	8	20	1	.....	.....
	1914	27	52.3	.339	17.75	4	19	2	2	.....	.....
Ohio: 7 establishments.....	1913	30	56.4	.281	15.92	.....	.....	11	6	13	.....
	1914	28	57.0	.296	16.91	.....	.....	.....	14	14	.....
Other States: 22 establishments.....	1913	59	56.8	.308	17.43	.....	.....	2	26	31	.....
	1914	56	56.5	.335	18.90	.....	.....	4	30	14	8
Total: 75 establishments.....	1913	280	55.5	.317	17.54	.....	15	108	90	56	11
	1914	261	55.3	.323	17.85	4	26	59	118	46	8

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 AND 1914—Contd.

BOTTOMING DEPARTMENT—Continued.

Occupation, sex, State, and number of establishments.	Year.	Number of employ- ees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Heelers, male.											
Massachusetts: 22 establishments.....	1913	100	54.5	\$0.474	\$25.79		11	53	32	4	
	1914	103	54.5	.446	24.26		13	50	38	2	
Missouri: 8 establishments.....	1913	30	56.1	.386	21.48			19		3	8
	1914	33	56.6	.369	20.74			12	5	16	
New Hampshire: 5 establishments.....	1913	23	55.8	.345	19.30				17	6	
	1914	24	55.0	.292	16.07				24		
New York: 9 establishments.....	1913	45	53.8	.464	24.87		10	33	2		
	1914	41	52.4	.425	22.27	7	25	4	5		
Ohio: 7 establishments.....	1913	34	55.9	.350	19.47			14	9	11	
	1914	35	56.5	.337	18.92				22	13	
Other States: 21 establishments.....	1913	59	56.8	.401	22.69			2	27	30	
	1914	57	56.8	.400	22.73			4	26	17	10
Total: 72 establishments.....	1913	291	55.3	.424	23.32		21	121	87	54	8
	1914	293	55.1	.400	21.98	7	33	70	120	43	10
Heel scourers, male.											
Massachusetts: 23 establishments.....	1913	123	54.3	.350	19.03		23	59	36	5	
	1914	119	54.4	.347	18.89		24	52	40	3	
Missouri: 8 establishments.....	1913	41	57.1	.282	15.98			19		5	17
	1914	39	56.3	.242	13.55			17	5	17	
New Hampshire: 6 establishments.....	1913	43	55.4	.236	13.07				37	6	
	1914	45	55.0	.250	13.73				45		
New York: 9 establishments.....	1913	41	53.8	.383	20.63		13	23	5		
	1914	36	52.4	.390	20.50	7	20	3	6		
Ohio: 7 establishments.....	1913	37	55.7	.270	15.13			19	7	11	
	1914	36	56.4	.279	15.78				23	13	
Other States: 23 establishments.....	1913	75	56.7	.297	16.83			3	36	36	
	1914	70	56.7	.310	17.53			6	32	24	8
Total: 76 establishments.....	1913	360	55.4	.313	17.29		36	123	121	63	17
	1914	345	55.2	.312	17.18	7	44	78	151	57	8
Heel trimmers or shavers, male.											
Massachusetts: 24 establishments.....	1913	94	54.4	.493	26.79		21	43	26	4	
	1914	95	54.4	.472	25.68		22	37	34	2	
Missouri: 8 establishments.....	1913	24	56.4	.390	21.91			14		3	7
	1914	21	56.3	.363	20.35			8	4	9	
New Hampshire: 6 establishments.....	1913	20	55.3	.309	17.12				18	2	
	1914	20	55.0	.334	18.36				20		
New York: 9 establishments.....	1913	32	53.8	.558	30.03		9	20	3		
	1914	28	52.4	.512	26.87	6	15	3	4		
Ohio: 7 establishments.....	1913	28	55.9	.367	20.45			12	7	9	
	1914	28	56.4	.367	20.64				18	10	
Other States: 23 establishments.....	1913	73	56.7	.414	23.40			1	35	37	
	1914	70	56.2	.448	25.17			3	43	19	5
Total: 77 establishments.....	1913	271	55.3	.443	24.46		30	90	89	55	7
	1914	262	55.1	.439	24.14	6	37	51	123	40	5

TABLE II.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN EACH STATE, BY YEARS, 1913 and 1914—Concl'd.

BOTTOMING DEPARTMENT—Concluded.

Occupation, sex, State, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
McKay sewers, male.											
Massachusetts:											
10 establishments.....	1913	51	54.8	\$0.341	\$18.66	.....	5	12	32	2	.....
	1914	46	55.1	.394	21.65	.....	5	2	36	3	.....
Other States:											
22 establishments.....	1913	77	55.9	.305	17.03	.....		23	31	19	4
	1914	84	55.8	.315	17.55	8	2	4	38	28	4
Total:											
32 establishments.....	1913	128	55.5	.319	17.68	.....	5	35	63	21	4
	1914	130	55.5	.343	19.00	8	7	6	74	31	4
Rough rounders, male.											
Massachusetts:											
21 establishments.....	1913	102	54.3	.538	29.23	.....	16	60	23	3	.....
	1914	98	54.2	.544	29.46	.....	17	59	21	1	.....
Missouri:											
6 establishments.....	1913	20	56.9	.454	25.70	.....		10	.....	2	8
	1914	18	55.9	.501	27.84	.....		8	4	6	.....
New Hampshire:											
4 establishments.....	1913	28	55.6	.379	21.17	.....			22	6	.....
	1914	24	55.0	.413	22.73	.....			24	.....	.....
New York:											
8 establishments.....	1913	31	53.8	.524	28.16	.....	11	17	3	.....	.....
	1914	22	53.1	.476	25.41	.....	15	3	4	.....	.....
Ohio:											
7 establishments.....	1913	25	55.9	.388	21.58	.....		10	7	8	.....
	1914	24	56.0	.386	21.55	.....			18	6	.....
Other States:											
21 establishments.....	1913	55	56.5	.529	29.77	.....		2	28	25	.....
	1914	54	56.2	.546	30.53	.....	2	3	31	13	5
Total:											
67 establishments.....	1913	261	55.2	.497	27.35	.....	27	99	83	44	8
	1914	240	54.9	.506	27.74	.....	34	73	102	26	5

FINISHING DEPARTMENT.

Treers or ironers, hand, male.											
Massachusetts:											
23 establishments.....	1913	559	54.3	\$0.301	\$16.32	.....	104	298	145	12	.....
	1914	538	54.2	.302	16.38	.....	119	251	168	.....	.....
Missouri:											
8 establishments.....	1913	107	56.8	.270	15.14	.....		55	.....	13	39
	1914	105	56.3	.226	12.72	.....		47	12	46	.....
New Hampshire:											
5 establishments.....	1913	81	56.3	.243	13.74	.....			47	34	.....
	1914	75	55.0	.253	13.90	.....			75	.....	.....
New York:											
6 establishments.....	1913	52	53.7	.252	13.50	.....	21	26	5	.....	.....
	1914	62	53.3	.230	12.27	.....	37	17	8	.....	.....
Ohio:											
7 establishments.....	1913	75	56.1	.219	12.42	.....		26	22	27	.....
	1914	87	56.7	.230	13.05	.....			49	38	.....
Other States:											
21 establishments.....	1913	226	56.7	.283	15.99	.....		5	102	119	.....
	1914	242	56.6	.296	16.73	.....		12	121	86	23
Total:											
70 establishments.....	1913	1,100	55.3	.282	15.54	.....	125	410	321	205	3
	1914	1,109	55.1	.281	15.45	.....	156	327	433	170	2

TABLE III.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, BY STATES, 1914.

[This table includes all data secured for 1914 whether or not comparable data were available for 1913.]

CUTTING DEPARTMENT.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Cutters, vamp and whole shoe, hand, male:											
Massachusetts.....	24	684	52.8	\$0.380	\$19.99	178	171	288	47	.....	.....
Missouri.....	5	125	55.1	.377	20.71	.....	.....	44	68	13	.....
New York.....	11	273	52.1	.368	19.14	67	137	36	33	.....	.....
Ohio.....	6	205	53.9	.412	22.14	109	.....	.....	15	81	.....
Other States.....	29	525	56.1	.326	18.27	.....	10	37	314	109	55
Total.....	75	1,812	54.0	.366	19.66	354	318	405	477	203	55
Cutters, vamp and whole shoe, machine, male:											
Massachusetts.....	14	252	53.8	.360	19.39	42	.....	128	82	.....	.....
Missouri.....	5	95	58.0	.258	15.01	.....	.....	11	.....	84	.....
New Hampshire.....	2	98	55.0	.338	18.60	.....	.....	.....	98	.....	.....
New York.....	4	68	53.2	.356	18.89	16	20	.....	32	.....	.....
Ohio.....	3	26	56.1	.292	16.27	.....	.....	.....	19	7	.....
Other States.....	12	10	57.6	.278	16.02	.....	.....	3	29	66	5
Total.....	40	642	55.3	.325	17.93	58	20	142	260	157	.....
Skivers, upper, machine, male:											
Massachusetts.....	15	80	54.1	.313	16.93	.....	.....	75	5	.....	.....
Other States.....	14	36	55.2	.268	14.69	.....	10	.....	19	7	.....
Total.....	29	116	54.4	.299	16.13	.....	10	75	24	7	.....
Skivers, upper, machine, female:											
Massachusetts.....	19	116	53.9	.226	12.17	.....	26	90	.....	.....	.....
Missouri.....	6	56	53.5	.201	10.72	7	.....	49	.....	.....	.....
New Hampshire.....	7	41	55.0	.186	10.22	.....	.....	.....	41	.....	.....
New York.....	9	53	51.8	.236	12.19	19	18	16	.....	.....	.....
Ohio.....	7	44	53.8	.189	10.16	.....	20	24	.....	.....	.....
Other States.....	29	136	55.4	.202	11.15	.....	.....	39	69	28	.....
Total.....	77	446	54.1	.209	11.30	26	64	218	110	28	.....

SOLE-LEATHER DEPARTMENT.

Channelers, insole and outsole, male:											
Massachusetts.....	21	78	54.3	\$0.376	\$20.45	.....	11	41	26	.....	.....
New York.....	11	32	52.6	.330	17.35	6	15	3	8	.....	.....
Other States.....	45	103	56.6	.298	16.85	.....	.....	4	55	36	8
Total.....	77	213	55.2	.331	18.24	6	26	48	89	36	8
Cutters, outsole, male:											
Massachusetts.....	14	74	54.4	.324	17.58	.....	6	43	24	1	.....
Missouri.....	2	44	54.0	.346	18.70	.....	.....	44	.....	.....	.....
Other States.....	31	107	55.9	.270	15.06	2	3	2	73	16	11
Total.....	47	225	55.0	.302	16.64	2	9	89	97	17	11

TABLE III.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, BY STATES, 1914—Continued.

FITTING OR STITCHING DEPARTMENT.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Backstay stitchers, female:											
Massachusetts	24	137	53.9	\$0.228	\$12.32	.....	13	124	.....	.....	.....
Missouri	8	54	53.6	.162	8.63	6	48	.....	.....	.....	.....
New Hampshire	6	54	55.0	.167	9.17	.....	.....	.....	54	.....	.....
New York	9	39	53.0	.224	11.85	7	11	21	.....	.....	.....
Ohio	7	36	53.8	.168	9.06	.....	15	21	.....	.....	.....
Other States	28	112	55.5	.189	10.49	.....	.....	36	52	24	.....
Total	82	432	54.3	.197	10.68	13	39	250	106	24	.....
Buttonhole makers, female:											
Massachusetts	23	164	53.8	.239	12.89	.....	44	120	.....	.....	.....
Missouri	7	59	53.1	.195	10.32	14	45	.....	.....	.....	.....
New Hampshire	6	32	55.0	.156	8.60	.....	.....	.....	32	.....	.....
New York	9	77	51.6	.189	9.80	32	27	18	.....	.....	.....
Ohio	7	49	53.8	.163	8.77	.....	28	21	.....	.....	.....
Other States	28	125	55.7	.177	9.86	.....	.....	45	41	39	.....
Total	80	506	53.9	.198	10.70	46	99	249	73	39	.....
Closers-on, female:											
Massachusetts	21	83	53.9	.216	11.63	.....	11	72	.....	.....	.....
Missouri	8	52	53.3	.170	9.05	9	43	.....	.....	.....	.....
New Hampshire	5	19	55.0	.209	11.48	.....	.....	.....	19	.....	.....
New York	10	61	53.0	.190	9.86	19	28	13	.....	.....	.....
Ohio	6	33	53.8	.160	8.59	.....	14	19	.....	.....	.....
Other States	27	99	55.1	.197	10.88	.....	.....	36	49	14	.....
Total	77	347	53.9	.193	10.42	28	54	183	68	14	.....
Lining makers, female:											
Massachusetts	24	265	53.9	.210	11.28	.....	29	236	.....	.....	.....
Missouri	6	57	53.0	.163	8.65	14	43	.....	.....	.....	.....
New Hampshire	6	76	55.0	.161	8.85	.....	.....	.....	76	.....	.....
New York	11	117	52.1	.207	10.78	38	46	33	.....	.....	.....
Ohio	7	100	53.7	.168	9.01	.....	59	41	.....	.....	.....
Other States	30	237	55.4	.181	10.01	.....	.....	83	104	50	.....
Total	84	852	54.1	.189	10.21	52	134	436	180	50	.....
Tip stitchers, female:											
Massachusetts	23	120	53.9	.243	13.11	.....	19	101	.....	.....	.....
Missouri	8	36	53.6	.190	10.17	4	32	.....	.....	.....	.....
New Hampshire	6	29	55.0	.216	11.87	.....	.....	.....	29	.....	.....
New York	10	29	52.4	.224	11.73	6	15	8	.....	.....	.....
Ohio	7	30	53.8	.189	10.14	.....	13	17	.....	.....	.....
Other States	29	104	55.2	.210	11.58	.....	.....	37	48	19	.....
Total	83	348	54.2	.219	11.87	10	47	195	77	19	.....
Top stitchers or undertrimmers, female:											
Massachusetts	24	348	53.8	.230	12.40	.....	70	278	.....	.....	.....
Missouri	8	119	53.5	.190	10.13	16	103	.....	.....	.....	.....
New Hampshire	6	134	55.0	.177	9.73	.....	.....	.....	134	.....	.....
New York	11	115	52.2	.237	12.52	36	38	41	.....	.....	.....
Ohio	7	116	53.8	.200	10.78	.....	48	68	.....	.....	.....
Other States	30	244	55.6	.211	11.71	.....	.....	81	96	67	.....
Total	86	1,076	54.2	.212	11.48	52	156	571	230	67	.....
Vampers, male:											
Massachusetts	22	289	54.0	.333	18.02	.....	65	174	50	.....	.....
New Hampshire	6	59	55.0	.259	14.27	.....	.....	.....	59	.....	.....
New York	7	40	52.7	.327	17.24	6	26	8	.....	.....	.....
Other States	30	146	56.2	.288	16.15	.....	.....	21	72	46	7
Total	65	534	54.6	.312	17.04	6	91	195	189	46	7

TABLE III.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, BY STATES, 1914—Continued.

FITTING OR STITCHING DEPARTMENT—Concluded.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Vampers, female:											
Massachusetts.....	24	292	53.9	\$0.266	\$14.36		58	234			
Missouri.....	8	122	53.0	.240	12.67	30		92			
New Hampshire.....	6	105	55.0	.237	13.01				105		
New York.....	10	155	52.1	.266	13.84	50	50	55			
Ohio.....	7	154	53.8	.219	11.79		73	81			
Other States.....	30	288	55.5	.225	12.49			102	113	73	
Total.....	85	1,116	54.1	.243	13.14	80	181	564	218	73	

LASTING DEPARTMENT.

Assemblers, for pulling-over machine, male:											
Massachusetts.....	16	223	54.0	\$0.327	\$17.67	19	6	135	60	3	
Missouri.....	8	104	56.7	.239	13.42			33	19	52	
New Hampshire.....	4	45	55.0	.259	14.23				45		
New York.....	7	105	52.5	.266	13.96	25	44	12	24		
Ohio.....	6	71	57.5	.281	16.14				27	44	
Other States.....	23	160	57.3	.250	14.32			8	57	71	24
Total.....	64	708	55.3	.279	15.37	44	50	188	232	170	24
Bed-machine operators, male:											
Massachusetts.....	20	501	54.2	.337	18.28		100	301	92	8	
Missouri.....	5	89	56.3	.343	19.21			34	17	38	
New Hampshire.....	4	138	55.0	.245	13.49				138		
New York.....	9	109	53.2	.316	16.51		72	18	19		
Ohio.....	5	64	56.7	.356	20.14				37	27	
Other States.....	27	272	56.8	.316	17.95			4	140	94	34
Total.....	70	1,173	55.1	.321	17.68		172	357	443	167	34
Hand-method lasting-machine operators, male:											
Massachusetts.....	10	152	54.2	.376	20.34	18		48	86		
Missouri.....	4	72	57.4	.313	17.88			13	13	46	
New Hampshire.....	2	39	55.0	.276	15.16				39		
Ohio.....	6	68	55.6	.367	20.42				57	11	
Other States.....	17	125	56.1	.347	19.35	25		5	23	60	12
Total.....	41	456	55.5	.348	19.25	43		66	218	117	12
Pullers-over, hand, male:											
Massachusetts.....	16	379	54.4	.367	20.00		42	201	124	12	
New Hampshire.....	2	24	55.0	.298	16.36				24		
New York.....	6	38	52.8	.345	18.20	2	18	16	2		
Ohio.....	5	66	56.1	.355	19.98				43	18	
Other States.....	20	242	55.8	.327	18.19			11	170	56	5
Total.....	49	749	54.9	.350	19.21	2	60	228	368	86	5
Pullers-over, machine, male:											
Massachusetts.....	19	145	54.2	.402	21.74	8	7	81	48	1	
Missouri.....	8	58	57.1	.328	18.59			15	9	34	
New Hampshire.....	4	38	55.0	.309	17.01				38		
New York.....	10	53	53.0	.341	17.99	8	23	8	14		
Ohio.....	6	38	56.4	.384	21.68				25	13	
Other States.....	24	111	57.4	.323	18.53			4	37	52	18
Total.....	71	443	55.5	.356	19.66	16	30	108	171	100	18

TABLE III.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, BY STATES, 1914—Continued.

LASTING DEPARTMENT—Concluded.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60.
Side lasters, hand, male:											
Massachusetts.....	9	138	53.6	\$0.327	\$17.56		88	43	7		
New Hampshire.....	2	45	55.0	.208	11.45				45		
New York.....	3	31	52.5	.331	17.39		31				
Other States.....	6	23	56.5	.351	19.76			1	11	10	1
Total.....	20	237	54.0	.308	16.59		119	44	63	10	1
Side lasters, machine, male:											
Massachusetts.....	6	59	54.4	.373	20.29			48	10	1	
New York.....	3	46	51.1	.361	18.26	31		10	5		
Other States.....	7	62	56.6	.302	17.09				38	17	7
Total.....	16	167	54.3	.343	18.54	31		58	53	18	7
Turn lasters, hand, male:											
Massachusetts.....	4	81	54.1	.385	20.79		35	19	27		
Missouri.....	3	81	54.4	.316	17.20			49	32		
New York.....	8	226	52.1	.357	18.58	86	75		65		
Ohio.....	3	80	57.0	.312	17.74				40	40	
Other States.....	13	221	56.0	.275	15.42			1	171	16	33
Total.....	31	689	54.4	.324	17.56	86	110	69	335	56	33

BOTTOMING DEPARTMENT.

Butfers, male:											
Massachusetts.....	24	145	54.5	\$0.353	\$19.24		18	62	62	3	
Missouri.....	8	37	57.0	.265	15.08			10	6	21	
New Hampshire.....	6	56	55.0	.221	12.13				56		
New York.....	8	37	52.0	.330	17.26	14	15		8		
Ohio.....	7	36	55.9	.350	19.52				28	8	
Other States.....	28	85	57.2	.286	16.29			3	32	38	12
Total.....	81	396	55.3	.309	17.05	14	33	75	192	70	12
Edge setters, male:											
Massachusetts.....	24	321	54.4	.442	24.05		62	150	103	6	
Missouri.....	8	65	56.6	.387	21.75			20	14	31	
New Hampshire.....	6	72	55.0	.339	18.64				72		
New York.....	11	101	52.2	.435	22.66	28	47	9	17		
Ohio.....	7	85	56.4	.373	20.97				55	30	
Other States.....	30	228	56.8	.395	22.34			8	113	82	25
Total.....	86	872	55.2	.410	22.54	28	109	187	374	149	25
Edge trimmers, male:											
Massachusetts.....	24	368	54.4	.414	22.52		59	178	124	7	
Missouri.....	8	70	56.5	.376	21.11			24	13	33	
New Hampshire.....	6	88	55.0	.351	19.31				88		
New York.....	10	94	52.7	.429	22.57	19	41	10	24		
Ohio.....	7	80	56.3	.349	19.63				54	26	
Other States.....	30	186	56.9	.411	23.35			8	81	76	21
Total.....	85	886	55.1	.400	22.01	19	100	220	384	142	21
Goodyear stitchers, male:											
Massachusetts.....	21	253	54.2	.434	23.54		39	157	54	3	
Missouri.....	6	49	56.0	.349	19.57			20	12	17	
New Hampshire.....	4	58	55.0	.305	16.78				58		
New York.....	8	47	52.9	.455	24.13		34	8	5		
Ohio.....	7	54	56.1	.324	13.69				39	15	
Other States.....	28	133	56.3	.454	25.65			5	64	51	13
Total.....	74	594	55.1	.410	22.57		73	190	232	86	13

TABLE III.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, BY STATES, 1914—Continued.**BOTTOMING DEPARTMENT—Concluded.**

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					6
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	
Goodyear welters, male:											
Massachusetts	21	192	54.3	\$0.531	\$28.82		27	118	45	2	
Missouri	6	38	55.8	.440	24.51			17	9	12	
New Hampshire	4	40	55.0	.430	23.64				40		
New York	8	34	53.3	.516	27.51		21	6	7		
Ohio	7	36	56.2	.427	23.87				25	11	
Other States	28	99	57.0	.524	29.74			4	43	41	11
Total	74	439	55.2	.503	27.68		48	145	109	66	11
Heel breasters, male:											
Massachusetts	24	59	54.4	.349	19.03		11	25	22	1	
Other States	58	114	55.8	.279	15.50	3	9	10	56	32	4
Total	82	173	55.3	.303	16.71	3	20	35	78	33	4
Heel burnishers, male:											
Massachusetts	24	99	54.5	.359	19.57		7	47	43	2	
Missouri	8	27	57.1	.251	14.32			6	5	16	
New Hampshire	6	24	55.0	.245	13.45				24		
New York	9	30	52.6	.335	17.64	4	19	2	5		
Ohio	7	28	57.0	.296	16.91				14	14	
Other States	30	75	57.0	.329	18.69			4	32	27	12
Total	84	283	55.5	.322	17.86	4	26	59	123	59	12
Heelers, male:											
Massachusetts	24	109	54.5	.446	24.27		13	53	41	2	
Missouri	8	33	56.6	.369	20.74			12	5	16	
New Hampshire	6	27	55.0	.293	16.14				27		
New York	10	45	52.6	.424	22.30	7	25	4	9		
Ohio	7	35	56.5	.337	18.92				22	13	
Other States	29	75	57.3	.409	23.40			4	27	30	14
Total	84	324	55.3	.402	22.18	7	38	73	131	61	14
Heel scourers, male:											
Massachusetts	23	119	54.4	.347	18.89		24	52	40	3	
Missouri	8	39	56.3	.242	13.55			17	5	17	
New Hampshire	6	45	55.0	.250	13.73				45		
New York	10	45	52.9	.365	19.34	7	20	3	15		
Ohio	7	36	56.4	.279	15.78				23	13	
Other States	30	88	57.1	.304	17.36			6	33	35	14
Total	84	372	55.3	.310	17.10	7	44	78	161	68	14
Heel trimmers or shavers, male:											
Massachusetts	24	95	54.4	.472	25.68		22	37	34	2	
Missouri	8	21	56.3	.363	20.35			8	4	9	
New Hampshire	6	20	55.0	.334	18.36				20		
New York	10	31	52.6	.496	26.15	6	15	3	7		
Ohio	7	28	56.4	.367	20.64				18	10	
Other States	30	82	56.6	.430	24.28			3	44	26	9
Total	85	277	55.2	.433	23.88	6	37	51	127	47	9
McKay sewers, male:											
Massachusetts	10	46	55.1	.394	21.65		5	2	36	3	
Other States	29	101	56.0	.313	17.46	8	2	4	47	33	7
Total	39	147	55.7	.338	18.77	8	7	6	83	36	7
Rough rounders, male:											
Massachusetts	21	98	54.2	.544	29.46		17	59	21	1	
Missouri	6	18	55.9	.501	27.84			8	4	6	
New Hampshire	4	24	55.0	.413	22.73				24		
New York	8	22	53.1	.476	25.41		15	3	4		
Ohio	7	24	56.0	.386	21.55				18	6	
Other States	27	66	56.7	.525	29.63		2	3	31	21	9
Total	73	252	55.1	.503	27.64		34	73	102	34	9

TABLE III.—AVERAGE RATES OF WAGES PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, BY STATES, 1914—Concluded.

FINISHING DEPARTMENT.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Average full-time weekly earnings.	Number of employees whose full-time hours per week were—					
						Over 48 and under 51	51 and under 54	54	Over 54 and under 57	57 and under 60	60
Treers or ironers, hand, male:											
Massachusetts.....	23	538	54.2	\$0.302	\$16.38	.....	119	251	168	.....	.....
Missouri.....	8	105	56.3	.226	12.72	.....	.....	47	12	46	.....
New Hampshire.....	6	78	55.0	.253	13.92	.....	.....	.....	78	.....	.....
New York.....	8	88	53.6	.249	13.37	.....	44	17	27	.....	.....
Ohio.....	7	87	56.7	.230	13.05	.....	.....	.....	49	38	.....
Other States.....	28	308	57.0	.284	16.15	.....	.....	12	128	130	38
Total.....	80	1,204	55.3	.279	15.38	.....	163	327	462	214	38

OTHER EMPLOYEES, ALL DEPARTMENTS.

Male:											
Massachusetts.....	25	7,017	54.4	\$0.250	\$13.57	¹ 24	1,018	3,541	2,326	87	² 21
Missouri.....	11	1,890	56.5	.204	11.51	² 2	.....	751	236	888	⁴ 13
New Hampshire.....	7	2,060	55.0	.199	10.27	.....	.....	.....	2,000	.....	.....
New York.....	11	2,717	52.6	.239	12.59	⁵ 590	1,186	253	679	.....	⁶ 9
Ohio.....	7	2,079	56.3	.190	10.67	.....	.....	.....	1,421	652	⁷ 6
Other States.....	30	5,124	55.9	.211	11.86	.....	.....	262	2,212	1,938	⁸ 712
Total.....	91	20,887	55.0	.224	12.29	⁹ 616	2,204	4,807	8,934	3,565	¹⁰ 761
Female:											
Massachusetts.....	25	4,670	53.8	.184	9.90	¹¹ 9	850	3,811	.....	.....	.....
Missouri.....	9	1,133	53.3	.151	8.05	190	.....	943	.....	.....	.....
New Hampshire.....	7	851	55.0	.171	9.40	.....	.....	.....	851	.....	.....
New York.....	11	1,435	51.9	.183	9.49	¹² 448	666	321	.....	.....	.....
Ohio.....	7	1,090	53.8	.142	7.63	.....	531	559	.....	.....	.....
Other States.....	30	3,168	55.4	.151	8.36	.....	.....	1,261	1,159	741	⁷
Total.....	89	12,347	54.0	.168	9.05	¹³ 647	2,047	6,895	2,010	741	7

¹ Including 2 employees whose full-time hours per week were 48 and 6 employees whose full-time hours per week were under 48.

² Including 10 employees whose full-time hours per week were over 60.

³ 48 hours.

⁴ Including 4 employees whose full-time hours per week were over 60.

⁵ Including 7 employees whose full-time hours per week were under 48.

⁶ Including 2 employees whose full-time hours per week were over 60.

⁷ Over 60 hours.

⁸ Including 15 employees whose full-time hours per week were over 60.

⁹ Including 4 employees whose full-time hours per week were 48 and 13 employees whose full-time hours per week were under 48.

¹⁰ Including 37 employees whose full-time hours per week were over 60.

¹¹ Including 1 employee whose full-time hours per week were 48 and 8 employees whose full-time hours per week were under 48.

¹² Including 6 employees whose full-time hours per week were under 48.

¹³ Including 1 employee whose full-time hours per week were 48 and 14 employees whose full-time hours per week were under 48.

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914.

[The figures are for identical establishments in both years.]

CUTTING DEPARTMENT.

Occupation, sex, State, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.														
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.			
Cutters, vamp and whole shoe, hand, male.																			
Massachusetts:																			
24 establishments.	1913	823	53.0	\$0.362	.....	.....	.....	.....	1	5	1	19	95	551	88	63			
	1914	684	52.8	.380	.....	.....	.....	.....	.....	.....	.....	9	75	418	80	93			
Missouri:																			
5 establishments.	1913	112	56.8	.324	.....	.....	.....	.....	.....	.....	.....	5	32	64	11	.....			
	1914	125	55.1	.377	.....	.....	.....	.....	.....	1	.....	7	10	54	46	7			
New York:																			
10 establishments.	1913	303	53.7	.371	.....	.....	.....	.....	.....	1	13	34	149	97	8	.....			
	1914	272	52.1	.368	.....	.....	.....	.....	.....	2	17	26	133	84	10	.....			
Ohio:																			
6 establishments.	1913	204	55.6	.372	.....	.....	.....	.....	.....	3	13	26	85	63	13	.....			
	1914	205	53.9	.412	.....	.....	.....	.....	1	.....	9	14	63	85	34	.....			
Other States:																			
23 establishments.	1913	481	56.4	.321	.....	.....	.....	.....	1	16	16	102	75	166	81	24			
	1914	471	55.9	.327	.....	.....	.....	2	13	13	24	69	59	193	63	35			
Total:																			
68 establishments.	1913	1,923	54.5	.352	.....	.....	.....	.....	2	25	19	152	262	1015	340	108			
	1914	1,757	53.8	.368	.....	.....	.....	2	14	14	26	111	134	860	367	179			
Cutters, vamp and whole shoe, machine, male.																			
Massachusetts:																			
13 establishments.	1913	198	53.7	.368	.....	.....	.....	.....	.....	.....	.....	4	11	171	9	3			
	1914	243	53.8	.359	.....	.....	.....	.....	.....	.....	.....	9	26	193	12	3			
Missouri:																			
5 establishments.	1913	85	57.8	.259	.....	.....	.....	.....	2	8	6	25	20	19	5	.....			
	1914	95	58.0	.258	.....	.....	.....	1	.....	3	10	39	18	18	4	2			
New Hampshire:																			
2 establishments.	1913	116	56.1	.300	.....	.....	.....	.....	1	.....	4	21	33	46	10	1			
	1914	98	55.0	.338	.....	.....	.....	.....	.....	3	4	16	21	27	16	11			
New York:																			
3 establishments.	1913	33	52.5	.426	.....	.....	.....	.....	.....	.....	.....	.....	2	11	9	11			
	1914	36	51.6	.402	.....	.....	.....	1	1	.....	.....	.....	1	8	22	3			
Ohio:																			
3 establishments.	1913	27	56.5	.313	.....	.....	.....	.....	.....	1	1	3	5	14	3	.....			
	1914	26	56.1	.292	.....	.....	.....	1	1	3	.....	3	5	9	4	.....			
Other States:																			
9 establishments.	1913	69	57.4	.256	.....	.....	.....	1	3	2	3	29	18	11	2	.....			
	1914	70	56.9	.272	.....	.....	.....	.....	.....	3	3	20	24	20	.....	.....			
Total:																			
35 establishments.	1913	528	55.5	.322	.....	.....	.....	1	6	11	14	82	89	272	38	15			
	1914	568	55.1	.328	.....	.....	.....	3	2	12	17	87	95	275	53	19			
Skivers, upper, machine, male.																			
Massachusetts:																			
14 establishments.	1913	94	54.1	.302	.....	.....	.....	.....	.....	3	2	31	51	7	.....				
	1914	79	54.1	.314	.....	.....	.....	1	.....	1	2	10	57	8	.....				
Other States:																			
8 establishments.	1913	29	55.0	.293	.....	.....	.....	2	8	4	1	3	2	8	3	3			
	1914	28	54.7	.276	.....	.....	.....	1	.....	3	5	3	4	9	2	1			
Total:																			
22 establishments.	1913	123	54.3	.300	.....	.....	.....	2	3	4	4	5	33	59	10	3			
	1914	107	54.2	.304	.....	.....	.....	2	.....	3	6	5	14	66	10	1			

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Continued.

CUTTING DEPARTMENT—Concluded.

Occupation, sex, State, and number of establishments.	Year.	Number of em- ploy- ees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.											
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.
Skivers, upper, ma- chine, female.																
Massachusetts: 16 establishments.	1913	109	53.6	\$0.225	.....	.....	4	7	9	21	10	12	26	18	2	.....
	1914	110	53.9	.224	.....	2	.....	4	9	25	10	17	30	11	2	.....
Missouri: 6 establishments..	1913	57	54.0	.183	.....	2	4	6	4	10	12	13	6	.....	.....	.....
	1914	56	53.5	.201	.....	1	5	5	4	7	5	18	8	3	.....	.....
New Hampshire: 6 establishments..	1913	51	55.6	.197	.....	.....	1	5	1	3	9	28	4	.....	.....	.....
	1914	33	55.0	.194	.....	.....	.....	2	2	6	6	15	2	.....	.....	.....
New York: 8 establishments..	1913	51	53.6	.254	.....	.....	.....	.....	.....	5	4	22	12	6	2	.....
	1914	46	51.4	.245	.....	.....	.....	.....	.....	2	7	17	13	7	.....	.....
Ohio: 7 establishments..	1913	52	53.8	.182	.....	.....	6	4	9	7	8	13	5	.....	.....	.....
	1914	44	53.8	.189	.....	1	3	3	9	6	5	12	3	2	.....	.....
Other States: 22 establishments.	1913	119	56.3	.197	.....	1	8	8	10	18	13	43	12	6	.....	.....
	1914	113	55.4	.202	.....	.....	6	7	11	16	21	34	9	6	3	.....
Total: 65 establishments.	1913	439	54.6	.207	.....	3	23	30	33	64	56	131	65	30	4	.....
	1914	402	54.0	.211	.....	4	14	21	35	62	54	113	65	29	5	.....

SOLE-LEATHER DEPARTMENT.

Channelers, insole and outsole, male.																
Massachusetts: 21 establishments.	1913	80	54.3	\$0.369								1	13	41	20	5
	1914	78	54.3	.376								4	8	41	18	7
New York: 9 establishments.	1913	23	53.5	.343									5	15	3	
	1914	24	52.5	.331									3	13	5	
Other States: 39 establishments.	1913	87	56.9	.301						2	1	17	25	34	7	1
	1914	92	56.3	.305					2	1	3	12	27	37	10	
Total: 69 establishments.	1913	190	55.4	.335						2	1	18	43	90	30	6
	1914	194	55.0	.337					2	1	3	19	38	91	33	7
Cutters, outsole, male.																
Massachusetts: 14 establishments.	1913	79	54.3	.323									26	48	5	
	1914	74	54.4	.324									1	19	54	
Missouri: 2 establishments.	1913	44	55.6	.324										44		
	1914	44	54.0	.346										5	39	
Other States: 22 establishments.	1913	63	56.2	.266						3	1	19	21	19		
	1914	57	55.9	.274					1	3	1	11	17	23	1	
Total: 38 establishments.	1913	186	55.2	.304						3	1	19	47	111	5	
	1914	175	54.8	.313					1	3	1	12	41	116	1	

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Continued.

FITTING OR STITCHING DEPARTMENT.

Occupation, sex, State, and number of establishments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Number of employees earning each classified rate of wages per hour.												
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.	
Backstay stitchers, female.																	
Massachusetts: 24 establishments	1913	128	53.6	\$0.213	.....	.....	3	5	9	19	18	39	19	15	1	.....	
	1914	137	53.9	.228	.....	.....	1	5	3	13	15	50	39	11	.....	.....	
Missouri: 8 establishments	1913	37	54.0	.169	.....	1	5	7	6	1	9	6	1	1	.....	.....	
	1914	54	53.6	.162	.....	5	9	6	8	9	4	12	1	.....	.....	.....	
New Hampshire: 6 establishments	1913	58	55.4	.179	.....	.....	5	6	13	12	4	13	3	2	.....	.....	
	1914	54	55.0	.167	.....	2	7	10	9	9	6	6	4	1	.....	.....	
New York: 7 establishments	1913	28	53.6	.175	.....	1	2	.....	9	7	4	3	.....	2	.....	.....	
	1914	25	51.9	.219	.....	.....	.....	.....	3	3	5	8	2	4	.....	.....	
Ohio: 7 establishments	1913	34	53.9	.168	.....	.....	2	5	8	7	3	9	.....	.....	.....	.....	
	1914	36	53.8	.168	.....	1	2	9	6	4	5	7	1	1	.....	.....	
Other States: 21 establishments	1913	94	56.2	.195	.....	1	4	12	10	17	15	16	15	4	.....	.....	
	1914	93	55.3	.188	.....	2	3	16	16	10	13	16	11	4	.....	.....	
Total: 73 establishments.	1913	379	54.6	.192	.....	3	21	35	55	63	53	86	38	24	1	.....	
	1914	399	54.2	.196	.....	10	22	46	45	48	50	99	58	21	.....	.....	
Buttonhole makers, female.																	
Massachusetts: 23 establishments	1913	156	53.8	.218	.....	.....	13	18	13	13	14	34	26	21	3	1	
	1914	164	53.8	.239	.....	1	2	8	15	20	16	37	34	22	8	1	
Missouri: 7 establishments	1913	52	54.0	.184	.....	2	2	5	6	10	9	13	4	1	.....	.....	
	1914	59	53.1	.195	.....	2	9	9	5	3	6	19	5	1	.....	.....	
New Hampshire: 6 establishments	1913	37	55.5	.158	.....	2	4	6	9	6	4	6	.....	.....	.....	.....	
	1914	32	55.0	.156	.....	2	3	5	8	3	7	4	.....	.....	.....	.....	
New York: 8 establishments	1913	83	53.4	.190	.....	.....	5	8	11	11	14	27	7	.....	.....	.....	
	1914	72	51.4	.189	.....	1	6	5	7	13	10	22	6	2	.....	.....	
Ohio: 7 establishments	1913	58	53.9	.157	2	2	11	12	9	8	4	7	1	1	.....	1	
	1914	49	53.8	.163	.....	1	5	11	9	9	4	6	4	.....	.....	.....	
Other States: 20 establishments	1913	103	57.0	.192	1	10	8	13	14	10	8	12	15	12	.....	.....	
	1914	101	55.7	.178	2	1	13	10	22	12	12	15	11	2	1	.....	
Total: 71 establishments.	1913	489	54.6	.192	3	16	43	62	62	58	53	99	53	35	3	2	
	1914	477	53.8	.200	2	8	38	48	66	60	55	103	60	27	9	1	
Closers-on, female.																	
Massachusetts: 21 establishments	1913	95	53.6	.217	.....	.....	4	9	10	6	11	28	15	10	2	.....	
	1914	83	53.9	.216	.....	1	2	2	5	10	12	28	18	5	.....	.....	
Missouri: 8 establishments	1913	46	54.0	.172	.....	.....	5	9	9	4	2	16	1	.....	.....	.....	
	1914	52	53.3	.170	.....	2	10	7	7	2	6	15	3	.....	.....	.....	
New Hampshire: 5 establishments	1913	17	55.4	.174	.....	.....	2	3	3	1	3	4	1	.....	.....	.....	
	1914	19	55.0	.209	.....	.....	2	6	2	1	7	.....	1	.....	.....	.....	
New York: 9 establishments	1913	67	53.4	.186	.....	.....	4	10	14	11	10	9	6	2	1	.....	
	1914	53	51.5	.183	.....	2	2	5	8	11	6	14	5	.....	.....	.....	
Ohio: 6 establishments	1913	29	53.9	.186	.....	.....	1	2	4	5	8	6	3	.....	.....	.....	
	1914	33	53.8	.160	2	2	6	2	5	4	4	7	1	.....	.....	.....	

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Continued.

FITTING OR STITCHING DEPARTMENT—Continued.

Occupation, sex, State, and number of establishments.	Year.	Number of employ- ees.	Average full- time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.												
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.	
Closers-on, female— Concluded.																	
Other States: 20 establishments.	1913	83	56.2	\$0.184	....	5	6	10	9	11	11	21	8	1	1	....	
	1914	85	55.0	.199	....	....	2	7	13	13	13	26	5	6	....	....	
Total: 69 establishments.	1913	337	54.4	.191	....	5	22	43	49	38	45	84	34	13	4	....	
	1914	325	53.8	.193	2	7	22	25	44	42	42	97	32	12	....	....	
Lining makers, female.																	
Massachusetts: 24 establishments.	1913	274	53.7	.214	....	2	16	23	16	28	33	86	40	29	1	....	
	1914	265	53.9	.210	....	5	19	12	17	36	26	86	43	19	2	....	
Missouri: 6 establishments...	1913	60	54.0	.168	....	3	5	8	8	11	11	13	1	....	....	....	
	1914	57	53.0	.163	....	4	7	7	10	10	5	13	1	....	....	....	
New Hampshire: 6 establishments...	1913	91	55.4	.159	....	8	12	16	12	16	9	16	2	....	....	....	
	1914	76	55.0	.161	3	5	9	11	11	12	10	10	4	1	....	....	
New York: 10 establishments.	1913	103	52.9	.196	....	5	4	11	14	13	8	27	14	7	....	....	
	1914	100	51.6	.203	....	1	7	10	11	9	15	26	12	8	1	....	
Ohio: 7 establishments...	1913	97	54.0	.181	2	2	8	12	9	11	20	25	5	3	....	....	
	1914	100	53.7	.168	2	4	10	12	12	22	17	16	5	....	....	....	
Other States: 23 establishments.	1913	208	56.5	.178	3	9	29	26	20	21	24	53	17	6	....	....	
	1914	206	55.2	.180	....	6	16	32	25	30	24	55	10	8	....	....	
Total: 76 establishments.	1913	833	54.5	.190	5	29	74	96	79	100	105	220	79	45	1	....	
	1914	804	53.9	.188	5	25	68	84	86	119	97	206	75	36	3	....	
Tip stitchers, female.																	
Massachusetts: 23 establishments.	1913	112	53.7	.249	....	....	2	3	10	8	11	27	20	31	....	....	
	1914	120	53.9	.243	....	....	3	8	4	13	10	28	25	27	2	....	
Missouri: 8 establishments...	1913	29	54.0	.196	....	....	1	4	4	4	3	9	3	1	....	....	
	1914	36	53.6	.190	....	3	3	1	4	6	4	9	4	2	....	....	
New Hampshire: 6 establishments...	1913	37	55.6	.182	....	3	....	3	9	10	2	5	3	2	....	....	
	1914	29	55.0	.216	....	....	....	1	2	5	3	11	5	2	....	....	
New York: 9 establishments...	1913	32	53.2	.220	....	....	1	....	4	5	4	8	7	3	....	....	
	1914	24	51.9	.213	....	....	....	2	2	5	3	7	3	2	....	....	
Ohio: 7 establishments...	1913	35	53.9	.189	....	....	2	4	1	9	3	15	1	....	....	....	
	1914	30	53.8	.189	....	2	1	2	3	4	6	7	4	1	....	....	
Other States: 22 establishments.	1913	84	56.4	.213	....	1	3	5	9	11	5	31	10	8	1	....	
	1914	89	55.2	.209	....	4	4	6	9	4	10	33	10	8	....	....	
Total: 75 establishments.	1913	329	54.6	.218	....	4	9	19	37	47	28	95	44	45	1	....	
	1914	328	54.1	.218	....	9	11	20	24	37	36	95	51	42	2	1	

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Continued.

FITTING OR STITCHING DEPARTMENT—Concluded.

Occupation, sex, State, and number of establishments.	Year.	Num- ber of em- ploy- ees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.												
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.	
Top stitchers or undertrimmers, fe- male.																	
Massachusetts:																	
24 establishments..	1913	362	53.7	.233	.....	.....	4	14	31	21	34	122	96	38	2	.....	
	1914	348	53.8	.230	.....	.....	3	10	24	30	35	142	64	34	6	.....	
Missouri:																	
8 establishments...	1913	102	54.0	.195	.....	.....	6	12	6	9	22	34	12	1	.....	.....	
	1914	119	53.5	.190	1	10	13	8	8	10	15	35	13	5	1	.....	
New Hampshire:																	
6 establishments...	1913	144	55.6	.165	.....	1	13	26	34	26	16	23	5	.....	.....	.....	
	1914	134	55.0	.177	.....	1	11	16	21	30	20	28	6	1	.....	.....	
New York:																	
9 establishments..	1913	112	53.3	.232	.....	3	2	8	10	7	12	32	19	11	8	.....	
	1914	91	51.5	.235	.....	2	2	6	8	12	10	17	12	19	2	1	
Ohio:																	
7 establishments...	1913	101	53.9	.198	.....	.....	2	6	11	24	14	30	12	2	.....	.....	
	1914	116	53.8	.200	1	1	5	10	14	13	16	33	15	8	.....	.....	
Other States:																	
23 establishments..	1913	212	56.4	.206	.....	2	10	21	29	25	24	50	29	20	2	.....	
	1914	197	55.5	.208	.....	3	2	13	25	24	28	49	34	12	2	.....	
Total:																	
77 establishments..	1913	1,033	54.5	.211	.....	6	37	87	121	112	122	291	173	72	12	.....	
	1914	1,005	54.1	.211	2	17	36	68	100	119	124	304	144	79	11	1	
Vampers, male.																	
Massachusetts:																	
20 establishments..	1913	305	53.9	.346	.....	.....	.....	1	2	3	21	56	145	72	5	.....	
	1914	287	54.0	.333	.....	2	1	1	2	6	9	31	47	124	57	7	
New Hampshire:																	
6 establishments..	1913	65	55.7	.249	.....	.....	.....	3	8	5	19	17	12	1	.....	.....	
	1914	59	55.0	.259	.....	.....	.....	2	3	5	22	13	12	2	.....	.....	
New York:																	
6 establishments..	1913	28	53.6	.346	.....	.....	.....	1	.....	.....	2	5	13	4	3	.....	
	1914	38	52.7	.328	.....	.....	.....	1	.....	.....	7	8	16	4	2	.....	
Other States:																	
25 establishments..	1913	133	56.2	.289	.....	.....	2	6	6	7	22	29	50	11	.....	.....	
	1914	131	55.9	.295	.....	.....	1	1	2	4	4	27	33	45	13	1	
Total:																	
57 establishments..	1913	531	54.7	.320	.....	.....	2	11	16	15	64	107	220	88	8	.....	
	1914	515	54.5	.315	.....	2	2	4	5	13	18	87	101	197	76	10	
Vampers, female.																	
Massachusetts:																	
24 establishments..	1913	308	53.7	.266	.....	.....	.....	1	7	13	19	97	85	67	13	1	
	1914	292	53.9	.266	.....	3	3	8	5	11	25	67	78	80	12	.....	
Missouri:																	
8 establishments..	1913	110	54.0	.246	.....	.....	.....	1	10	15	39	21	24	.....	.....	.....	
	1914	122	53.0	.240	.....	1	3	3	6	8	17	34	27	20	3	.....	
New Hampshire:																	
6 establishments..	1913	117	55.4	.226	.....	.....	.....	3	3	13	23	37	25	13	.....	.....	
	1914	105	55.0	.237	.....	.....	.....	6	11	16	33	23	15	1	.....	.....	
New York:																	
9 establishments..	1913	140	53.7	.276	.....	.....	1	2	5	11	11	32	31	31	13	3	
	1914	128	51.5	.260	.....	.....	.....	2	5	14	13	26	28	37	2	1	
Ohio:																	
7 establishments..	1913	146	53.9	.220	.....	.....	4	5	11	14	19	57	26	9	1	.....	
	1914	154	53.8	.219	1	1	3	8	13	15	22	46	33	12	.....	.....	
Other States:																	
23 establishments..	1913	231	56.2	.231	.....	7	13	24	18	23	63	44	29	5	.....	.....	
	1914	236	55.4	.228	.....	.....	8	9	27	13	35	72	39	34	4	.....	
Total:																	
77 establishments..	1913	1,052	54.6	.246	.....	.....	12	29	51	84	110	325	232	173	32	4	
	1914	1,037	53.9	.244	1	5	12	30	62	72	128	278	228	198	22	1	

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Continued.

LASTING DEPARTMENT.

Occupation, sex, State, and number of establishments.	Year.	Number of em- ploy- ees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.														
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.			
Assemblers, for pulling-over machine, male.																			
Massachusetts: 16 establishments.	1913	212	54.2	\$0.334	.....	.....	.....	.....	.....	2	7	23	28	106	45	1			
	1914	223	54.0	.327	.....	.....	.....	.....	1	1	11	24	41	109	28	8			
Missouri: 8 establishments..	1913	82	56.7	.229	.....	.....	4	5	4	7	4	23	29	5	1	.....			
	1914	104	56.7	.239	.....	.....	4	6	9	10	7	16	23	28	1	.....			
New Hampshire: 4 establishments..	1913	51	56.4	.232	.....	.....	.....	.....	.....	2	5	32	10	2	.....	.....			
	1914	45	55.0	.259	.....	.....	.....	.....	.....	2	5	16	12	9	1	.....			
New York: 5 establishments..	1913	89	53.7	.235	.....	.....	1	3	4	7	8	32	25	9	.....	.....			
	1914	81	51.8	.271	.....	3	1	2	4	6	4	17	13	23	6	2			
Ohio: 6 establishments..	1913	48	56.9	.255	.....	.....	1	1	1	2	5	15	13	9	1	.....			
	1914	71	57.5	.281	.....	.....	.....	.....	3	1	6	18	14	25	4	.....			
Other States: 15 establishments.	1913	115	56.8	.241	.....	.....	.....	1	7	6	17	40	24	18	2	.....			
	1914	122	56.8	.248	.....	.....	2	2	3	9	10	41	30	21	4	.....			
Total: 54 establishments.	1913	597	55.4	.272	.....	.....	6	10	16	26	46	165	129	149	49	1			
	1914	646	55.2	.281	.....	3	7	10	20	29	43	132	133	215	44	10			
Bed-machine operators, male.																			
Massachusetts: 19 establishments.	1913	553	54.2	.342	.....	.....	.....	.....	.....	.....	4	35	153	251	84	26			
	1914	496	54.2	.337	.....	.....	.....	.....	.....	1	5	30	122	257	62	19			
Missouri: 5 establishments..	1913	92	57.1	.330	.....	.....	.....	.....	.....	1	.....	6	21	54	10	.....			
	1914	89	56.3	.343	.....	.....	.....	.....	.....	.....	.....	8	13	53	14	1			
New Hampshire: 4 establishments..	1913	132	55.8	.252	.....	.....	.....	.....	2	2	18	51	34	24	1	.....			
	1914	138	55.0	.245	.....	.....	.....	.....	3	9	16	47	40	23	.....	.....			
New York: 8 establishments..	1913	123	53.8	.362	.....	.....	.....	.....	.....	.....	.....	4	17	72	26	4			
	1914	105	53.1	.319	.....	.....	1	1	.....	1	5	6	21	62	6	2			
Ohio: 5 establishments..	1913	58	55.7	.360	.....	.....	.....	.....	.....	.....	.....	4	11	27	13	3			
	1914	64	56.7	.356	.....	.....	.....	.....	1	.....	.....	4	8	31	18	2			
Other States: 19 establishments.	1913	227	56.4	.326	.....	.....	.....	.....	.....	1	6	18	57	109	33	3			
	1914	225	56.3	.321	.....	.....	.....	2	5	7	2	31	52	79	40	7			
Total: 60 establishments.	1913	1,185	55.1	.331	.....	.....	.....	.....	2	4	28	118	293	537	167	36			
	1914	1,117	54.9	.322	.....	.....	1	3	9	18	28	126	256	505	140	31			
Hand-method lasting-machine operators, male.																			
Massachusetts: 10 establishments.	1913	138	54.1	.377	.....	.....	.....	.....	.....	.....	.....	5	14	74	34	11			
	1914	152	54.2	.376	.....	.....	.....	.....	.....	.....	.....	10	18	70	38	16			
Missouri: 5 establishments..	1913	62	56.5	.331	.....	.....	.....	.....	.....	.....	.....	3	14	40	5	.....			
	1914	67	57.3	.310	.....	.....	.....	.....	.....	1	1	1	13	11	35	4	1		
New Hampshire: 2 establishments..	1913	39	55.0	.277	.....	.....	.....	.....	.....	1	2	11	13	12	.....	.....			
	1914	39	55.0	.276	.....	.....	.....	.....	.....	.....	4	9	14	11	1	.....			

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Continued.

LASTING DEPARTMENT—Continued.

Occupation, sex, State, and number of establishments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Number of employees earning each classified rate of wages per hour.													50 cts. and over.
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.			
Hand-method lasting- machine operators, male—Concluded.																		
Ohio: 6 establishments..	1913	71	54.9	.361							4	6	5	33	19		4	
	1914	68	55.6	.367							3	8	8	25	12		12	
Other States: 12 establishments..	1913	92	56.4	.367							2	14	6	39	24		7	
	1914	92	55.2	.351						1	1	7	20	33	25		5	
Total: 35 establishments..	1913	402	55.2	.355						1	8	39	52	198	82		22	
	1914	418	55.2	.349						1	2	9	47	71	174	80	34	
Pullers-over, hand, male.																		
Massachusetts: 16 establishments..	1913	442	54.3	.342					1		33	103	215	79			11	
	1914	379	54.4	.367						2	5	33	56	158	86		39	
New Hampshire: 2 establishments..	1913	27	55.0	.269								9	11	7				
	1914	24	55.0	.298								6	10	7	1			
New York: 5 establishments..	1913	72	54.0	.361						1	1	7	7	36	16		4	
	1914	22	52.0	.350								3	4	7	8			
Ohio: 5 establishments..	1913	75	56.7	.339					1			9	8	43	13		1	
	1914	66	56.1	.355						1		5	8	39	12		3	
Other States: 19 establishments..	1913	291	56.2	.321				1		4	8	47	59	121	46		5	
	1914	238	55.7	.327					6	5	5	29	47	96	45		5	
Total: 47 establishments..	1913	907	55.1	.334				1	2	5	9	105	188	422	154		21	
	1914	729	54.9	.350					6	8	10	76	123	307	152		47	
Pullers-over, ma- chine, male.																		
Massachusetts: 18 establishments..	1913	172	54.3	.370							3	21	96	43			9	
	1914	144	54.2	.402						1		4	12	59	50		18	
Missouri: 8 establishments..	1913	59	57.0	.328						1	2	8	17	15	14		2	
	1914	58	57.1	.328						2	1	5	18	18	14			
New Hampshire: 4 establishments..	1913	38	55.8	.297					1	2	1	7	9	15	2		1	
	1914	38	55.0	.309						2		6	7	17	6			
New York: 8 establishments..	1913	44	53.8	.378								2	4	21	13		4	
	1914	42	52.6	.327					1	1		3	8	24	5			
Ohio: 6 establishments..	1913	29	55.3	.375									5	13	11			
	1914	38	56.4	.384						1		4	2	16	9		6	
Other States: 15 establishments..	1913	79	57.2	.335						1	3	5	16	41	10		3	
	1914	76	57.0	.338							2	6	15	35	15		3	
Total: 59 establishments..	1913	421	55.4	.352					1	4	6	25	72	201	93		19	
	1914	396	55.3	.360					1	7	3	28	62	169	99		27	

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Continued.

LASTING DEPARTMENT—Concluded.

Occupation, sex, State, and number of establishments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Number of employees earning each classified rate of wages per hour.												
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.	
Side lasters, hand, male.																	
Massachusetts: 9 establishments..	1913	116	53.7	\$0.318							2	9	43	50	9	3	
	1914	138	53.6	.327							2	8	33	81	13	1	
New Hampshire: 2 establishments..	1913	46	55.0	.221						5	7	26	7	1			
	1914	45	55.0	.208				2	4		10	19	4		1		
New York: 3 establishments..	1913	38	53.4	.343								3	7	21	6	1	
	1914	31	52.5	.331								2	12	12	2	3	
Other States: 6 establishments..	1913	24	56.1	.326								1	6	15	2		
	1914	23	56.5	.351								2	2	14	5		
Total: 20 establishments.	1913	224	54.2	.303						5	9	39	63	87	17	4	
	1914	237	54.0	.308				2	4	5	12	31	51	107	21	4	
Side lasters, ma- chine, male.																	
Massachusetts: 6 establishments..	1913	59	54.3	.298					1	2	3	14	13	18	8		
	1914	59	54.4	.373								3	9	25	18	4	
New York: 3 establishments..	1913	42	57.3	.368						2		2	5	18	11	4	
	1914	46	51.1	.361					1	3		4	3	16	16	3	
Other States: 7 establishments..	1913	54	57.2	.315							1	10	16	19	8		
	1914	62	56.6	.302							4	6	23	22	7		
Total: 16 establishments.	1913	155	56.1	.323					1	4	4	26	34	55	27	4	
	1914	167	54.3	.343					1	3	4	13	35	63	41	7	
Turn lasters, hand, male.																	
Massachusetts: 3 establishments..	1913	32	53.8	.309								4	9	18	1		
	1914	60	53.8	.409								1	2	23	27	7	
Missouri: 3 establishments..	1913	79	55.8	.323						1	3	22	53				
	1914	81	54.4	.316				1		1	8	13	14	26	16	2	
New York: 6 establishments..	1913	162	51.9	.323							2	18	36	92	10	4	
	1914	194	51.8	.354							3	19	35	83	46	8	
Ohio: 3 establishments..	1913	36	56.4	.331							2	2	9	15	7	1	
	1914	30	57.0	.312				1	5	2	1	17	8	32	10	4	
Other States: 11 establishments.	1913	190	57.2	.281					5	5	12	36	63	63	4	2	
	1914	215	55.9	.276			4	1	6	4	12	44	78	57	7	2	
Total: 26 establishments.	1913	499	55.0	.307					5	5	17	63	139	241	22	7	
	1914	630	54.4	.322			4	3	11	7	24	94	137	221	106	23	

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Continued.

BOTTOMING DEPARTMENT.

Occupation, sex, State, and number of establishments.	Year.	Num- ber of em- ploy- ees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.													50 cts. and over.
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.			
Buffers, male.																		
Massachusetts: 24 establishments	1913	134	54.5	\$0.356	---	---	---	---	---	1	1	4	23	76	26	3		
	1914	145	54.5	.353	---	---	---	---	---	2	12	21	78	23	9			
Missouri: 8 establishments	1913	38	57.1	.269	---	---	---	---	---	1	4	14	7	11	1	---		
	1914	37	57.0	.265	---	---	1	2	2	2	9	9	10	2	---			
New Hampshire: 6 establishments	1913	55	55.4	.265	---	---	---	---	---	---	3	19	19	14	---	---		
	1914	56	55.0	.221	---	---	---	3	10	11	19	9	3	1	---			
New York: 7 establishments	1913	28	53.1	.386	---	---	---	---	---	1	1	1	4	9	8	4		
	1914	30	51.3	.327	---	---	---	---	---	2	1	5	6	10	3	3		
Ohio: 7 establishments	1913	33	55.2	.331	---	---	---	---	---	1	2	4	6	13	5	2		
	1914	36	55.9	.350	---	---	---	---	---	1	2	3	3	23	6	1		
Other States: 20 establishments	1913	70	56.9	.278	---	2	1	2	1	3	5	14	18	16	8	---		
	1914	66	57.0	.285	---	---	---	4	1	2	12	17	17	25	5	---		
Total: 72 establishments	1913	358	55.3	.318	---	2	1	2	1	7	16	56	77	139	48	9		
	1914	370	55.2	.310	---	---	1	1	9	15	19	59	65	149	40	13		
Edge setters, male.																		
Massachusetts: 24 establishments	1913	307	54.4	.451	---	---	---	---	---	---	---	2	19	75	121	90		
	1914	321	54.4	.442	---	---	---	---	---	---	---	1	12	114	123	71		
Missouri: 8 establishments	1913	65	57.0	.387	---	---	---	---	---	---	---	2	9	16	37	1		
	1914	65	56.6	.387	---	---	---	---	---	---	4	3	8	17	21	12		
New Hampshire: 6 establishments	1913	88	55.5	.311	---	---	---	---	---	---	---	2	6	25	51	4		
	1914	72	55.0	.339	---	---	---	---	---	---	---	3	17	46	5	1		
New York: 9 establishments	1913	96	53.9	.453	---	---	---	---	---	---	---	---	2	28	39	27		
	1914	85	52.1	.427	---	---	---	---	---	---	---	---	4	31	35	15		
Ohio: 7 establishments	1913	80	55.9	.400	---	---	---	---	---	---	---	3	6	32	29	10		
	1914	85	56.4	.373	---	---	---	---	---	1	---	5	10	32	33	4		
Other States: 23 establishments	1913	190	56.5	.385	---	---	---	---	---	2	4	10	27	79	40	26		
	1914	199	56.4	.401	---	---	---	---	---	---	5	27	68	76	23	---		
Total: 77 establishments	1913	826	55.3	.411	---	---	---	---	---	2	6	23	88	281	270	156		
	1914	827	55.1	.410	---	---	---	---	---	1	4	17	78	308	293	126		
Edge trimmers, male.																		
Massachusetts: 24 establishments	1913	326	54.4	.433	---	---	---	---	2	3	3	8	25	79	132	76		
	1914	368	54.4	.414	---	---	---	---	---	3	2	12	29	127	125	68		
Missouri: 8 establishments	1913	70	57.1	.373	---	---	---	---	---	---	---	3	16	26	23	2		
	1914	70	56.5	.376	---	---	---	---	1	2	2	2	5	32	16	10		
New Hampshire: 6 establishments	1913	99	55.5	.330	---	---	---	---	---	---	4	11	22	39	23	---		
	1914	88	55.0	.351	---	---	---	---	---	---	---	4	16	42	26	---		
New York: 9 establishments	1913	89	53.9	.495	---	---	---	---	---	---	---	---	1	19	28	41		
	1914	77	52.1	.454	---	---	---	---	---	---	---	1	2	22	26	26		
Ohio: 7 establishments	1913	73	55.8	.377	---	---	---	---	---	---	---	2	8	39	23	1		
	1914	80	56.3	.349	---	---	---	---	---	---	2	5	14	39	19	---		

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Continued.

BOTTOMING DEPARTMENT—Continued.

Occupation, sex, State, and number of establishments.	Year.	Number of em- ploy- ees.	Average full- time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.												
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.	
Edge trimmers, male— Concluded.																	
Other States: 23 establishments .	1913	158	56.8	\$0.400	.....	.....	.....	.....	.....	2	.....	16	21	54	35	30	
	1914	156	56.6	.428	.....	.....	.....	.....	.....	.....	6	34	44	30	42		
Total: 77 establishments .	1913	815	55.3	.411	.....	.....	.....	.....	.....	5	7	40	93	256	264	150	
	1914	839	55.0	.404	.....	.....	.....	.....	3	5	6	30	100	306	242	147	
Goodyear stitchers, male.																	
Massachusetts: 21 establishments .	1913	264	54.3	.423	.....	.....	.....	.....	.....	.....	3	9	107	95	50		
	1914	253	54.2	.434	.....	.....	.....	.....	.....	.....	.....	11	88	101	53		
Missouri: 6 establishments .	1913	52	55.9	.358	.....	.....	.....	.....	.....	2	1	7	5	25	4	8	
	1914	49	56.0	.349	.....	.....	.....	.....	.....	1	.....	1	12	26	8	1	
New Hampshire: 4 establishments .	1913	71	55.8	.284	.....	.....	.....	.....	.....	.....	1	15	28	27	.....	.....	
	1914	58	55.0	.305	.....	.....	.....	.....	.....	.....	2	8	19	27	2	.....	
New York: 8 establishments .	1913	67	53.9	.465	.....	.....	.....	.....	.....	1	.....	1	7	19	15	24	
	1914	47	52.9	.465	.....	.....	.....	.....	.....	.....	1	3	4	15	9	15	
Ohio: 7 establishments .	1913	55	55.7	.310	.....	.....	.....	.....	.....	.....	5	23	22	5	.....	.....	
	1914	54	56.1	.324	.....	.....	.....	.....	.....	1	.....	4	21	16	10	2	
Other States: 21 establishments .	1913	124	56.6	.428	.....	.....	.....	.....	.....	.....	7	16	39	27	35		
	1914	108	56.3	.477	.....	.....	.....	.....	.....	.....	5	6	25	26	46		
Total: 67 establishments .	1913	633	55.1	.398	.....	.....	.....	.....	.....	3	2	38	88	239	146	117	
	1914	569	54.9	.413	.....	.....	.....	.....	.....	2	3	21	73	197	156	117	
Goodyear welters, male.																	
Massachusetts: 21 establishments .	1913	200	54.3	.552	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	55	138	
	1914	192	54.3	.531	.....	.....	.....	.....	.....	.....	.....	.....	1	12	69	110	
Missouri: 6 establishments .	1913	40	56.8	.494	.....	.....	.....	.....	.....	.....	.....	1	1	4	10	24	
	1914	38	55.8	.440	.....	.....	.....	.....	.....	.....	.....	1	4	9	12	12	
New Hampshire: 4 establishments .	1913	50	55.7	.362	.....	.....	.....	.....	.....	.....	.....	2	4	28	16	.....	
	1914	40	55.0	.430	.....	.....	.....	.....	.....	.....	.....	1	2	15	8	14	
New York: 8 establishments .	1913	43	53.9	.538	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	5	26	
	1914	34	53.3	.516	.....	.....	.....	.....	.....	.....	.....	.....	.....	9	9	16	
Ohio: 7 establishments .	1913	41	55.6	.403	.....	.....	.....	.....	.....	.....	.....	1	3	18	15	4	
	1914	36	56.2	.427	.....	.....	.....	.....	.....	.....	.....	3	3	9	11	10	
Other States: 20 establishments .	1913	84	56.7	.508	.....	.....	.....	.....	.....	.....	.....	1	7	16	14	46	
	1914	78	56.5	.559	.....	.....	.....	.....	.....	.....	.....	.....	4	12	8	53	
Total: 66 establishments .	1913	458	55.2	.503	.....	.....	.....	.....	.....	.....	.....	5	18	78	119	238	
	1914	418	55.0	.508	.....	.....	.....	.....	.....	.....	1	5	14	66	117	215	

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS 1913 AND 1914—Continued.

BOTTOMING DEPARTMENT—Continued.

Occupation, sex, State, and number of establishments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Number of employees earning each classified rate of wages per hour.													
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.		
Heel breasters, male.																		
Massachusetts: 24 establishments .	1913	64	54.5	.350	.....	.....	.....	.....	.....	2	2	7	11	24	12		6	
	1914	59	54.4	.349	.....	.....	.....	.....	.....	2	1	9	12	17	11		7	
Other States: 49 establishments .	1913	103	55.9	.285	.....	.....	1	2	11	5	3	14	27	26	12		2	
	1914	102	55.6	.281	.....	.....	2	.....	4	9	6	22	18	31	10	.....		
Total: 73 establishments .	1913	167	55.4	.310	.....	.....	1	2	11	7	5	21	38	50	24		8	
	1914	161	55.2	.306	.....	.....	2	.....	4	11	7	31	30	48	21		7	
Heel burnishers, male.																		
Massachusetts: 24 establishments .	1913	109	54.5	.353	.....	.....	.....	.....	.....	1	11	19	50	27			1	
	1914	99	54.5	.359	.....	.....	.....	1	2	.....	1	5	19	43	17		11	
Missouri: 8 establishments ..	1913	29	57.0	.254	.....	.....	.....	1	3	1	3	8	5	6	2	.....		
	1914	27	57.1	.251	.....	.....	.....	.....	.....	4	12	5	6	.....	.....			
New Hampshire: 6 establishments ..	1913	24	55.5	.259	.....	.....	.....	.....	.....	1	6	4	8	3	2	.....		
	1914	24	55.0	.245	.....	.....	.....	1	.....	.....	3	9	8	2	1	.....		
New York: 8 establishments ..	1913	29	53.8	.353	.....	.....	.....	.....	.....	.....	1	7	14	7	.....			
	1914	27	52.3	.339	.....	.....	.....	.....	.....	.....	1	9	11	6	.....			
Ohio: 7 establishments ..	1913	30	56.4	.281	.....	.....	.....	.....	2	1	2	5	10	8	2	.....		
	1914	28	57.0	.296	.....	.....	.....	.....	.....	.....	.....	3	12	13	.....			
Other States: 22 establishments .	1913	59	56.8	.308	.....	.....	.....	1	4	3	4	13	4	21	4		5	
	1914	56	56.5	.335	.....	1	.....	2	1	1	1	11	10	16	7		6	
Total: 75 establishments .	1913	280	55.5	.317	.....	.....	.....	2	9	6	16	42	53	102	44		6	
	1914	261	55.3	.323	.....	1	.....	4	3	1	9	41	63	91	31		17	
Heelers, male.																		
Massachusetts: 22 establishments .	1913	100	54.5	.474	.....	.....	.....	.....	.....	.....	.....	2	2	27	24		45	
	1914	103	54.5	.446	.....	.....	.....	.....	.....	.....	.....	6	6	33	19		39	
Missouri: 8 establishments ..	1913	30	56.1	.386	.....	.....	.....	.....	.....	.....	.....	4	2	12	4		8	
	1914	33	56.6	.369	.....	.....	.....	.....	.....	2	.....	1	9	8	8		5	
New Hampshire: 5 establishments ..	1913	23	55.8	.345	.....	.....	.....	.....	.....	.....	2	5	9	6			1	
	1914	24	55.0	.292	.....	.....	.....	.....	.....	.....	1	9	1	12	1	.....		
New York: 9 establishments ..	1913	45	53.8	.464	.....	.....	.....	.....	.....	1	.....	1	11	18			14	
	1914	41	52.4	.425	.....	.....	.....	.....	.....	.....	1	4	4	9	12		11	
Ohio: 7 establishments ..	1913	34	55.9	.350	.....	.....	.....	.....	.....	1	1	9	4	7	6		6	
	1914	35	56.5	.337	.....	.....	.....	.....	.....	.....	3	5	6	13	4		4	
Other States: 21 establishments .	1913	59	56.8	.401	.....	.....	.....	.....	.....	.....	8	10	18	7			16	
	1914	57	56.8	.400	.....	.....	.....	.....	.....	.....	11	5	11	18			12	
Total: 72 establishments .	1913	291	55.3	.424	.....	.....	.....	.....	.....	1	2	25	24	84	65		90	
	1914	293	55.1	.400	.....	.....	.....	.....	.....	2	5	36	31	86	62		71	

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Continued.

BOTTOMING DEPARTMENT—Continued.

Occupation, sex, State, and number of establishments.	Year.	Num- ber of em- ploy- ees.	Aver- age full- time hours per week.	Aver- age rate of wages per hour.	Number of employees earning each classified rate of wages per hour.													
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.		
Heel scourers, male.																		
Massachusetts: 23 establishments	1913	123	54.3	\$0.350	---	---	---	---	2	---	1	10	20	65	21	4		
	1914	119	54.4	.347	---	---	---	---	2	1	4	17	23	39	23	10		
Missouri: 8 establishments	1913	41	57.1	.282	---	---	---	---	2	1	6	3	13	12	4	---		
	1914	39	56.3	.242	---	---	1	2	2	4	1	11	13	5	---	---		
New Hampshire: 6 establishments	1913	43	55.4	.236	---	---	---	---	---	2	5	24	10	1	1	---		
	1914	45	55.0	.250	---	---	---	---	1	3	4	13	18	6	---	---		
New York: 9 establishments	1913	41	53.8	.383	---	---	---	---	---	---	---	---	11	17	9	4		
	1914	36	52.4	.390	---	---	---	---	---	1	1	3	3	14	3	11		
Ohio: 7 establishments	1913	37	55.7	.270	---	---	---	1	2	2	4	7	7	12	1	1		
	1914	36	56.4	.279	---	---	---	---	---	1	1	13	8	12	---	---		
Other States: 23 establishments	1913	75	56.7	.297	---	---	1	2	1	5	5	10	23	12	13	3		
	1914	70	56.7	.310	---	---	---	3	2	2	3	13	10	23	8	6		
Total: 76 establishments	1913	360	55.4	.313	---	---	1	3	7	10	21	54	84	119	49	12		
	1914	345	55.2	.312	---	---	1	5	7	12	14	70	75	99	34	28		
Heel trimmers or shavers, male.																		
Massachusetts: 24 establishments	1913	94	54.4	.493	---	---	---	---	---	---	---	1	3	20	23	47		
	1914	95	54.4	.472	---	---	---	---	---	---	1	2	4	21	36	31		
Missouri: 8 establishments	1913	24	56.4	.390	---	---	---	---	---	---	---	3	3	7	7	4		
	1914	21	56.3	.363	---	---	---	---	---	---	---	4	1	8	4	4		
New Hampshire: 6 establishments	1913	20	55.3	.309	---	---	---	---	---	---	---	2	9	6	2	1		
	1914	20	55.0	.334	---	---	---	---	---	---	---	1	6	9	4	---		
New York: 9 establishments	1913	32	53.8	.558	---	---	---	---	---	---	---	---	2	9	2	19		
	1914	28	52.4	.512	---	---	---	---	---	---	---	---	2	9	5	12		
Ohio: 7 establishments	1913	28	55.9	.367	---	---	---	---	---	---	---	3	5	12	5	3		
	1914	28	56.4	.367	---	---	---	---	---	---	---	3	2	16	6	1		
Other States: 23 establishments	1913	73	56.7	.414	---	---	---	1	4	2	7	8	16	14	21			
	1914	70	56.2	.448	---	---	---	1	1	4	---	4	5	10	23	22		
Total: 77 establishments	1913	271	55.3	.443	---	---	---	1	4	2	16	30	70	53	95			
	1914	262	55.1	.439	---	---	---	1	1	4	1	14	20	73	78	70		
McKay sewers, male.																		
Massachusetts: 10 establishments	1913	51	54.8	.341	---	---	---	---	---	---	---	6	3	22	10	2		
	1914	46	55.1	.394	---	---	---	---	---	2	---	3	6	15	12	8		
Other States: 22 establishments	1913	77	55.9	.305	---	---	---	---	2	2	5	12	18	25	12	1		
	1914	84	55.8	.315	---	---	---	---	2	---	8	18	9	33	10	4		
Total: 32 establishments	1913	128	55.5	.319	---	---	---	---	2	2	5	18	29	47	22	3		
	1914	130	55.5	.343	---	---	---	---	2	---	10	21	15	48	23	12		

TABLE IV.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR IN EACH STATE, BY YEARS, 1913 AND 1914—Concluded.

BOTTOMING DEPARTMENT—Concluded.

Occupation, sex, State, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.														
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.			
Rough rounders, male.																			
Massachusetts:																			
21 establishments..	1913	102	54.3	\$0.538	---	---	---	---	---	---	---	---	---	---	12	31	59		
	1914	98	54.2	.544	---	---	---	---	---	---	---	---	---	---	4	31	63		
Missouri:																			
6 establishments..	1913	20	56.9	.554	---	---	---	---	---	---	---	2	---	2	3	8			
	1914	18	55.9	.501	---	---	---	---	---	---	---	---	---	---	3	5	10		
New Hampshire:																			
4 establishments..	1913	28	55.6	.379	---	---	---	---	---	---	---	---	2	18	8	---			
	1914	24	55.0	.413	---	---	---	---	---	---	---	2	2	6	15	1			
New York:																			
8 establishments..	1913	31	53.8	.524	---	---	---	---	---	---	1	1	11	4	14				
	1914	22	53.1	.476	---	---	---	---	---	---	---	1	11	4	6				
Ohio:																			
7 establishments..	1913	25	55.9	.388	---	---	---	---	---	---	---	4	9	9	3				
	1914	24	56.0	.386	---	---	---	---	---	---	1	4	11	3	5				
Other States:																			
21 establishments..	1913	55	56.5	.529	---	---	---	---	1	---	2	4	6	11	31				
	1914	54	56.2	.546	---	---	---	---	---	---	2	3	8	12	29				
Total:																			
67 establishments..	1913	261	55.2	.497	---	---	---	---	1	---	5	11	58	71	115				
	1914	240	54.9	.506	---	---	---	---	---	---	3	10	43	70	114				

FINISHING DEPARTMENT.

Freers or ironers, hand, male.																			
Massachusetts:																			
23 establishments..	1913	559	54.3	\$0.301	---	---	---	3	4	19	111	161	218	39	4				
	1914	538	54.2	.302	---	---	3	1	13	15	90	152	222	34	8				
Missouri:																			
8 establishments..	1913	107	56.8	.270	---	---	1	2	11	8	24	14	46	1	---				
	1914	105	56.3	.226	---	1	9	3	5	12	32	36	7	---	---				
New Hampshire:																			
5 establishments..	1913	81	56.3	.243	---	---	---	2	8	7	28	24	12	---	---				
	1914	75	55.0	.253	---	1	1	1	6	11	17	15	21	---	1				
New York:																			
6 establishments..	1913	52	53.7	.252	---	1	1	4	8	4	15	2	12	5	---				
	1914	62	53.3	.230	---	1	2	5	7	10	18	6	13	---	---				
Ohio:																			
7 establishments..	1913	75	56.1	.219	---	---	1	7	10	13	7	12	14	10	1	---			
	1914	87	56.7	.230	---	---	1	2	12	11	11	19	19	10	2				
Other States:																			
21 establishments..	1913	226	56.7	.283	---	---	13	7	11	15	46	55	56	13	10				
	1914	242	56.6	.296	---	---	5	8	16	19	28	57	75	26	8				
Total:																			
70 establishments..	1913	1,100	55.3	.282	---	---	2	22	28	55	60	236	270	354	59	14			
	1914	1,109	55.1	.281	---	1	4	22	30	58	78	204	285	348	60	19			

TABLE V.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR, BY STATES, 1914.

[This table includes all data secured for 1914 whether or not comparable data were available for 1913.]

CUTTING DEPARTMENT.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.												
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.	
Cutters, vamp and whole shoe, hand, male:																	
Massachusetts.....	24	684	52.8	\$0.380	.....	.....	.....	.....	.....	1	.....	9	75	418	89	93	.....
Missouri.....	5	125	55.1	.377	.....	.....	.....	.....	.....	.....	7	10	54	46	7	.....	.....
New York.....	11	273	52.1	.368	.....	.....	.....	.....	.....	2	17	26	134	84	10	.....	.....
Ohio.....	6	205	53.9	.412	.....	.....	.....	.....	1	.....	9	14	62	85	34	.....	.....
Other States.....	29	525	56.1	.326	.....	.....	.....	2	13	13	24	74	66	235	63	35	.....
Total.....	75	1,812	54.0	.366	.....	.....	.....	2	14	14	26	116	191	903	367	179	.....
Cutters, vamp and whole shoe, machine, male:																	
Massachusetts.....	14	252	53.8	.360	.....	.....	.....	.....	.....	.....	9	26	202	12	3	.....	.....
Missouri.....	5	95	58.0	.258	.....	.....	.....	1	.....	3	10	39	18	4	.....	.....	.....
New Hampshire.....	2	98	55.0	.338	.....	.....	.....	.....	.....	4	16	21	27	16	11	.....	.....
New York.....	4	68	53.2	.356	.....	.....	.....	1	1	.....	5	6	29	23	3	.....	.....
Ohio.....	3	26	56.1	.292	.....	.....	.....	1	1	3	.....	3	5	9	4	.....	.....
Other States.....	12	103	57.6	.278	.....	.....	.....	.....	.....	3	4	29	35	30	1	1	.....
Total.....	40	642	55.3	.325	.....	.....	.....	3	2	12	18	101	111	315	60	20	.....
Skivers, upper, machine, male:																	
Massachusetts.....	15	80	54.1	.313	.....	.....	.....	1	.....	.....	1	3	10	57	8	.....	.....
Other States.....	14	36	55.2	.268	.....	.....	.....	1	1	5	5	5	5	10	3	1	.....
Total.....	29	116	54.4	.299	.....	.....	.....	2	1	5	6	8	15	67	11	1	.....
Skivers, upper, machine, female:																	
Massachusetts.....	19	116	53.9	.226	.....	2	.....	4	9	26	10	17	33	13	2	.....	.....
Missouri.....	6	56	53.5	.201	.....	1	5	5	4	7	5	18	8	3	.....	.....	.....
New Hampshire.....	7	41	55.0	.136	.....	.....	.....	4	5	9	6	15	2	.....	.....	.....	.....
New York.....	9	53	51.8	.236	.....	.....	.....	2	3	8	20	13	7	.....	.....	.....	.....
Ohio.....	7	44	53.8	.189	.....	1	3	3	9	6	5	12	3	2	.....	.....	.....
Other States.....	29	136	55.4	.202	1	.....	6	7	13	23	23	40	13	7	3	.....	.....
Total.....	77	446	54.1	.209	1	4	14	23	42	74	57	122	72	32	5	.....	.....

SOLE-LEATHER DEPARTMENT.

Channelers, insole and outsole, male:																	
Massachusetts.....	21	78	54.3	\$0.376								4	8	41	18	7	
New York.....	11	32	52.6	.330								4	3	19	6		
Other States.....	45	103	56.6	.298					2	3	5	15	29	39	10		
Total.....	77	213	55.2	.331					2	3	5	23	40	99	34		7
Cutters, outsole, male:																	
Massachusetts.....	14	74	54.4	.324							1	19	54				
Missouri.....	2	44	54.0	.346								5	39				
Other States.....	31	107	55.9	.270				1	3	2	21	44	35	1			
Total.....	47	225	55.0	.302				1	3	2	22	68	128	1			

TABLE V.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR, BY STATES, 1914—Continued.

FITTING OR STITCHING DEPARTMENT.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.															
					6	8	10	12	14	16	18	20	25	30	40	50	cts.	and over		
					and under 8 cts.	and under 10 cts.	and under 12 cts.	and under 14 cts.	and under 16 cts.	and under 18 cts.	and under 20 cts.	and under 25 cts.	and under 30 cts.	and under 40 cts.	and under 50 cts.	and over 50 cts.				
Backstay stitchers, female:																				
Massachusetts.....	24	137	53.9	\$0.228	....	5	1	5	3	13	15	50	39	11	....	....	....	....	....	....
Missouri.....	8	54	53.6	.162	....	2	9	6	8	9	4	12	1	....	....	....	....	....	....	....
New Hampshire.....	6	54	55.0	.167	....	2	7	10	9	9	6	6	4	1	....	....	....	....	....	....
New York.....	9	39	53.0	.224	....	1	1	3	3	4	6	13	6	6	....	....	....	....	....	....
Ohio.....	7	36	53.8	.168	....	1	2	9	6	4	5	7	1	1	....	....	....	....	....	....
Other States.....	28	112	55.5	.189	....	2	3	17	22	13	18	18	15	4	....	....	....	....	....	....
Total.....	82	432	54.3	.197	....	11	22	48	51	52	53	106	66	23	....	....	....	....	....	....
Buttonholemakers, female:																				
Massachusetts.....	23	164	53.8	.239	....	1	2	8	15	20	16	37	34	22	8	1	....	....	....	....
Missouri.....	7	59	53.1	.195	....	2	9	9	5	3	6	19	5	1	....	....	....	....	....	....
New Hampshire.....	6	32	55.0	.156	....	2	3	5	8	3	7	4	....	....	....	....	....	....	....	....
New York.....	9	77	51.6	.189	....	1	6	5	7	14	12	24	6	2	....	....	....	....	....	....
Ohio.....	7	49	53.8	.163	....	1	5	11	9	9	4	6	4	....	....	....	....	....	....	....
Other States.....	28	125	55.7	.177	2	2	16	16	25	12	14	22	13	2	1	....	....	....	....	....
Total.....	80	506	53.9	.198	2	9	41	54	69	61	59	112	62	27	9	1	....	....	....	....
Closers-on, female:																				
Massachusetts.....	21	83	53.9	.216	....	1	2	2	5	10	12	28	18	5	....	....	....	....	....	....
Missouri.....	8	52	53.3	.170	....	2	10	7	7	2	6	15	3	....	....	....	....	....	....	....
New Hampshire.....	5	19	55.0	.209	....	....	....	2	6	2	1	7	....	1	....	....	....	....	....	....
New York.....	10	61	52.0	.190	....	2	3	5	10	11	7	15	5	3	....	....	....	....	....	....
Ohio.....	6	33	53.8	.160	2	2	6	2	5	4	4	7	2	....	....	....	....	....	....	....
Other States.....	27	99	55.1	.197	....	....	3	8	14	16	15	32	5	6	....	....	....	....	....	....
Total.....	77	347	53.9	.193	2	7	24	26	47	45	45	104	32	15	....	....	....	....	....	....
Lining makers, female:																				
Massachusetts.....	24	265	53.9																	

TABLE V.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR, BY STATES, 1914—Continued.

FITTING OR STITCHING DEPARTMENT—Concluded.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.														
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.			
Vampers, female:																			
Massachusetts.....	24	292	53.9	\$0.266	....	3	3	8	5	11	25	67	78	80	12	....			
Missouri.....	8	122	53.0	.240	....	1	3	3	6	8	17	34	27	20	3	....			
New Hampshire.....	6	105	55.0	.237	....	....	....	....	6	11	16	33	23	15	1	....			
New York.....	10	155	52.1	.266	....	1	....	2	5	16	14	29	36	47	4	1			
Ohio.....	7	154	53.8	.219	1	1	3	8	13	15	22	46	33	12	....				
Other States.....	30	288	55.5	.225	....	....	4	10	32	19	44	91	50	34	4	....			
Total.....	85	1,116	54.1	.243	1	6	13	31	67	80	138	300	247	208	24	1			

LASTING DEPARTMENT.

Assemblers, for pulling-over machine, male:																			
Massachusetts.....	16	223	54.0	\$0.327	....	....	....	1	1	11	24	41	109	28	8				
Missouri.....	8	104	56.7	.239	....	4	6	9	10	7	16	23	28	1	....				
New Hampshire.....	4	45	55.0	.259	....	....	....	....	2	5	16	12	9	1	....				
New York.....	7	105	52.5	.266	....	3	1	2	4	8	24	23	26	6	2				
Ohio.....	6	71	57.5	.281	....	....	....	3	1	6	18	14	25	4	....				
Other States.....	23	160	57.3	.250	....	2	2	4	11	12	57	38	29	4	1				
Total.....	64	708	55.3	.279	....	3	7	10	21	33	47	155	151	226	44	11			
Bed-machine operators, male:																			
Massachusetts.....	20	501	54.2	.337	....	....	....	....	1	5	30	122	261	63	19				
Missouri.....	5	89	59.3	.343	....	....	....	....	....	....	8	13	53	14	1				
New Hampshire.....	4	138	55.0	.245	....	....	....	....	3	9	16	47	40	23	....				
New York.....	9	109	53.2	.316	....	1	1	....	1	5	6	25	62	6	2				
Ohio.....	5	64	56.7	.356	....	....	....	1	....	....	4	8	31	18	2				
Other States.....	27	272	56.8	.316	....	....	2	5	7	2	39	71	97	42	7				
Total.....	70	1,173	55.1	.321	....	1	3	9	18	28	134	279	527	143	31				
Hand-method lasting-machine operators, male:																			
Massachusetts.....	10	152	54.2	.376	....	....	....	....	....	1	18	70	38	16					
Missouri.....	6	72	57.4	.313	....	....	....	1	1	1	10	11	39	5	1				
New Hampshire.....	2	39	55.0	.276	....	....	....	....	....	4	7	14	11	1	....				
Ohio.....	6	68	55.6	.367	....	....	....	....	....	3	8	8	25	12	12				
Other States.....	17	125	56.1	.347	....	....	....	....	2	1	10	25	52	30	5				
Total.....	41	456	55.5	.348	....	....	....	1	3	9	50	76	197	86	34				
Pullers-over, hand, male:																			
Massachusetts.....	16	379	54.4	.367	....	....	....	....	2	5	33	56	158	86	39				
New Hampshire.....	2	24	55.0	.298	....	....	....	....	....	....	6	10	7	1	....				
New York.....	6	38	52.8	.345	....	....	....	....	....	....	5	5	18	10	....				
Ohio.....	5	66	56.1	.355	....	....	....	....	1	....	5	6	39	12	3				
Other States.....	20	242	55.8	.327	....	....	....	6	5	5	29	49	98	45	5				
Total.....	49	749	54.9	.350	....	....	....	6	8	10	78	126	320	154	47				
Pullers-over, machine, male:																			
Massachusetts.....	19	145	54.2	.402	....	....	....	....	1	....	4	12	60	50	18				
Missouri.....	8	58	57.1	.328	....	....	....	....	2	1	5	18	18	14	....				
New Hampshire.....	4	38	55.0	.309	....	....	....	....	2	....	6	7	17	6	....				
New York.....	10	53	53.0	.341	....	....	....	1	1	....	3	9	30	8	1				
Ohio.....	6	38	56.4	.384	....	....	....	....	1	....	4	2	16	9	6				
Other States.....	24	111	57.4	.323	....	....	....	....	....	2	12	32	46	16	3				
Total.....	71	443	55.5	.356	....	....	....	1	7	3	34	80	187	103	28				

TABLE V.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR, BY STATES, 1914—Continued.

LASTING DEPARTMENT—Concluded.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.												
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.	
Side lasters, hand, male:																	
Massachusetts.....	9	138	53.6	\$0.327							2	8	33	81	13		1
New Hampshire.....	2	45	55.0	.208				2	4	5	10	19	4		1		
New York.....	3	31	52.5	.331								2	12	12	2		3
Other States.....	6	23	56.5	.351								2	2	14		5	
Total.....	20	237	54.0	.308				2	4	5	12	31	51	107	21		4
Side lasters, machine, male:																	
Massachusetts.....	6	59	54.4	.373								3	9	25	13		4
New York.....	3	46	51.1	.361					1	3		4	3	16	16		3
Other States.....	7	62	56.6	.302							4	6	23	22	7		
Total.....	16	167	54.3	.343					1	3	4	13	35	63	41		7
Turn lasters, hand, male:																	
Massachusetts.....	4	81	54.1	.385								3	12	29	29		8
Missouri.....	3	81	54.4	.316				1		8	13	14	26	16	2		
New York.....	8	226	52.1	.357						3	24	36	96	56			11
Ohio.....	3	80	57.0	.312				1	5	2	1	17	8	32	10		4
Other States.....	13	221	56.0	.275			4	1	6	4	12	47	79	59	7		2
Total.....	31	689	54.4	.324			4	3	11	7	24	104	149	242	113		27

BOTTOMING DEPARTMENT.

Butfers, male:																	
Massachusetts.....	24	145	54.5	\$0.353							2	12	21	78	23	9	
Missouri.....	8	37	57.0	.265				1	2	2		9	9	10	2		
New Hampshire.....	6	56	55.0	.221					3	10	11	19	9	3	1		
New York.....	8	37	52.0	.330						2		5	7	16	3	3	
Ohio.....	7	36	55.9	.350							1	2	3	23	6	1	
Other States.....	23	85	57.2	.286					4	2	4	17	19	33	6		
Total.....	81	396	55.3	.309				1	9	16	21	64	68	163	41	13	
Edge setters, male:																	
Massachusetts.....	24	321	54.4	.442								1	12	114	123	71	
Missouri.....	8	65	56.6	.387							4	3	8	17	21	12	
New Hampshire.....	6	72	55.0	.339								3	17	40	5	1	
New York.....	11	101	52.2	.435									4	39	35	23	
Ohio.....	7	85	56.4	.373						1		5	10	32	33	4	
Other States.....	30	228	56.8	.395								5	35	81	84	23	
Total.....	86	872	55.2	.410						1	4	17	86	329	301	134	
Edge trimmers, male:																	
Massachusetts.....	24	368	54.4	.414					2	3	2	12	29	127	125	68	
Missouri.....	8	70	56.5	.376					1	2	2	2	5	32	16	10	
New Hampshire.....	6	83	55.0	.351								4	16	42	26		
New York.....	10	94	52.7	.429								5	4	32	27	26	
Ohio.....	7	80	56.3	.349							2	5	14	39	19	1	
Other States.....	30	186	56.9	.411								13	37	60	33	43	
Total.....	85	886	55.1	.400					3	5	6	41	105	332	246	148	

TABLE V.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR, BY STATES, 1914—Continued.

BOTTOMING DEPARTMENT—Continued.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.												
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.	
Goodyear stitchers, male:																	
Massachusetts.....	21	253	54.2	\$0.434									11	88	101	53	
Missouri.....	6	49	56.0	.349								1	12	26	8	1	
New Hampshire..	4	58	55.0	.305						1		2	8	19	27	2	
New York.....	8	47	52.9	.455							1	3	4	15	9	15	
Ohio.....	7	54	56.1	.324						1		4	21	16	10	2	
Other States.....	28	133	56.8	.454								8	8	38	33	46	
Total.....	74	594	55.1	.410						2	3	24	75	210	163	117	
Goodyear welters, male:																	
Massachusetts.....	21	192	54.3	.531									1	12	69	110	
Missouri.....	6	38	55.8	.440								1	4	9	12	12	
New Hampshire..	4	40	55.0	.430								1	2	15	8	14	
New York.....	8	34	53.3	.516										9	9	16	
Ohio.....	7	26	56.2	.427								3	3	9	11	10	
Other States.....	28	99	57.0	.524							1		6	22	17	53	
Total.....	74	439	55.2	.503							1	5	16	76	126	215	
Heel breasters, male:																	
Massachusetts.....	24	59	54.4	.349						2	1	9	12	17	11	7	
Other States.....	58	114	55.8	.279			2		5	10	7	24	20	35	11		
Total.....	82	173	55.3	.303			2		5	12	8	33	32	52	22	7	
Heel burnishers, male:																	
Massachusetts.....	24	99	54.5	.359				1	2			5	19	43	17	11	
Missouri.....	8	27	57.1	.251							4	12	5	6			
New Hampshire..	6	24	55.0	.245				1			3	9	8	2	1		
New York.....	9	30	52.6	.335								2	9	13	6		
Ohio.....	7	28	57.0	.296							3	12	13				
Other States.....	30	75	57.0	.329		1		3	1	1	1	12	17	24	9	6	
Total.....	84	283	55.5	.322		1		5	3	1	9	43	70	101	33	17	
Heelers, male:																	
Massachusetts.....	24	109	54.5	.446								6	6	36	20	41	
Missouri.....	8	33	56.6	.369						2		1	9	8	8	5	
New Hampshire..	6	27	55.0	.293							1	10	2	13	1		
New York.....	10	45	52.6	.424							1	4	4	10	15	11	
Ohio.....	7	35	56.5	.337							3	5	6	13	4	4	
Other States.....	29	75	57.3	.409								11	7	16	25	16	
Total.....	84	324	55.3	.402						2	5	37	34	96	73	77	
Heel scourers, male:																	
Massachusetts.....	23	119	54.4	.347					2	1	4	17	23	39	23	10	
Missouri.....	8	39	56.3	.242			1	2	2	4	1	11	13	5			
New Hampshire..	6	45	55.0	.250					1	3	4	13	18	6			
New York.....	10	45	52.9	.365						1	1	6	7	16	3	11	
Ohio.....	7	36	56.4	.279						1	1	13	8	12		1	
Other States.....	30	88	57.1	.304				3	2	2	3	18	14	32	8	6	
Total.....	84	372	55.3	.310			1	5	7	12	14	78	83	110	34	28	
Heel trimmers or shavers, male:																	
Massachusetts.....	24	95	54.4	.472							1	2	4	21	36	31	
Missouri.....	8	21	56.3	.363								4	1	8	4	4	
New Hampshire..	6	20	55.0	.334								1	6	9			
New York.....	10	31	52.6	.496									2	12	5	12	
Ohio.....	7	28	56.4	.367								3	2	16	6	1	
Other States.....	30	82	56.6	.430				1	1	4		5	8	17	24	22	
Total.....	85	277	55.2	.433				1	1	4	1	15	23	83	79	70	

TABLE V.—AVERAGE FULL-TIME HOURS PER WEEK, AND AVERAGE AND CLASSIFIED RATES OF WAGES PER HOUR, BY STATES, 1914—Concluded.

BOTTOMING DEPARTMENT—Concluded.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.											50 cts. and over.
					6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	
McKay sewers, male:																
Massachusetts.....	10	46	55.1	\$0.394	.....	.....	.....	.....	.....	2	.....	.....	.....	15	12	8
Other States.....	29	101	56.0	.313	.....	.....	.....	.....	2	.....	9	20	12	44	10	4
Total.....	39	147	55.7	.338	.....	.....	.....	.....	2	11	23	18	59	22	12	
Rough rounders, male:																
Massachusetts.....	21	98	54.2	.544	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	31	63
Missouri.....	6	18	55.9	.501	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	5	10
New Hampshire.....	4	24	55.0	.413	.....	.....	.....	.....	.....	.....	.....	.....	2	6	15	1
New York.....	8	22	53.1	.476	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	11	4
Ohio.....	7	24	56.0	.386	.....	.....	.....	.....	.....	.....	.....	1	4	11	3	5
Other States.....	27	66	56.7	.525	.....	.....	.....	.....	.....	.....	.....	2	3	13	17	31
Total.....	73	252	55.1	.503	.....	.....	.....	.....	.....	.....	.....	3	10	48	75	116

FINISHING DEPARTMENT.

Treers or ironers, hand, male:																
Massachusetts.....	23	538	54.2	\$0.302	.....	.....	.....	3	1	13	15	90	152	222	34	8
Missouri.....	8	105	56.3	.226	.....	.....	1	9	3	5	12	32	36	7	.....	.....
New Hampshire.....	6	78	55.0	.253	.....	1	1	1	1	6	11	17	18	21	.....	1
New York.....	8	88	53.6	.249	.....	.....	1	3	5	10	10	20	9	30	.....	.....
Ohio.....	7	87	56.7	.230	.....	.....	1	2	12	11	11	19	19	10	.....	2
Other States.....	28	308	57.0	.284	.....	1	1	7	10	23	29	43	67	93	26	8
Total.....	80	1,204	55.3	.279	.....	2	5	25	32	68	88	221	301	383	60	19

OTHER EMPLOYEES, ALL DEPARTMENTS.

Occupation, sex, and State.	Number of estab- lish- ments	Num- ber of em- ploy- ees.	Average full-time hours per week.	Average rate of wages per hour.	Number of employees earning each classified rate of wages per hour.													
					Under 6 cts.	6 and under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 16 cts.	16 and under 18 cts.	18 and under 20 cts.	20 and under 25 cts.	25 and under 30 cts.	30 and under 40 cts.	40 and under 50 cts.	50 cts. and over.	
Male:																		
Massachusetts..	25	7,017	54.4	\$0.250	6	25	94	281	375	309	654	578	1323	1458	1466	340	108	
Missouri.....	11	1,890	56.5	.204	8	9	58	167	156	260	216	126	363	249	239	26	13	
New Hampshire	7	2,060	55.0	.199	12	9	39	114	190	226	293	247	513	223	172	17	5	
New York.....	11	2,717	52.6	.239	1	12	41	141	185	224	241	235	529	452	467	149	40	
Ohio.....	7	2,079	56.3	.190	4	33	119	260	183	281	211	118	407	234	191	36	2	
Other States....	30	5,124	55.9	.211	13	106	170	455	453	601	438	400	1105	722	545	139	77	
Total.....	91	20,887	55.0	.224	44	194	521	1418	1542	1801	2053	1704	4240	3338	3080	707	245	
Female:																		
Massachusetts..	25	4,670	53.8	.184	19	95	239	432	448	420	726	657	957	431	212	24	10	
Missouri.....	9	1,133	53.3	.151	9	28	173	146	188	193	116	64	145	46	21	4	.....	
New Hampshire	7	851	55.0	.171	10	15	43	82	101	129	142	86	177	49	12	4	1	
New York.....	11	1,435	51.9	.183	2	14	57	125	165	181	214	200	269	149	51	6	2	
Ohio.....	7	1,090	53.8	.142	8	64	163	192	170	147	103	79	107	46	10	1	.....	
Other States....	30	3,168	55.4	.151	19	144	341	603	607	399	294	238	408	153	55	6	1	
Total.....	89	12,347	54.0	.168	67	360	1016	1580	1579	1469	1595	1324	2063	874	361	45	14	

TABLE VI.—AVERAGE FULL-TIME HOURS, AVERAGE HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME IN ONE WEEK, BY STATES, 1914.

[This table includes all data secured for 1914, whether or not comparable data were available for 1913.]

CUTTING DEPARTMENT.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours worked per employee in one week.	Number of employees working each classified per cent of full time in one week.					
					Under 25 per cent.	25 and under 50 per cent.	50 and under 75 per cent.	75 and under 100 per cent.	100 per cent.	Over 100 per cent (over-time).
Cutters, vamp and whole shoe, hand, male:										
Massachusetts.....	24	684	52.8	45.7	10	31	81	305	256	1
Missouri.....	5	125	55.1	49.4	.....	1	3	118	.....	3
New York.....	11	273	52.1	45.9	.....	7	27	147	91	1
Ohio.....	5	200	53.9	47.0	2	8	22	138	30	.....
Other States.....	27	469	56.2	45.5	4	32	117	138	174	4
Total.....	72	1,751	53.9	46.1	16	79	250	846	551	9
Cutters, vamp and whole shoe, machine, male:										
Massachusetts.....	14	252	53.8	48.7	1	.....	23	149	58	21
Missouri.....	5	95	58.0	54.1	.....	1	2	51	37	4
New Hampshire.....	2	98	55.0	35.2	.....	36	13	48	1	.....
New York.....	4	68	53.2	42.9	1	4	13	42	.....	8
Other States.....	10	78	57.3	47.9	1	1	30	17	23	6
Total.....	35	591	55.2	46.6	3	42	81	307	119	39
Skivers, upper, machine, male:										
Massachusetts.....	15	80	54.1	49.2	.....	.....	4	62	14	.....
Other States.....	11	28	54.8	46.6	.....	1	3	17	5	2
Total.....	26	108	54.3	48.5	.....	1	7	79	19	2
Skivers, upper, machine, female:										
Massachusetts.....	19	116	53.9	45.2	2	7	19	43	44	1
Missouri.....	6	56	53.5	46.4	.....	3	4	43	6	.....
New Hampshire.....	7	41	55.0	45.4	1	2	8	19	11	.....
New York.....	9	53	51.8	44.4	.....	4	3	35	10	1
Ohio.....	5	35	53.7	43.0	.....	1	11	22	1	.....
Other States.....	26	124	55.2	45.9	3	5	27	48	39	2
Total.....	72	425	54.0	45.3	6	22	72	210	111	4

SOLE-LEATHER DEPARTMENT.

Channelers, insole and outsole, male:										
Massachusetts.....	21	78	54.3	49.3	.....	1	4	49	24	.....
New York.....	11	32	52.6	50.5	.....	.....	.....	17	15	.....
Other States.....	40	92	55.6	50.3	.....	2	19	36	31	4
Total.....	72	202	55.1	50.0	.....	3	23	102	70	4
Cutters, outsole, male:										
Massachusetts.....	14	74	54.4	48.8	.....	.....	15	25	34	.....
Missouri.....	2	44	51.0	51.9	.....	1	1	8	34	.....
Other States.....	27	96	55.9	53.9	.....	2	5	23	38	29
Total.....	43	214	55.0	51.7	.....	3	21	55	106	29

TABLE VI.—AVERAGE FULL-TIME HOURS, AVERAGE HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME IN ONE WEEK, BY STATES, 1914—Continued.

FITTING OR STITCHING DEPARTMENT.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours worked per employee in one week.	Number of employees working each classified per cent of full time in one week.					
					Under 25 per cent.	25 and under 50 per cent.	50 and under 75 per cent.	75 and under 100 per cent.	100 per cent.	Over 100 per cent (over-time).
Backstay stitchers, female:										
Massachusetts.....	24	137	53.9	46.3	2	5	22	69	38	1
Missouri.....	8	54	53.6	44.9	.....	2	12	25	15	.....
New Hampshire.....	6	54	55.0	51.0	.....	.....	3	31	20	.....
New York.....	9	39	53.0	45.3	1	1	3	25	9	.....
Ohio.....	5	27	53.8	46.7	.....	1	6	10	10	.....
Other States.....	25	94	55.3	49.8	2	.....	13	34	45	.....
Total.....	77	405	54.2	47.5	5	9	59	194	137	1
Button fasteners, female:										
Total.....	69	200	53.7	44.3	2	8	52	101	37	.....
Buttonhole makers, female:										
Massachusetts.....	23	164	53.8	41.4	.....	9	64	54	37	.....
Missouri.....	7	59	53.1	46.4	.....	1	16	13	17	12
New Hampshire.....	6	32	55.0	44.2	.....	.....	13	11	7	1
New York.....	9	77	51.6	38.4	.....	5	42	25	5	.....
Ohio.....	5	45	53.7	45.4	.....	1	9	31	4	.....
Other States.....	24	105	55.5	48.7	.....	1	19	58	27	.....
Total.....	74	482	53.8	43.7	.....	17	163	192	97	13
Closers-on, female:										
Massachusetts.....	21	83	53.9	45.5	1	3	15	47	17	.....
Missouri.....	8	52	53.3	46.2	.....	1	9	33	8	1
New Hampshire.....	5	19	55.0	45.4	.....	2	.....	16	1	.....
New York.....	10	61	52.0	42.9	.....	2	17	36	6	.....
Ohio.....	5	32	53.8	49.3	.....	1	3	10	18	.....
Other States.....	23	89	55.0	47.5	.....	.....	17	50	22	.....
Total.....	72	336	53.8	46.0	1	9	61	192	72	1
Lining makers, female:										
Massachusetts.....	24	265	53.9	45.0	2	8	48	142	65	.....
Missouri.....	6	57	53.0	42.7	1	2	14	34	6	.....
New Hampshire.....	6	76	55.0	47.5	1	4	10	45	16	.....
New York.....	11	117	52.1	45.3	1	2	9	81	24	.....
Ohio.....	5	90	53.7	49.9	.....	3	4	31	49	3
Other States.....	26	200	55.2	48.0	1	2	43	96	58	.....
Total.....	78	805	54.0	46.7	6	21	128	429	218	3
Tip stitchers, female:										
Massachusetts.....	23	120	53.9	45.9	.....	4	21	60	35	.....
Missouri.....	8	36	53.6	42.9	.....	2	11	15	8	.....
New Hampshire.....	6	29	55.0	46.3	.....	1	3	21	4	.....
New York.....	10	29	52.4	42.3	.....	3	5	16	5	.....
Ohio.....	5	23	53.7	50.3	.....	.....	2	12	9	.....
Other States.....	25	94	55.2	50.6	.....	.....	8	44	42	.....
Total.....	77	331	54.2	46.9	.....	10	50	168	103	.....
Top stitchers or undertrimmers, female:										
Massachusetts.....	24	348	53.8	45.4	4	22	46	206	70	.....
Missouri.....	8	119	53.5	46.4	2	5	15	58	39	.....
New Hampshire.....	6	124	55.0	47.8	2	5	10	78	39	.....
New York.....	11	115	52.2	44.8	.....	3	21	55	35	1
Ohio.....	5	100	53.8	50.2	1	2	9	31	62	5
Other States.....	26	208	55.4	50.0	.....	4	23	94	84	3
Total.....	80	1,024	54.1	47.1	9	41	124	522	319	9

TABLE VI.—AVERAGE FULL-TIME HOURS, AVERAGE HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME IN ONE WEEK, BY STATES, 1914—Continued.

FITTING OR STITCHING DEPARTMENT—Concluded.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours worked per employee in one week.	Number of employees working each classified per cent of full time in one week.					
					Under 25 per cent.	25 and under 50 per cent.	50 and under 75 per cent.	75 and under 100 per cent.	100 per cent.	Over 100 per cent (over-time).
Vampers, male:										
Massachusetts.....	22	289	54.0	48.4	1	5	14	170	99	.....
New Hampshire.....	6	59	55.0	48.3	.....	3	4	31	21	.....
New York.....	7	40	52.7	40.9	.....	3	14	22	1	.....
Other States.....	27	131	56.2	48.8	4	2	16	78	28	3
Total.....	62	519	54.6	47.9	5	13	48	301	149	3
Vampers, female:										
Massachusetts.....	24	292	53.9	46.3	.....	14	47	153	78	.....
Missouri.....	8	122	53.0	44.1	1	8	22	65	26	.....
New Hampshire.....	6	105	55.0	47.5	3	6	8	64	24	.....
New York.....	10	155	52.1	42.0	.....	7	51	63	34	.....
Ohio.....	5	123	53.7	46.2	3	4	27	27	60	2
Other States.....	26	247	55.2	48.9	.....	6	44	106	83	8
Total.....	79	1,044	53.9	46.1	7	45	199	478	305	10

LASTING DEPARTMENT.

Assemblers, for pulling-over machine, male:										
Massachusetts.....	16	223	54.0	47.7	.....	8	15	145	43	12
Missouri.....	8	104	56.7	39.6	3	7	43	45	.....	1
New Hampshire.....	4	45	55.0	46.1	.....	.....	20	11	14	.....
New York.....	7	105	52.5	41.8	.....	6	29	53	17	.....
Ohio.....	4	60	57.9	44.9	.....	5	17	30	4	4
Other States.....	19	128	57.2	48.7	.....	2	27	89	10	.....
Total.....	58	665	55.2	45.3	3	28	156	373	88	17
Bed-machine operators, male:										
Massachusetts.....	20	501	54.2	47.6	4	31	48	222	196	.....
Missouri.....	5	89	56.3	48.0	1	1	11	70	4	2
New Hampshire.....	4	138	55.0	51.8	.....	1	2	76	59	.....
New York.....	9	109	53.2	47.0	.....	.....	3	91	15	.....
Ohio.....	4	57	56.9	46.6	1	2	8	43	2	1
Other States.....	24	257	56.7	49.9	.....	13	33	110	94	7
Total.....	66	1,151	55.0	48.5	6	48	105	612	370	10
Hand-method lasting-machine operators, male:										
Massachusetts.....	10	152	54.2	48.6	1	7	13	83	34	14
Missouri.....	6	72	57.4	42.6	2	2	29	39	.....	.....
New Hampshire.....	2	39	55.0	52.5	.....	1	1	15	19	.....
New York.....	4	46	56.0	51.4	.....	.....	5	27	6	8
Other States.....	13	104	56.0	47.4	.....	4	25	55	20	.....
Total.....	35	413	55.5	47.9	3	14	73	222	79	22
Pullers-over, hand, male:										
Massachusetts.....	16	379	54.4	44.0	.....	46	74	168	91	.....
New Hampshire.....	2	24	55.0	49.7	.....	.....	2	20	2	.....
New York.....	6	38	52.8	49.2	.....	.....	.....	30	8	.....
Ohio.....	5	66	56.1	46.4	.....	1	20	43	.....	2
Other States.....	19	231	55.8	50.6	.....	4	10	168	41	8
Total.....	48	738	54.9	46.8	.....	51	106	429	142	10

TABLE VI.—AVERAGE FULL-TIME HOURS, AVERAGE HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME IN ONE WEEK, BY STATES, 1914—Continued.

LASTING DEPARTMENT—Concluded.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours worked per employee in one week.	Number of employees working each classified per cent of full time in one week.					
					Under 25 per cent.	25 and under 50 per cent.	50 and under 75 per cent.	75 and under 100 per cent.	100 per cent.	Over 100 per cent (overtime).
Pullers-over, machine, male:										
Massachusetts.....	19	145	54.2	49.1	.....	4	10	100	27	4
Missouri.....	8	58	57.1	42.9	1	4	19	32	.....	2
New Hampshire.....	4	38	55.0	50.7	.....	1	1	21	15	.....
New York.....	10	53	53.0	45.1	.....	.....	3	42	8	.....
Ohio.....	4	29	56.8	46.9	.....	.....	9	12	5	3
Other States.....	20	95	57.4	50.1	.....	1	14	64	16	.....
Total.....	65	418	55.4	48.0	1	10	56	271	71	9
Side lasters, hand, male:										
Massachusetts.....	9	138	53.6	46.8	.....	6	21	43	68	.....
New Hampshire.....	2	45	55.0	52.7	.....	.....	4	1	40	.....
New York.....	3	31	52.5	44.2	.....	.....	1	28	2	.....
Other States.....	6	23	56.5	49.9	.....	.....	3	17	3	.....
Total.....	20	237	54.0	47.9	.....	6	29	89	113	.....
Side lasters, machine, male:										
Massachusetts.....	6	59	54.4	46.9	2	.....	7	35	15	.....
New York.....	3	46	51.1	47.0	.....	.....	5	16	25	.....
Other States.....	7	62	56.6	50.2	1	.....	4	37	20	.....
Total.....	16	167	54.3	48.1	3	.....	16	88	60	.....
Turn lasters, hand, male:										
Massachusetts.....	4	81	54.1	37.0	.....	14	35	15	17	.....
Missouri.....	3	81	54.4	49.5	.....	.....	5	66	8	2
New York.....	8	226	52.1	49.5	.....	3	8	58	152	5
Ohio.....	3	80	57.0	54.1	.....	3	3	33	11	30
Other States.....	12	189	56.1	43.1	5	5	102	53	21	3
Total.....	30	657	54.4	46.7	5	25	153	225	209	40

BOTTOMING DEPARTMENT.

Buffers, male:										
Massachusetts.....	24	145	54.5	48.4	1	3	13	100	28	.....
Missouri.....	8	37	57.0	48.8	1	.....	3	30	3	.....
New Hampshire.....	6	56	55.0	51.3	.....	1	3	31	21	.....
New York.....	8	37	52.0	46.6	.....	.....	5	24	8	.....
Ohio.....	5	34	55.9	53.0	.....	1	.....	15	12	6
Other States.....	24	69	57.4	51.0	.....	.....	8	51	10	.....
Total.....	75	378	55.2	49.6	2	5	32	251	82	6
Edge setters, male:										
Massachusetts.....	24	321	54.4	48.3	1	6	33	208	73	.....
Missouri.....	8	65	56.6	49.0	.....	.....	5	56	4	.....
New Hampshire.....	6	72	55.0	50.7	.....	1	4	40	27	.....
New York.....	11	101	52.2	48.5	.....	.....	15	41	36	9
Ohio.....	5	72	56.7	53.3	1	.....	1	38	22	10
Other States.....	26	199	56.8	49.1	.....	2	45	108	44	.....
Total.....	80	830	55.1	49.2	2	9	103	491	206	19
Edge trimmers, male:										
Massachusetts.....	24	368	54.4	48.8	.....	5	40	233	90	.....
Missouri.....	8	70	56.5	49.7	.....	2	5	57	4	2
New Hampshire.....	6	88	55.0	50.7	1	5	.....	32	49	1
New York.....	10	94	52.7	47.8	.....	.....	21	33	31	9
Ohio.....	5	66	56.6	54.7	.....	1	1	21	33	10
Other States.....	26	164	56.9	50.6	1	1	21	108	31	2
Total.....	79	850	55.1	49.7	2	14	88	484	238	24

TABLE VI.—AVERAGE FULL-TIME HOURS, AVERAGE HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME IN ONE WEEK, BY STATES, 1914—Continued.

BOTTOMING DEPARTMENT—Continued.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours worked per employee in one week.	Number of employees working each classified per cent of full time in one week.					
					Under 25 per cent.	25 and under 50 per cent.	50 and under 75 per cent.	75 and under 100 per cent.	100 per cent.	Over 100 per cent (over-time).
Goodyear stitchers, male:										
Massachusetts.....	21	253	54.2	47.1	1	10	40	142	60	.....
Missouri.....	6	49	56.0	49.9	.....	2	2	43	.....	2
New Hampshire.....	4	58	55.0	50.7	.....	.....	5	32	21	.....
New York.....	8	47	52.9	44.7	.....	.....	20	13	7	7
Ohio.....	5	44	56.4	51.4	.....	3	.....	25	14	2
Other States.....	25	124	56.7	49.1	1	1	16	81	24	1
Total.....	69	575	55.0	48.3	2	16	83	336	126	12
Goodyear welters, male:										
Massachusetts.....	21	192	54.3	47.0	.....	6	25	122	39	.....
Missouri.....	6	38	55.8	46.3	.....	1	5	30	.....	2
New Hampshire.....	4	40	55.0	49.6	1	.....	.....	18	21	.....
New York.....	8	34	53.3	45.1	.....	.....	8	17	8	1
Ohio.....	5	31	56.4	49.4	.....	.....	4	22	2	3
Other States.....	25	90	56.9	46.3	1	1	25	56	6	1
Total.....	69	425	55.1	47.1	2	8	67	265	76	7
Heel breasters, male:										
Massachusetts.....	24	59	54.4	47.3	.....	3	8	34	14	.....
Other States.....	52	107	55.8	49.7	.....	2	18	58	23	6
Total.....	76	166	55.3	48.9	.....	5	26	92	37	6
Heel burnishers, male:										
Massachusetts.....	24	99	54.5	47.9	.....	2	11	78	8	.....
Missouri.....	8	27	57.1	51.6	.....	.....	1	25	1	.....
New Hampshire.....	6	24	55.0	47.5	.....	4	1	9	9	1
New York.....	9	30	52.6	48.0	.....	.....	.....	19	9	2
Ohio.....	5	24	57.3	57.6	.....	.....	.....	6	8	10
Other States.....	26	67	57.0	51.9	.....	.....	4	45	17	1
Total.....	78	271	55.5	50.1	.....	6	17	182	52	14
Heelers, male:										
Massachusetts.....	24	109	54.5	49.2	.....	2	14	64	29	.....
Missouri.....	8	33	56.6	50.4	.....	.....	5	23	5	.....
New Hampshire.....	6	27	55.0	49.7	.....	1	1	20	5	.....
New York.....	10	45	52.6	43.4	.....	1	14	20	8	2
Ohio.....	5	29	56.8	57.5	.....	.....	.....	4	10	15
Other States.....	25	68	57.3	49.3	.....	1	14	37	15	1
Total.....	78	311	55.3	49.3	.....	5	48	168	72	18
Heel scourers, male:										
Massachusetts.....	23	119	54.4	47.7	1	2	15	80	21	.....
Missouri.....	8	39	56.3	49.7	.....	1	5	26	6	1
New Hampshire.....	6	45	55.0	51.1	.....	2	1	28	14	.....
New York.....	10	45	52.9	43.0	.....	.....	10	15	17	3
Ohio.....	5	32	56.6	56.4	.....	.....	1	5	17	9
Other States.....	26	78	57.1	52.2	.....	.....	8	47	23	.....
Total.....	78	358	55.3	50.1	1	5	40	201	98	13
Heel trimmers or shavers, male:										
Massachusetts.....	24	95	54.4	47.4	.....	3	12	51	29	.....
Missouri.....	8	21	56.3	50.8	.....	.....	3	12	6	.....
New Hampshire.....	6	20	55.0	43.2	.....	2	1	14	3	.....
New York.....	10	31	52.6	46.8	.....	.....	7	8	10	6
Ohio.....	5	23	56.7	51.4	.....	.....	5	5	5	8
Other States.....	26	77	56.5	47.8	1	1	18	46	8	3
Total.....	79	267	55.2	48.1	1	6	46	136	61	17

TABLE VI.—AVERAGE FULL-TIME HOURS, AVERAGE HOURS ACTUALLY WORKED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME IN ONE WEEK, BY STATES, 1914—Concluded.

BOTTOMING DEPARTMENT—Concluded.

Occupation, sex, and State.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours worked per employee in one week.	Number of employees working each classified per cent of full time in one week.					
					Under 25 per cent.	25 and under 50 per cent.	50 and under 75 per cent.	75 and under 100 per cent.	100 per cent.	Over 100 per cent (over time).
McKay sewers, male:										
Massachusetts.....	10	46	55.1	44.8	.....	2	10	30	4	.....
Other States.....	23	91	55.9	47.3	1	3	15	55	14	3
Total.....	33	137	55.7	46.5	1	5	25	85	18	3
Rough rounders, male:										
Massachusetts.....	21	98	54.2	47.3	.....	2	9	72	15	.....
Missouri.....	6	18	55.9	44.7	.....	2	3	12	1	.....
New Hampshire.....	4	24	55.0	49.3	.....	.....	2	17	5	.....
New York.....	8	22	53.1	46.4	.....	.....	7	10	3	2
Ohio.....	5	20	56.2	52.8	.....	.....	.....	14	6	.....
Other States.....	24	61	56.7	46.7	.....	1	9	46	5	.....
Total.....	63	243	55.1	47.5	.....	5	30	171	35	2

FINISHING DEPARTMENT.

Treers or ironers, hand, male:										
Massachusetts.....	23	538	54.2	50.7	4	6	26	257	217	28
Missouri.....	8	105	50.3	50.9	2	3	4	68	15	13
New Hampshire.....	6	78	55.0	50.6	3	4	1	12	58	.....
New York.....	8	88	53.6	49.4	.....	3	3	46	26	10
Ohio.....	5	75	57.0	54.2	.....	.....	4	32	32	7
Other States.....	24	270	57.0	50.7	1	4	28	152	82	3
Total.....	74	1,154	55.3	50.9	10	20	66	567	430	61
Treers or ironers, hand, female:										
Total.....	17	122	52.3	46.8	1	1	14	57	38	11

OTHER EMPLOYEES, ALL DEPARTMENTS.

Male:										
Massachusetts.....	25	7,017	54.4	48.9	125	215	647	2,568	3,274	188
Missouri.....	11	1,800	56.5	49.4	46	69	233	918	350	274
New Hampshire.....	7	2,060	55.0	47.2	135	80	175	795	761	114
New York.....	11	2,717	52.6	47.2	23	104	250	998	1,148	194
Ohio.....	5	1,726	56.6	54.0	15	39	98	557	682	335
Other States.....	26	4,544	55.7	50.6	53	155	677	1,491	1,890	273
Total.....	85	19,954	54.9	49.4	402	662	2,090	7,327	8,105	1,378
Female:										
Massachusetts.....	25	4,670	53.8	46.2	100	270	575	1,837	1,854	34
Missouri.....	9	1,133	53.3	46.8	14	45	126	506	372	70
New Hampshire.....	7	851	55.0	46.0	38	43	107	432	225	6
New York.....	11	1,435	51.9	44.5	19	64	246	555	518	33
Ohio.....	5	888	53.7	48.9	4	30	88	352	266	148
Other States.....	26	2,761	55.3	49.1	30	94	417	992	1,130	.....
Total.....	83	11,738	54.0	46.9	205	546	1,559	4,674	4,365	389