

Wages and hours of labour in Cotton-
goods manufacturing and finishing, 1918.



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WAGES AND HOURS OF LABOR SERIES

**WAGES AND HOURS OF LABOR
IN COTTON-GOODS MANUFACTURING
AND FINISHING, 1918**

①



NOVEMBER, 1919

WASHINGTON
GOVERNMENT PRINTING OFFICE
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WAGES AND HOURS OF LABOR IN COTTON-GOODS MANUFACTURING AND FINISHING, 1918.

INTRODUCTION AND SUMMARY.

Earnings per hour, hours of labor per week, and full-time and actual weekly earnings in the cotton-goods manufacturing and finishing industry of the United States for the year 1918 are presented in this report. Separate figures are shown for cotton-goods manufacturing and cotton-goods finishing. Comparable figures are shown for 1916, and summaries for each year, except 1915 and 1917, from 1907 to 1918 for cotton-goods manufacturing and from 1911 to 1918 for cotton-goods finishing are also shown. Data were not collected for 1915 and 1917 nor for cotton-goods finishing prior to 1911.¹

In 1918 the average full-time weekly earnings of male employees in the selected occupations in cotton-goods manufacturing varied from \$11.37 for drawing-frame tenders to \$26.40 for mule spinners. The average full-time weekly earnings of female employees varied from \$10.28 for trimmers or inspectors to \$17.06 for beamer tenders.

In cotton-goods finishing the average full-time weekly earnings of male employees in the selected occupations varied from \$14.39 for bleach house laborers to \$43.38 for the skilled occupation of printers. Data were obtained for the wages of females in cotton-goods finishing for only one occupation—knotters—in which the average full-time weekly earnings in 1918 were \$11.19.

A summary of the rates of wages and hours of labor in the principal occupations of the two branches of the industry is presented in Table 1, which follows. This table shows very clearly the general reduction of hours and increase of earnings between 1907 and 1918, as well as the prevailing rates and hours of labor in 1918.

¹ Previous reports of wages and hours of labor in cotton-goods manufacturing and finishing have been published by the bureau, as follows: Nineteenth Annual Report, covering 1890 to 1893; 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. 128 (August, 1913), covering 1907 to 1912; Bulletin No. 150 (May, 1914), covering 1912 and 1913; Bulletin No. 180 (May, 1916), covering 1913 and 1914; and Bulletin No. 239 (April, 1918), covering 1914 and 1916.

[TABLE 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1907 TO 1918.

MANUFACTURING.

[The figures opposite each group of years are for identical establishments. When a second line is shown for 1918 it contains all data obtained for 1918, whether or not comparable data for 1916 were available.]

Occupation, sex, and number of establishments.	Year.	Number of em- pl. yees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Per cent of employees whose full-time hours per week were—					Per cent of employees whose earnings per hour were—														
						Under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.					
Card strippers, male: 36 establishments.....	1907 1908 1909 1910	284 289 287 318	59.8 59.3 59.3 57.8	\$0.131 .124 .121 .124	\$7.83 7.35 7.18 7.17			58 64 61 52	19 24 29 25	23 11 10 7		1 1 1 1	12 11 10 5	8 21 27 26	39 51 57 62	35 14 5 6	6 2 5 (1)								
59 establishments.....	1910 1911	523 515	58.4 58.3	.120 .122	6.95 7.08		48 49	23 24	13 16	16 15	(1) (1)	5 4	5 5	26 26	56 58	6 5	1 1								
88 establishments.....	1911 1912	786 800	58.3 57.1	.121 .134	7.02 7.62		40 40	32 31	16 27	12 1	(1) (1)	3 1	4 1	29 19	59 32	5 43	1 5								
88 establishments.....	1912 1913	804 845	57.1 57.2	.134 .138	7.62 7.83		40 38	31 34	28 27	1 1	(1) (1)	1 (1)	1 1	19 15	31 29	43 44	4 9								
90 establishments.....	1913 1914	871 904	57.1 56.3	.139 .144	7.89 8.06		40 64	33 7	27 29	1 (1)	(1) (1)	(1) (1)	1 1	15 13	28 25	44 40	9 20	2 19				1 1			
88 establishments.....	1914 1916	869 792	56.1 56.7	.145 .166	8.11 9.23		67 56	7 7	26 36	(1) 1			1 (1)	10 11	25 13	42 17	20 15	2 30			(1) 13		1 61		
105 establishments.....	1916 1918	896 718	56.5 56.0	.167 .267	9.29 14.84		55 68	10 31	34 31	1 2				10 (1)	14 1	19 4	14 8	29 8			15 19		1 61		
106 establishments.....	1918	719	56.1	.267	14.84		66		31	2				(1)	1	4	8	8			19		61		
Drawing-frame tenders, male: 84 establishments.....	1907 1908	219 234	60.4 59.7	.100 .098	6.04 5.85			51 47	12 40	37 13	26 26	6 8	8 12	84 36	25 15	2 2									

	1909	253	59.7	.099	5.91			51	35	14	20	9	19	37	14	1								
	1910	253	58.5	.098	5.73		45	13	31	11	22	7	21	32	16	2								
56 establishments.....	1910	436	59.5	.096	5.70			33	12	25	29	17	13	28	29	11								
	1911	457	59.7	.097	5.78			32	10	26	32	16	20	25	22	15	2							
84 establishments.....	1911	750	59.5	.097	5.73			28	17	31	23	18	17	25	26	12	8	(1)						
	1912	723	57.9	.108	6.22			32	17	48	2	14	5	10	36	25	7	2	(1)					
82 establishments.....	1912	727	57.9	.108	6.20			32	17	48	2	15	5	10	35	25	7	2	(1)					
	1913	624	58.0	.109	6.31			32	12	55	1	11	2	13	35	25	9	2	(1)					
76 establishments.....	1913	572	58.4	.109	6.32			25	13	60	1	14	3	10	37	26	8	2	1					
	1914	660	57.9	.116	6.66			34	5	60	1	9	4	8	30	31	13	4	1	(1)				
74 establishments.....	1914	649	57.8	.117	6.75			36	6	58	1	6	4	8	31	33	13	4	1	(1)				
	1916	662	58.2	.127	7.32			29	6	65	1	7	6	4	27	22	12	14	6	2				
82 establishments.....	1916	681	58.4	.126	7.32			26	5	69	1	7	6	4	28	23	12	11	6	3				
	1918	510	57.4	.199	11.39	7	28	63	2	(1)	(1)	1	3	11	13	16	8	29	18					
84 establishments.....	1918	515	57.3	.199	11.37	8	29	63	1	(1)	(1)	1	3	11	13	16	8	29	18					
Drawing-frame tenders, female:																								
19 establishments.....	1907	234	60.2	.093	5.60			50	27	23	20	16	18	43	3									
	1908	232	59.3	.093	5.51			56	37	7	31	19	11	23	17									
	1909	249	59.4	.091	5.41			51	42	6	23	22	12	32	7									
	1910	233	58.1	.089	5.17		29	47	21	3	25	24	22	20	2	(1)								
27 establishments.....	1910	359	58.2	.090	5.20			38	39	16	8	22	20	29	27	1	(1)							
	1911	344	57.7	.094	5.41			42	42	11	5	20	17	25	28	10	(1)							
45 establishments.....	1911	502	57.8	.095	5.46			34	51	11	4	16	14	31	30	9	(1)							
	1912	525	57.0	.110	6.23			38	44	18	2	4	5	11	63	13	4	1	(1)					
	1913	594	56.8	.114	6.48			39	45	18		3	2	7	59	20	7	2	(1)					
32 establishments.....	1913	594	56.7	.115	6.51			41	45	14		2	1	7	59	22	7	2	1					
	1914	574	55.5	.118	6.51	1	75	11	14			3	1	6	44	35	6	4	1	(1)				
31 establishments.....	1914	569	55.3	.118	6.50	1	78	11	11			3	1	9	40	37	6	4	1	(1)				
	1916	526	55.5	.142	7.86		77	9	14			5	(1)	2	9	21	44	12	3	2				1
43 establishments.....	1916	680	55.6	.136	7.53	(1)	73	13	14			5	1	2	16	20	41	10	3	1			(1)	19
	1918	723	54.7	.210	11.44	3*	81	16	16					(1)	2	4	8	11	6	50				19
55 establishments.....	1918	818	54.8	.209	11.40	4	78		18					(1)	2	5	9	10	6	46				22

* Less than 1 per cent.

TABLE 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1907 TO 1918—Continued.

MANUFACTURING—Continued.

Occupation, sex, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Per cent of employees whose full-time hours per week were—					Per cent of employees whose earnings per hour were—									
						Under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.
Slubber tenders, male: 100 establishments.....	1916 1918	834 764	57.5 56.7	\$0.192 .308	\$11.21 17.23		43 55	10 43	47 48	1 1	(¹) (¹)	(¹) (¹)	(¹) (¹)	6 (¹)	10 1	14 3	13 3	8 5	28 19	20 69
103 establishments.....	1918	766	56.7	.307	17.22	1	55	43	1				(¹)	1	3	3	5	19	69	
Slubber tenders, female: 13 establishments.....	1916 1918	60 67	54.2 54.0	.188 .257	10.18 13.87		97 100	3					3 3	3 1	23 7	12 16	18 24	35 24	5 51	
17 establishments.....	1918	74	54.1	.257	13.89		99	1							2	8	15	24	50	
Speeder tenders, male: 18 establishments.....	1907 1908 1909 1910	201 224 258 249	63.9 61.1 61.2 61.0	.116 .123 .129 .131	7.41 7.52 7.89 7.99				100 78 76 77	12 24 24 23	6 3 4 2	8 6 7 6	31 11 26 25	26 34 26 29	9 9 20 18	5 5 8 13	2 2 8 8	4 1 1 1		
32 establishments.....	1910 1911	426 396	61.4 61.4	.131 .135	8.03 8.29			64 60	36 39	6 (¹)	6 5	6 5	25 22	27 30	16 17	14 11	4 9	1 1		
62 establishments.....	1911 1912	623 666	61.2 59.7	.135 .142	8.24 8.47	(¹) 8	3 2	76 87	21 8	1 1	5 3	5 2	21 15	27 30	22 23	11 16	7 9	1 1		
61 establishments.....	1912 1913	680 745	59.7 59.8	.143 .145	8.52 8.72	7 5	2 1	88 91	3 2	(¹) (¹)	3 (¹)	2 1	14 8	30 16	24 28	16 16	9 7	1 4	(¹)	
55 establishments.....	1913 1914	742 778	59.7 59.7	.145 .151	8.64 9.04	6 5	(¹)	93 95	1 (¹)	(¹) (¹)	(¹) (¹)	3 1	15 9	25 25	39 29	16 20	7 9	4 5	1 1	
58 establishments.....	1914 1916	799 1,285	59.3 59.1	.153 .164	9.04 9.67	11 16	1 1	87 83	1 (¹)	(¹) (¹)	2 1	9 1	24 6	27 17	27 27	21 20	11 10	5 13	1 4	

WAGES AND HOURS OF LABOR—COTTON GOODS.

95 establishments.....	1916	1,739	58.5	.174	10.13	26	3	71	(¹)	(¹)	1	1	5	14	22	17	10	31	7
	1918	1,455	58.2	.265	15.30	(¹)	31	69	(¹)	(¹)	(¹)	(¹)	1	1	2	6	8	31	53
98 establishments.....	1918	1,478	58.2	.265	15.28	(¹)	31	69	(¹)	(¹)	(¹)	(¹)	1	1	3	5	8	31	53
Speeder tenders, female:																			
35 establishments.....	1907	721	59.3	.139	8.24	64	21	15	1	4	3	13	24	34	17	3	1		
	1908	694	59.1	.138	8.16	63	30	7	1	4	5	17	24	27	14	7	1	(¹)	
	1909	714	59.1	.135	7.98	63	31	6	(¹)	2	4	17	24	34	7	1	(¹)		
	1910	800	57.6	.134	7.72	55	23	18	4	1	3	5	16	36	27	8	4	1	
57 establishments.....	1910	1,175	57.8	.133	7.66	51	27	14	8	1	3	5	17	35	28	8	3	1	
	1911	1,189	57.9	.135	7.80	50	26	14	10	1	2	5	17	30	38	9	3	(¹)	(¹)
82 establishments.....	1911	1,753	57.9	.136	7.86	46	31	15	8	1	2	5	16	29	34	10	3	(¹)	(¹)
	1912	1,784	56.8	.149	8.42	50	30	18	2	1	3	11	18	33	24	8	3	(¹)	(¹)
80 establishments.....	1912	1,791	56.7	.148	8.38	51	28	19	2	(¹)	1	3	11	16	33	24	8	2	(¹)
	1913	1,855	56.7	.151	8.55	48	32	18	1	1	2	10	17	35	26	7	3	(¹)	(¹)
79 establishments.....	1913	1,946	56.5	.153	8.61	61	31	18	1	1	2	9	16	33	27	9	3	(¹)	(¹)
	1914	2,001	55.8	.155	8.61	(¹)	69	10	21	(¹)	(¹)	1	2	9	14	30	10	5	(¹)
76 establishments.....	1914	1,987	55.8	.155	8.62	(¹)	70	10	20	(¹)	(¹)	1	2	9	14	29	10	5	(¹)
	1916	2,578	55.6	.187	10.33	(¹)	73	9	17	(¹)	(¹)	(¹)	1	5	6	9	16	25	34
95 establishments.....	1916	2,986	55.6	.188	10.38	(¹)	73	11	16	(¹)	(¹)	(¹)	1	4	6	10	15	26	34
	1918	3,189	54.9	.276	15.10	(¹)	95	15	15	(¹)	(¹)	(¹)	(¹)	1	2	3	4	17	72
100 establishments.....	1918	3,214	55.0	.277	15.10	(¹)	84	15	(¹)	(¹)	(¹)	(¹)	(¹)	1	2	3	4	17	72
Spinners, mule, male:																			
11 establishments.....	1907	199	58.6	.234	13.71	69	31						1	1	4	12	54	29	
	1908	193	58.4	.225	13.14	82	19						1	7	11	58	23		
	1909	156	58.5	.221	12.93	76	24						3	6	11	68	12		
	1910	131	56.8	.218	12.38	68	25	7					1	8	21	61	9		
14 establishments.....	1910	222	57.0	.219	12.50	53	43	4					1	5	19	63	12		
	1911	207	57.0	.225	12.82	53	43	4					1	2	3	16	64	14	
16 establishments.....	1911	288	56.8	.255	14.44	62	35	3					1	2	2	11	51	33	
	1912	266	55.7	.279	15.48	68	32	2					(¹)	2	8	36	55		
	1913	268	55.6	.281	15.68	71	29						(¹)	3	5	33	58		
14 establishments.....	1913	234	55.6	.286	15.82	68	32						(¹)	(¹)	4	6	28	62	
	1914	245	54.9	.291	15.95	82	18						(¹)	2	7	27	64		
11 establishments.....	1914	215	54.9	.296	16.20	80	20						(¹)	1	8	28	62		
	1916	196	54.8	.346	18.94	80	20							1	7	92	92		
17 establishments.....	1916	334	54.7	.345	18.85	88	12								(¹)	6	93		
	1918	303	54.3	.487	26.40	103										1	99		

¹ Less than 1 per cent.

59 establishments.....	1910	3,704	59.0	.108	6.33	35	17	29	18	18	9	12	23	23	11	3	(1)	(1)	.....
	1911	3,735	59.1	.111	6.48	34	17	28	20	14	10	13	23	24	12	3			.....
88 establishments.....	1911	5,981	59.1	.111	6.51	27	27	30	10	12	10	13	26	25	11	3	(1)	(1)	.....
	1912	6,214	58.0	.123	7.11	29	27	41	3	8	5	8	23	21	26	6			.....
88 establishments.....	1912	6,364	58.0	.124	6.98	30	26	41	3	8	5	8	23	21	25	7	3	1	.....
	1913	6,561	57.9	.127	7.29	29	27	42	2	8	6	7	22	18	25	10	3	1	.....
90 establishments.....	1913	6,762	57.8	.128	7.33	31	26	41	2	8	5	7	22	18	25	10	4	1	.....
	1914	6,906	56.9	.132	7.45	(1)	53	5	42	(1)	4	6	8	21	17	24	14	5	.....
88 establishments.....	1914	6,766	56.8	.132	7.47	(1)	54	5	40	(1)	4	6	8	20	17	24	14	5	.....
	1916	7,012	57.2	.147	8.32	(1)	48	5	40	(1)	8	4	6	14	13	9	12	21	.....
104 establishments.....	1916	7,706	57.2	.149	8.24	(1)	47	7	45	(1)	8	4	6	13	13	10	12	21	.....
	1918	7,723	55.9	.233	12.90	5	56	(1)	38	1	(1)	(1)	1	3	5	8	9	9	.....
105 establishments.....	1918	7,752	56.1	.233	12.89	5	56	(1)	38	1	(1)	(1)	1	3	5	8	9	9	.....
Duffers, male:																			
99 establishments.....	1916	3,206	57.9	.139	48.15	1	33	4	61	1	11	7	6	20	10	13	14	11	.....
	1918	2,831	56.1	.231	12.89	12	35	(1)	52	1	(1)	(1)	1	1	4	8	11	12	.....
102 establishments.....	1918	2,857	56.1	.231	12.87	12	36	(1)	51	1	(1)	(1)	1	1	4	8	11	12	.....
Duffers, female:																			
19 establishments.....	1916	637	55.0	.162	8.92	7	59	33					6	8	13	26	26	19	.....
	1918	655	52.8	.256	13.56	13	87							(1)	2	9	5	25	.....
26 establishments.....	1918	703	52.6	.255	13.46	16	85							(1)	2	9	5	25	.....
Spooler tenders, female:																			
104 establishments.....	1916	3,662	57.2	.137	7.73	(1)	45	7	47	(1)	9	7	8	17	14	14	13	9	.....
	1918	3,750	56.2	.207	11.46	5	52	(1)	42	(1)	1	1	1	6	9	12	11	9	.....
105 establishments.....	1918	3,759	56.2	.207	11.46	5	52	(1)	43	(1)	1	1	1	6	9	12	11	9	.....
Warper tenders, male:																			
25 establishments.....	1916	75	59.4	.176	10.41		9		91					4	12	32	21	8	.....
	1918	77	56.6	.247	10.71		6		94						1	1	4	5	.....
31 establishments.....	1918	82	56.6	.243	14.48		6		94						1	2	5	6	.....
Warper tenders, female:																			
78 establishments.....	1916	562	56.0	.182	10.15		68	10	22	(1)			(1)	4	13	12	21	19	.....
	1918	585	55.3	.259	14.20	1	77	(1)	22	(1)				(1)	1	2	8	8	.....
82 establishments.....	1918	595	55.4	.259	14.20	1	76	(1)	22	(1)				(1)	1	2	8	8	.....

1 Less than 1 per cent.

TABLE 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1907 TO 1918—Continued.

MANUFACTURING—Continued.

Occupation, sex, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Per cent of employees whose full-time hours per week were—					Per cent of employees whose earnings per hour were—									
						Under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.
Beamer tenders, male: 22 establishments.....	1916 1918	323 270	56.0 56.4	\$0.271 .403	\$15.01 22.65	67 61	33	(1)	(1)	2	3	8	9	15	6	63				
24 establishments.....	1918	280	56.3	.404	22.63	63	37	(1)	(1)	1	5	8	18	22	1	93				
Beamer tenders, female: 5 establishments.....	1916 1918	91 98	54.8 54.1	.224 .297	12.23 16.07	97 98	3	2	1	3	9	8	56	22	1	55				
7 establishments.....	1918	113	54.1	.315	17.08	98	2	2	3	16	19	61								
Slasher tenders, male: 35 establishments.....	1907 1908 1909 1910	159 158 167 166	60.3 59.6 59.4 58.1	.183 .183 .180 .181	11.03 10.91 10.69 10.52	48 47 49 43	18 44 44 20	33 9 7 5	1	10 8 6 5	10 20 13 17	4 11 13 12	6 5 4 8	5 18 20 24	52 23 29 30	4 15 9 5				
57 establishments.....	1910 1911	276 303	58.4 58.5	.178 .178	10.33 10.32	42 40	19 18	26 15	13 15	3 3	23 21	10 13	6 7	29 27	28 3	3				
85 establishments.....	1911 1912	455 447	58.5 57.4	.194 .215	11.26 12.28	33 35	32 34	23 28	12 1	1	2 2	15 8	12 13	6 8	24 3	24 44	15 23			
85 establishments.....	1912 1913	449 472	57.4 57.6	.216 .212	12.34 12.12	35 31	34 32	30 35	1 1	2 5	8 5	13 19	8 7	3 3	43 36	23 23				
87 establishments.....	1913 1914	485 528	57.5 56.8	.212 .211	12.09 11.81	33 (1)	32 55	34 39	1 (1)	5 6	5 7	19 20	7 6	3 3	38 36	22 23				
78 establishments.....	1914 1916	499 499	56.6 56.6	.214 .244	11.99 13.62	58 59	6 6	35 35	(1) (1)	6 5	6 5	17 10	6 9	3 3	38 14	24 53				

96 establishments.....	1916	581	56.8	.341	13.46	55	8	37	(¹)			1	2	8	12	8	8	16	80
	1918	600	56.6	.342	18.87	61		39	1						3	4	5	18	73
99 establishments.....	1918	608	56.5	.340	18.73	60		37	1						2	4	5	18	73
Drawers-in, female:																			
86 establishments.....	1916	928	56.0	.191	10.47	68	7	25	(¹)	(¹)	(¹)	2	9	11	9	12	13	26	17
	1918	826	55.1	.263	15.41	75	2	22	(¹)	(¹)	(¹)	3	3	2	6	8	7	16	60
91 establishments.....	1918	834	55.3	.273	15.00	74	2	23	(¹)	(¹)	(¹)	2	3	3	6	8	7	16	59
Loom fixers, male:																			
36 establishments.....	1907	631	60.8	.207	12.59	44	17	39				(¹)	3	23	12	5	35	23	
	1908	619	59.7	.202	12.06	45	44	11					1	11	25	11	33	18	
	1909	680	59.8	.197	11.78	45	42	13				(¹)	1	10	29	13	34	12	
	1910	728	58.3	.202	11.78	44	18	28	9				1	9	24	14	29	22	
59 establishments.....	1910	1,267	58.7	.200	11.64	42	18	23	17					1	17	19	9	40	14
	1911	1,314	58.6	.203	11.81	44	17	23	17					1	16	18	9	41	15
88 establishments.....	1911	2,200	58.6	.203	11.80	33	30	25	12					1	15	18	7	48	12
	1912	2,273	57.7	.224	12.91	33	31	34	2						6	21	7	39	37
88 establishments.....	1912	2,290	57.7	.224	12.84	33	31	34	2						6	21	7	39	37
	1913	2,321	51.6	.226	12.93	34	30	35	2						3	22	7	26	42
90 establishments.....	1913	2,370	57.6	.227	12.96	35	29	34	2						3	22	7	25	43
	1914	2,491	56.8	.233	13.09	37	6	36	1						3	19	11	20	48
87 establishments.....	1914	2,441	56.7	.234	13.17	38	6	34	2						2	18	11	20	49
	1916	2,486	56.9	.268	15.10	36	6	35	3						(¹)	9	6	24	61
102 establishments.....	1916	2,776	56.8	.270	15.17	36	7	35	2						(¹)	9	6	23	62
	1918	2,703	56.4	.391	21.80	63	(¹)	33	4								(¹)	7	93
103 establishments.....	1918	2,709	56.4	.391	21.79	63	(¹)	34	4								(¹)	7	93
Weavers, male:																			
86 establishments.....	1907	2,769	60.3	.161	9.71	50	18	31	(¹)	2	5	12	16	13	17	16	15	3	
	1908	2,848	59.6	.160	9.54	50	25	15	(¹)	1	4	15	16	15	14	18	17	1	
	1909	3,123	59.3	.151	9.03	48	37	15	(¹)	2	5	17	18	21	17	9	10	1	
	1910	3,037	58.3	.154	8.98	49	11	30	9	(¹)	1	4	14	19	21	18	10	11	1
58 establishments.....	1910	5,334	58.8	.151	8.33	41	13	27	19	(¹)	1	4	18	21	21	17	10	9	1
	1911	5,012	58.8	.155	9.07	41	13	24	21	(¹)	1	3	12	19	23	18	11	11	1
88 establishments.....	1911	8,855	58.6	.156	9.08	35	27	25	13	(¹)	1	3	12	19	22	19	13	11	1
	1912	9,751	57.5	.169	9.67	38	24	37	1	(¹)	1	2	9	15	16	19	16	20	3
88 establishments.....	1912	9,775	57.5	.169	9.67	38	24	37	1	(¹)	1	2	9	15	16	19	16	19	3
	1913	9,316	57.7	.168	9.71	34	24	42	1	(¹)	(¹)	2	10	14	15	18	16	21	3

¹ Less than 1 per cent.

TABLE 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1907 TO 1918—Continued.

MANUFACTURING—Concluded.

Occupation, sex, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Per cent of employees whose full-time hours per week were—					Per cent of employees whose earnings per hour were—									
						Under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.
Weavers, male—Concluded.																				
80 establishments.....	1913	9,485	57.6	\$0.170	\$9.73	.....	35	23	41	1	(1)	(1)	2	10	14	15	18	16	21	3
	1914	9,755	56.8	.178	9.93	(1)	55	4	41	(1)	(1)	1	2	7	12	15	17	16	25	6
86 establishments.....	1914	9,518	56.7	.176	9.96	(1)	56	5	39	(1)	(1)	1	2	7	11	15	17	16	25	5
	1916	9,027	56.8	.202	11.37	(1)	54	5	40	(1)	(1)	(1)	(1)	5	8	12	13	12	30	21
100 establishments.....	1916	10,279	56.7	.205	11.54	(1)	55	7	39	(1)	(1)	.....	(1)	4	8	11	12	12	29	22
	1918	8,250	56.2	.302	16.81	1	62	(1)	37	(1)	(1)	(1)	(1)	1	2	3	4	18	71	71
103 establishments.....	1918	8,301	56.2	.301	16.78	1	62	(1)	37	(1)	(1)	(1)	(1)	1	2	3	4	18	71	71
Weavers, female:																				
86 establishments.....	1907	3,724	59.5	.151	8.98	.....	.....	61	22	17	(1)	2	4	14	17	19	22	14	7	(1)
	1908	3,903	59.0	.152	8.97	.....	.....	63	31	6	(1)	2	4	15	20	20	22	12	6	(1)
	1909	3,930	59.1	.144	8.51	.....	.....	60	34	6	.....	2	5	18	22	26	18	6	4	(1)
	1910	3,905	57.6	.151	8.70	.....	53	27	16	4	.....	1	4	18	22	26	17	7	4	(1)
59 establishments.....	1910	6,334	57.8	.147	8.47	.....	51	26	13	9	(1)	2	4	19	22	25	15	8	4	(1)
	1911	6,242	57.8	.144	8.31	.....	51	25	13	10	(1)	1	4	18	24	25	16	7	5	(1)
88 establishments.....	1911	10,792	57.9	.148	8.54	.....	39	41	13	7	(1)	1	4	16	23	23	18	10	6	(1)
	1912	10,980	56.9	.163	9.26	.....	41	41	17	1	.....	1	3	10	15	19	20	16	15	1
88 establishments.....	1912	10,998	56.9	.163	9.26	.....	41	41	17	1	.....	1	3	10	15	19	20	16	15	1
	1913	11,105	56.8	.164	9.29	.....	43	39	17	1	(1)	(1)	2	10	15	19	20	16	16	1
89 establishments.....	1913	11,236	56.7	.164	9.30	.....	44	39	17	1	(1)	(1)	2	10	15	18	20	16	16	1
	1914	11,188	55.8	.167	9.30	(1)	72	7	21	(1)	(1)	1	3	10	13	17	20	16	19	2
86 establishments.....	1914	11,066	55.8	.168	9.311	(1)	73	7	20	(1)	(1)	1	3	10	13	17	20	16	19	3
	1916	10,505	*55.7	.199	1.05	(1)	74	6	19	(1)	.....	(1)	(1)	5	8	10	11	15	37	14

101 establishments.....	1916	11,546	55.7	.201	11.12	(¹)	74	7	19	(¹)	(¹)	(¹)	(¹)	5	7	10	11	15	26	15
	1918	10,945	55.3	.285	15.64	1	76	23	23	(¹)	(¹)	(¹)	(¹)	1	2	3	4	5	17	67
103 establishments.....	1918	10,993	55.4	.285	15.62	1	76	23	23	(¹)	(¹)	(¹)	(¹)	1	2	3	4	5	17	67
Trimmers or inspectors, female:																				
30 establishments.....	1907	251	60.4	.102	6.16		41	28	31	25	1	18	37	10	10	2				
	1908	261	60.0	.101	6.06		39	46	15	21	8	30	19	11	6					
	1909	285	59.6	.099	5.90		40	52	8	18	5	38	28	1	7					
	1910	297	58.1	.101	5.87		43	26	25	7	15	5	30	40	2	1				
46 establishments.....	1910	408	58.3	.099	5.78		39	24	27	9	15	9	27	39	1	6	1	(¹)		
	1911	474	58.7	.102	5.94		35	25	27	13	15	6	28	37	7	9	1	(¹)	(¹)	
75 establishments.....	1911	712	58.7	.103	6.02		32	28	29	11	16	9	20	33	13	7	2	(¹)	(¹)	
	1912	703	58.0	.112	6.45		32	28	38	2	10	9	37	21	8	6	6	(¹)	(¹)	
77 establishments.....	1912	708	57.7	.112	6.41		32	27	38	2	11	9	8	36	20	7	6	1	(¹)	
	1913	687	57.9	.111	6.39		32	26	39	4	11	7	6	41	23	8	8	(¹)	(¹)	
74 establishments.....	1913	698	57.8	.112	6.41		32	26	38	4	11	6	6	41	25	8	3	(¹)	(¹)	
	1914	720	57.2	.113	6.41		44	14	42		10	9	7	40	20	8	4	(¹)		1
73 establishments.....	1914	717	57.2	.113	6.42		44	14	42		9	9	7	41	20	8	4	1	1	
	1916	844	56.9	.129	7.27		49	16	34	1	5	11	6	10	22	17	8	8	4	(¹)
83 establishments.....	1916	971	56.7	.129	7.25	2	50	17	30	1	4	9	6	17	28	17	7	7	4	(¹)
	1918	1,138	55.6	.184	10.21	8	67	30	30	1		(¹)	(¹)	6	10	12	13	22	31	5
87 establishments.....	1918	1,175	55.6	.186	10.28	3	67	30	30	1		(¹)	(¹)	6	10	12	12	22	32	5
Other employees, male:																				
88 establishments.....	1914	29,861	57.5	.151	8.59	1	50	5	41	3	7	2	3	17	17	18	11	6	11	7
	1916	24,532	57.7	.174	9.98	1	47	5	43	4	5	2	2	16	11	10	16	11	13	15
105 establishments.....	1916	27,366	57.7	.176	10.05	1	47	7	41	4	4	2	2	15	11	11	15	11	14	15
	1918	25,692	56.8	.270	15.19	4	54	(¹)	37	4	(¹)	(¹)	(¹)	1	5	9	7	5	20	53
106 establishments.....	1918	25,740	56.8	.270	15.18	4	54	(¹)	37	4	(¹)	(¹)	(¹)	1	5	9	7	5	20	53
Other employees, female:																				
88 establishments.....	1914	12,143	56.3	.123	6.89	3	61	7	31	(¹)	18	6	6	17	18	14	11	6	4	1
	1916	5,175	55.7	.138	7.62	3	68	5	23	1	14	4	5	11	19	17	10	13	7	1
101 establishments.....	1916	5,913	55.7	.140	7.82	3	69	5	23	(¹)	13	4	5	11	18	16	9	15	8	2
	1918	6,349	54.4	.224	12.06	10	68		21	(¹)	2	1	1	5	7	8	9	12	20	26
102 establishments.....	1918	6,350	54.4	.224	12.06	10	68		21	(¹)	2	1	1	5	7	8	9	12	20	26

¹ Less than 1 per cent.

Laborers, color mixing, male:																				
12 establishments.....	1911	273	57.7	.146	8.45	40	34	25	(1)	37	53	13	3	1						
	1912	270	57.4	.147	8.46	38	38	24		27	53	12	3	1						
12 establishments.....	1912	248	58.4	.145	8.46	18	42	40	1	35	53	7	3	1						
	1913	246	58.6	.149	8.73	15	43	42	(1)	25	57	11	5	2						
12 establishments.....	1913	288	57.5	.151	8.67	35	27	35	(1)	(1)	21	59	14	4	1					
	1914	317	56.8	.153	8.66	48	29	22	1	(1)	4	63	16	3	2					
11 establishments.....	1914	295	56.5	.152	8.61	51	31	16	1	(1)	(1)	16	62	17	3	2				
	1916	255	56.2	.178	9.99	58	24	18			1	16	83	40	13					
13 establishments.....	1916	281	56.5	.181	10.22	53	21	25			1	14	27	37	21					
	1918	277	55.5	.276	15.30	76	11	12	(1)						19	59	21	(1)	(1)	
Engravers, male:																				
12 establishments.....	1911	179	55.8	.479	26.68	18	40	42								5	64	30	1	
	1912	166	55.4	.483	26.75	17	40	42								4	57	39	1	
11 establishments.....	1912	123	55.8	.488	27.20	24	19	57	1							1	63	34	2	
	1913	107	55.9	.484	27.01	31	18	35	17							3	65	30	2	
11 establishments.....	1913	124	54.9	.482	26.41	27	48	11	15							8	52	38	2	
	1914	123	53.0	.510	27.01	51	48									1	32	66		
10 establishments.....	1914	118	53.0	.511	27.05	49	51									1	31	66	2	
	1916	107	53.1	.526	27.89	47	53									2	24	68	3	
11 establishments.....	1916	122	53.3	.533	28.42	41	57									2	21	67	10	
	1918	115	53.2	.717	37.78	47	52	1								4	4	5	90	
Printers, male:																				
12 establishments.....	1911	156	56.9	.489	27.79	55	37	8							10	3	3	79		
	1912	164	56.7	.487	27.54	54	38	9							11	5	3	76		
12 establishments.....	1912	137	57.4	.472	27.04	35	48	14								13	7	16	64	
	1913	133	57.1	.470	26.78	42	48	10								3	13	6	70	
12 establishments.....	1913	147	56.3	.479	26.85	61	31	9							3	12	5	7	73	
	1914	159	55.5	.518	28.57	72	23	1							2	10	5	4	75	4
11 establishments.....	1914	152	55.5	.516	28.51	70	29	1							2	11	5	4	74	5
	1916	155	55.2	.548	30.11	79	19	2								3	13	3	43	38
13 establishments.....	1916	176	55.1	.553	30.34	82	16	2								3	11	3	45	32
	1918	142	54.5	.797	43.38	100										1	1	6	92	

1 Less than 1 per cent.

TABLE 1.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN THE PRINCIPAL OCCUPATIONS, 1907 TO 1918—Concluded.

FINISHING—Concluded.

Occupation, sex, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Per cent of employees whose full-time hours per week were—					Per cent of employees whose earnings per hour were—																												
						Under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.																	
Calender tenders, male:																																							
20 establishments.....	1911	412	57.9	\$0.149	\$8.61	29	49	23			4	10	52	21	(1)	(1)																							
	1912	409	57.8	.151	8.73	30	49	21			7	14	44	31	3	1																							
20 establishments.....	1912	422	58.1	.150	8.72	24	48	28			7	15	46	23	1	1																							
	1913	395	57.8	.153	8.85	28	49	23				15	52	23	4	1																							
19 establishments.....	1913	344	57.7	.156	8.98	33	40	27					10	53	33	6	1																						
	1914	359	56.7	.161	9.12	52	17	31					9	23	52	7	3	(1)																					
19 establishments.....	1914	359	56.7	.161	9.12	52	17	31					9	23	52	7	3	(1)																					
	1916	326	55.9	.192	10.73	69	18	13				4	5	23	33	35	2	1																					
23 establishments.....	1916	363	56.0	.195	10.88	68	16	16					4	4	18	31	40	2	1																				
	1918	308	55.3	.279	15.40	83	12	6							(1)	23	47	23	1																				
Folders, male:																																							
19 establishments.....	1911	268	57.4	.230	13.16	59	14	27					1	10	5	17	83	22	10																				
	1912	277	57.2	.246	14.06	54	25	21						10	3	10	23	39	13	1	1																		
19 establishments.....	1912	276	57.7	.243	13.99	43	25	32							10	3	9	30	33	13	1	1																	
	1913	250	57.1	.250	14.20	58	14	28							4	5	33	40	13																				
19 establishments.....	1913	268	56.8	.247	13.95	63	11	26							4	4	42	37	12																				
	1914	255	56.0	.273	15.18	66	9	25					1		3	4	24	27	39	2																			
20 establishments.....	1914	290	55.7	.272	15.05	73	8	19						1	3	3	25	27	33	2																			
	1916	300	54.8	.306	16.72	90	7	3						1	(1)	1	23	11	55	5	(1)																		
24 establishments.....	1916	361	54.9	.303	16.57	91	6	4							1	1	21	14	55	4	(1)																		
	1918	260	54.3	.427	23.14	99		1								5	8	20	48	3																			

Knotters, female:																										
19 establishments	1911	281	56.9	.116	6.59	.....	75	19	16	.....	23	47	8	0	11	1	(1)									
	1912	296	56.1	.121	6.78		71	14	13		23	37	19	5	12	2	1									
19 establishments	1912	300	56.5	.121	6.82		65	13	22		17	45	18	5	12	2	1									
	1913	274	55.9	.118	6.54		73	16	11		15	40	22	9	8		(1)									
19 establishments	1913	279	55.8	.117	6.51		74	16	10		14	45	27	5	8		(1)									
	1914	282	54.6	.122	6.69		89	6	5		5	46	27	16	4		(1)									
20 establishments	1914	285	54.6	.122	6.66		89	6	5		5	46	27	15	4		(1)									
	1916	317	54.4	.139	7.57		95	8	3			19	45	21	5		(1)									
23 establishments	1916	351	54.4	.140	7.61		95	2	3			17	47	22	7		(1)									
	1918	292	53.9	.208	11.19		98					2	2	21	21		(1)									
Other employees, male:																										
23 establishments	1914	7,546	56.9	.172	9.78		2	58	13		23	4	1	2	13	81	16	7	10							
	1916	7,923	56.2	.205	11.48		1	68	16		11	8	(1)	1	5	11	21	21	22							
25 establishments	1916	8,648	56.3	.206	11.55		1	67	15		14	3	(1)	1	5	10	21	24	21							
	1918	8,492	55.9	.302	16.82		2	76	9		9	4		(1)	(1)	(1)	1	2	19							
Other employees, female:																										
19 establishments	1914	1,857	54.4	.136	7.38		3	89	4		4		7	25	31	13	7	7	6							
	1916	1,961	54.2	.161	8.72		4	89	7		1		(1)	8	30	20	14	9	15							
21 establishments	1916	2,188	54.2	.159	8.64		4	80	6		1		1	7	30	21	12	8	11							
	1918	2,173	54.0	.235	12.69		3	97					(1)	(1)	2	3	9	16	40							
23 establishments	1918	2,218	54.0	.235	12.71		3	97					(1)	(1)	2	3	8	15	40							

¹ Less than 1 per cent.

Table 1 and General Tables A and B show figures for identical establishments from year to year. Where changes were made in the number or identity of establishments it was necessary to show two sets of figures for each year.

To aid in making comparisons from year to year, relative or index numbers have been computed for full-time hours, earnings per hour, and full-time weekly earnings for each occupation for the years 1910 to 1918, inclusive. These relatives are based on the averages shown in General Table A. In computing the relatives the averages for the larger number of establishments for each year were used. The relatives are simply percentages in which the figures for 1913 are taken as the base or 100 per cent. The year 1913 is used as the base for relative or index numbers, as it represents the close of a distinct economic period.

Thus the facts for the earlier and later years are brought into direct comparison with the facts for the year immediately preceding the war, namely, 1913.

TABLE 2.—RELATIVE FULL-TIME HOURS PER WEEK, HOURLY EARNINGS, AND FULL-TIME WEEKLY EARNINGS, IN THE PRINCIPAL OCCUPATIONS, 1910 TO 1918.

MANUFACTURING.

(1913=100.)

Occupation, sex, and year.	Relative full-time hours per week.	Relative hourly earnings.	Relative full-time weekly earnings.	Occupation, sex, and year.	Relative full-time hours per week.	Relative hourly earnings.	Relative full-time weekly earnings.
Card strippers, male:				Speeder tenders, female:			
1910.....	102	86	88	1910.....	102	88	90
1911.....	102	87	89	1911.....	102	90	92
1912.....	100	96	97	1912.....	100	99	98
1913.....	100	100	100	1913.....	100	100	100
1914.....	99	104	102	1914.....	98	133	101
1916.....	99	120	118	1916.....	98	125	121
1918.....	98	192	188	1918.....	97	183	177
Drawing-frame tenders, male:				Spinners, mule, male:			
1910.....	103	88	90	1910.....	103	78	80
1911.....	103	89	91	1911.....	102	91	93
1912.....	100	99	99	1912.....	100	99	99
1913.....	100	100	100	1913.....	100	100	100
1914.....	100	106	106	1914.....	99	134	102
1916.....	101	116	116	1916.....	98	123	121
1918.....	99	183	180	1918.....	98	173	169
Drawing-frame tenders, female:				Spinners, frame, male:			
1910.....	102	79	80	1913.....	101	84	85
1911.....	102	83	84	1911.....	101	88	89
1912.....	100	96	96	1912.....	103	131	101
1913.....	100	100	100	1913.....	100	130	100
1914.....	98	134	100	1914.....	96	135	101
1916.....	98	119	116	1916.....	93	115	114
1918.....	96	183	176	1918.....	95	173	167
Speeder tenders, male:				Spinners, frame, female:			
1910.....	103	90	92	1910.....	102	84	86
1911.....	102	93	94	1911.....	102	87	89
1912.....	100	98	97	1912.....	100	97	95
1913.....	100	100	100	1913.....	100	100	100
1914.....	99	106	104	1914.....	98	133	102
1916.....	98	120	116	1916.....	99	116	115
1918.....	97	183	175	1918.....	97	182	176

TABLE 2.—RELATIVE FULL-TIME HOURS PER WEEK, HOURLY EARNINGS, AND FULL-TIME WEEKLY EARNINGS, IN THE PRINCIPAL OCCUPATIONS, 1910 TO 1918—Concluded.

MANUFACTURING—Concluded.

Occupation, sex, and year.	Relative full-time hours per week.	Relative hourly earnings.	Relative full-time weekly earnings.	Occupation, sex, and year.	Relative full-time hours per week.	Relative hourly earnings.	Relative full-time weekly earnings.
Slasher tenders, male:				Weavers, male—Con.			
1910.....	102	84	85	1914.....	99	104	102
1911.....	102	82	93	1916.....	98	121	119
1912.....	100	102	102	1918.....	98	177	172
1913.....	100	100	100	Weavers, female:			
1914.....	99	100	98	1910.....	102	90	91
1916.....	99	114	111	1911.....	132	97	92
1918.....	98	160	155	1912.....	100	97	100
Loom fixers, male:				1913.....	100	177	100
1910.....	102	88	90	1914.....	98	1.2	100
1911.....	102	89	91	1916.....	98	123	120
1912.....	100	99	99	1918.....	98	174	168
1913.....	100	100	100	Trimmers or inspectors, female:			
1914.....	99	103	101	1910.....	101	89	90
1916.....	99	119	117	1911.....	101	93	94
1918.....	98	172	168	1912.....	100	111	100
Weavers, male:				1913.....	100	100	100
1910.....	102	89	91	1914.....	99	102	100
1911.....	132	82	93	1916.....	98	116	113
1912.....	100	99	99	1918.....	98	168	161
1913.....	100	100	100				

FINISHING.

Laborers, bleach house, male:				Printers, male:			
1911.....	100	94	93	1911.....	101	102	104
1912.....	100	96	96	1912.....	102	98	101
1913.....	100	100	100	1913.....	100	100	100
1914.....	97	103	100	1914.....	99	108	106
1916.....	97	124	120	1916.....	98	115	113
1918.....	95	185	175	1918.....	97	166	162
Laborers, dyehouse, male:				Calender tenders, male:			
1911.....	100	97	97	1911.....	100	97	97
1912.....	99	103	102	1912.....	101	98	99
1913.....	100	100	100	1913.....	100	100	100
1914.....	98	103	100	1914.....	98	105	103
1916.....	99	116	114	1916.....	97	127	123
1918.....	97	183	177	1918.....	96	182	174
Laborers, color mixing, male:				Folders, male:			
1911.....	100	97	97	1911.....	101	93	94
1912.....	102	96	98	1912.....	102	98	100
1913.....	100	100	100	1913.....	100	100	100
1914.....	99	101	100	1914.....	98	110	108
1916.....	98	120	118	1916.....	97	123	119
1918.....	97	183	176	1918.....	96	173	166
Engravers, male:				Knotters, female:			
1911.....	102	99	101	1911.....	102	99	101
1912.....	101	100	101	1912.....	101	103	105
1913.....	100	100	100	1913.....	100	100	100
1914.....	97	106	102	1914.....	98	104	102
1916.....	97	111	108	1916.....	97	120	117
1918.....	97	148	143	1918.....	97	178	172

The relative number for each year preceding and subsequent to 1913 is the per cent that the average for that year is of the average for 1913. For example: Table 2 shows that relatively the full time weekly earnings of card strippers in 1910 were but 88 per cent of their weekly earnings in 1913. In 1912 they had increased to 97 per cent; in 1916 to 118 per cent, and in 1918 to 188 per cent of their earnings in 1913.

Table 3 is a summary, showing by States the number and per cent of employees working certain classified percentages of full time, during the period for which data were obtained.

This table is divided into two sections for each branch of the industry, one relating to employees whose time was reported for one week, and the other relating to those whose time was reported for two weeks in such a way that it could not be divided. In a majority of establishments a part of the force is on a one-week pay roll and a part on a two-week pay roll, hence such plants have a representation in each section of the table.

A few establishments having other than a one-week or two-week pay roll are omitted from this table, as are also some employees for whom data were incomplete.

TABLE 3.—NUMBER AND PER CENT OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME DURING ONE PAY-ROLL PERIOD, 1918, BY STATES.

MANUFACTURING.

One-week pay rolls.

State.	Number of establishments.	Number of employees.	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.			
			No.	P. ct.	No.	P. ct.	No.	P. ct.	No.	P. ct.	No.	P. ct.		
Alabama.....	6	3,392	1,533	46	1,859	54	1,235	36	385	11	111	4		
Connecticut.....	4	1,893	1,589	84	307	16	164	9	80	4	35	2		
Georgia.....	11	3,976	1,855	46	2,131	51	1,233	31	554	14	216	5		
Maine.....	5	4,491	3,504	78	987	23	505	11	209	5	33	1		
Massachusetts.....	20	15,822	12,741	81	3,081	19	1,523	10	784	5	281	2		
New Hampshire.....	3	3,304	2,675	81	629	19	333	10	175	5	66	2		
New York.....	2	1,368	1,113	81	255	19	142	10	74	5	37	3		
North Carolina.....	14	3,022	1,903	61	1,194	39	608	20	307	10	120	4		
Pennsylvania.....	1	163	123	66	65	31	49	25	21	11	10	5		
Rhode Island.....	3	2,392	1,886	79	506	21	296	12	135	6	48	2		
South Carolina.....	20	7,203	3,392	47	3,811	53	1,785	25	815	11	264	4		
Total.....	89	47,099	32,291	69	14,805	31	7,884	17	3,539	8	1,259	3		

Two-week pay rolls.

Alabama.....	8	1,474	528	36	946	64	579	39	212	14	77	5
Connecticut.....	4	738	699	81	139	19	78	11	14	2	8	1
Georgia.....	10	1,351	207	15	1,144	85	649	48	318	24	121	9
Maine.....	5	1,288	850	68	398	32	215	17	61	5	19	2
Massachusetts.....	20	6,195	4,314	70	1,881	30	1,122	18	408	7	168	3
New Hampshire.....	5	12,225	7,408	61	4,777	39	1,967	16	915	7	272	2
New York.....	2	300	231	61	149	39	81	21	30	8	18	5
North Carolina.....	18	2,209	996	45	1,212	55	576	26	279	13	111	6
Pennsylvania.....	3	533	297	56	236	44	100	19	53	10	32	6
Rhode Island.....	3	1,108	73	65	405	35	218	19	73	6	31	3
South Carolina.....	19	1,773	499	28	1,274	72	577	33	317	18	143	8
Total.....	97	29,273	16,712	57	12,561	43	6,162	21	2,683	9	1,003	3

TABLE 3.—NUMBER AND PER CENT OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME DURING ONE PAY-ROLL PERIOD, 1918, BY STATES—Concluded.

FINISHING.

One-week pay rolls.

State.	Number of establishments.	Number of employes.	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.			
			No.	P. ct.	No.	P. ct.	No.	P. ct.	No.	P. ct.	No.	P. ct.		
Connecticut.....	3	1,195	856	72	339	28	53	8	57	5	20	2		
Georgia.....	1	2	.....	.....	2	100	2	100	1	50	.....	.....
Maine.....	1	535	401	76	131	24	41	8	15	3	3	1		
Massachusetts.....	9	5,222	3,923	75	1,238	25	366	7	178	3	81	2		
New Hampshire.....	1	267	241	90	21	10	10	4	7	3	4	1		
New Jersey.....	2	69	330	51	315	49	80	12	31	5	8	1		
New York.....	3	1,700	1,233	75	427	25	131	8	60	4	21	1		
North Carolina.....	2	32	20	63	12	38	5	16	1	3	.....	.....
Rhode Island.....	7	3,823	2,503	71	1,025	23	269	8	113	3	33	1		
South Carolina.....	1	21	12	57	9	43	1	5	.....	.....	.....	.....
Total.....	30	13,148	9,568	73	3,580	27	1,001	8	466	4	175	1		

Two-week pay rolls.

Alabama.....	1	22	17	77	5	23	5	23	.....	.....	.....	.....
New Hampshire.....	2	772	592	77	180	23	69	9	24	3	10	1
North Carolina.....	4	71	25	35	46	65	21	30	13	18	5	7
Pennsylvania.....	1	469	199	42	270	58	115	25	74	16	31	7
Total.....	8	1,334	833	62	501	38	210	16	111	8	46	3

According to the first section of the cotton-manufacturing branch of this table, 69 per cent of the employees worked full time or over during the period covered by the pay rolls, and 31 per cent did not work full time. Seventeen per cent worked under 75 per cent full time and by deduction it is seen that 14 per cent of the employees worked 75 per cent and under 100 per cent of full time. In the two-week period a smaller per cent of employees made full time, as would be expected. An employee might make full time the first week, yet lose time the second week, or vice versa.

Table 4 is a summary of General Table D (pp. 88-121), showing for each occupation the average full-time hours per week of the establishments in comparison with the average hours actually worked in the pay-roll period reported, and comparing the average full-time weekly earnings with the average amount actually earned in the week.

Like Table 3, this table is divided first into two branches of the industry and each branch is divided into two sections, one representing one-week pay rolls, and the other two-week pay rolls. As in Table 3, certain establishments have been omitted from this table because the pay rolls were for other periods than one or two weeks; also some employees are omitted because of incomplete data.

TABLE 4.—AVERAGE FULL-TIME HOURS AND HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS, AND AMOUNTS ACTUALLY EARNED DURING ONE PAY-ROLL PERIOD, 1918.

MANUFACTURING.

One-week pay rolls.

Occupation and sex.	Number of establishments.	Number of employees.	Average full-time hours for pay-roll period.	Average hours actually worked during pay-roll period.	Average full-time earnings for period.	Average amount actually earned during period.
Card strippers, male.....	87	610	56.0	53.3	\$14.80	\$14.37
Drawing-frame tenders, male.....	63	401	57.0	47.8	11.18	9.58
Drawing-frame tenders, female.....	47	677	54.7	49.7	11.28	10.37
Slubber tenders, male.....	85	595	56.6	52.1	17.07	16.14
Slubber tenders, female.....	13	50	54.2	49.9	15.23	14.18
Speeder tenders, male.....	23	1,184	58.1	51.2	15.16	13.76
Speeder tenders, female.....	83	2,638	55.0	49.7	15.04	13.77
Spinners, mule, male.....	16	292	54.3	51.3	26.46	25.01
Spinners, frame, male.....	47	369	55.8	44.0	13.53	11.36
Spinners, frame, female.....	85	6,123	56.0	47.4	12.98	11.51
Doffers, male.....	84	2,305	56.1	47.1	12.88	11.08
Doffers, female.....	21	553	52.2	48.2	12.95	12.03
Spooler tenders, female.....	86	2,878	56.0	47.6	11.34	9.89
Warper tenders, male.....	17	32	60.0	52.5	14.46	12.60
Warper tenders, female.....	73	481	55.5	50.9	14.02	13.05
Beamer tenders, male.....	16	188	54.7	52.5	24.48	23.55
Beamer tenders, female.....	5	87	54.3	52.5	19.69	19.06
Slasher tenders, male.....	84	474	56.6	54.9	18.13	17.97
Drawers-in, female.....	74	651	55.4	50.1	14.72	13.43
Loom fixers, male.....	81	2,069	56.3	54.0	21.94	21.18
Trimmers or inspectors, female.....	75	1,078	55.5	50.4	10.31	9.45
Other employees, male.....	86	18,873	56.3	53.6	14.92	14.46
Other employees, female.....	52	4,534	54.4	43.4	12.31	10.10

Two-week pay rolls.

Card strippers, male.....	13	87	111.6	97.1	\$30.76	\$27.05
Drawing-frame tenders, male.....	9	34	116.1	81.7	22.90	17.04
Drawing-frame tenders, female.....	7	122	103.9	94.8	25.38	22.47
Slubber tenders, male.....	12	119	119.3	96.3	37.56	32.95
Slubber tenders, female.....	8	15	108.0	65.6	23.47	14.40
Speeder tenders, male.....	11	149	108.6	97.0	32.30	27.52
Speeder tenders, female.....	12	512	109.0	96.2	31.62	28.19
Spinners, frame, male.....	4	9	111.1	90.9	23.23	18.84
Spinners, frame, female.....	13	1,138	109.5	90.9	26.78	22.41
Doffers, male.....	12	327	107.8	92.3	26.89	23.29
Doffers, female.....	4	148	108.0	85.7	30.57	24.01
Spooler tenders, female.....	13	607	110.2	90.3	25.55	21.18
Warper tenders, male.....	9	22	117.3	93.6	27.02	22.06
Warper tenders, female.....	5	100	109.0	95.8	31.26	27.58
Beamer tenders, male.....	6	38	117.5	105.7	33.77	30.25
Beamer tenders, female.....	1	66	108.0	83.1	32.84	25.33
Slasher tenders, male.....	10	95	109.8	93.4	47.62	42.09
Drawers-in, female.....	10	155	109.1	83.5	33.51	25.31
Loom fixers, male.....	14	462	111.4	105.3	45.64	43.55
Weavers, male.....	97	7,709	111.9	94.5	33.89	29.27
Weavers, female.....	97	10,500	110.4	95.6	31.51	27.76
Trimmers or inspectors, female.....	6	67	112.0	100.2	22.25	20.04
Other employees, male.....	14	5,176	107.9	98.9	34.27	31.96
Other employees, female.....	13	1,525	100.8	85.6	24.16	21.05

TABLE 4.—AVERAGE FULL-TIME HOURS AND HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS, AND AMOUNTS ACTUALLY EARNED DURING ONE PAY-ROLL PERIOD, 1918—Concluded.

FINISHING.

One-week pay rolls.

Occupation and sex.	Number of establishments.	Number of employees.	Average full-time hours for pay-roll period.	Average hours actually worked during pay-roll period.	Average full-time earnings for period.	Average amount actually earned during period.
Laborers, bleach house, male.....	21	821	54.6	53.5	\$14.36	\$14.27
Laborers, dyehouse, male.....	25	914	55.6	56.6	15.43	15.63
Printers, male.....	13	133	54.4	58.3	43.95	47.02
Calender tenders, male.....	21	276	55.2	58.2	15.72	16.26
Laborers, color mixing, male.....	11	262	55.2	61.9	15.12	17.03
Knotters, female.....	20	266	53.9	49.5	11.08	10.13
Engravers, male.....	13	103	53.4	54.7	38.63	39.57
Folders, male.....	21	306	54.3	53.3	23.66	22.97
Other employees, male.....	23	7,060	55.8	58.6	16.79	17.73
Other employees, female.....	23	2,091	54.0	50.2	12.80	11.98

Two-week pay rolls.

Laborers, bleach house, male.....	3	71	111.5	109.2	\$29.42	\$29.34
Laborers, dyehouse, male.....	8	473	112.1	107.3	30.16	30.65
Engravers, male.....	1	12	102.5	103.2	60.01	60.39
Printers, male.....	1	9	110.0	81.8	69.56	52.01
Laborers, color mixing, male.....	2	15	119.6	111.9	37.02	35.21
Calender tenders, male.....	3	15	111.2	114.1	33.13	34.44
Folders, male.....	3	54	108.3	107.3	40.34	39.87
Knotters, female.....	3	26	108.0	100.4	24.67	22.68
Other employees, male.....	3	526	116.7	107.5	34.61	22.90
Other employees, female.....	3	127	107.2	87.2	19.50	16.00

EXPLANATION OF SCOPE AND METHOD.

The manufacturing section of this report includes data from establishments which make cambrics, chambrays, checks, converters' goods, colored goods, combed goods, cotton flannels, crêpes, damasks, denims, drills, foulardines, ginghams, lawns, madras, napped fabrics, organdies, percales, print cloths, sateens, sheetings, shirtings, stripes, tickings, twills, etc. Mills making mixed cotton and silk goods are not included.

Some of the establishments furnishing data concerning cotton manufacturing have finishing departments, for which data were obtained at the same time. In addition, data were obtained from several establishments engaged exclusively in finishing cotton goods.

All data were obtained from pay rolls of the various establishments by agents of the Bureau.

The number of establishments included or summarized in the report has varied considerably since 1907, as follows:

Manufacturing.

1907 to 1910.....	36 identical establishments.
1910 and 1911.....	59 identical establishments.
1911 and 1912.....	88 identical establishments.
1912 and 1913.....	88 identical establishments.
1913 and 1914.....	90 identical establishments.
1914 and 1916.....	88 identical establishments.
1916 and 1918.....	105 identical establishments.

Finishing.

1911 and 1912.....	30 identical establishments.
1912 and 1913.....	27 identical establishments.
1913 and 1914.....	33 identical establishments.
1914 and 1916.....	32 identical establishments.
1916 and 1918.....	34 identical establishments.

In addition to the 105 manufacturing establishments from which data were obtained for both 1916 and 1918, data were obtained from one establishment for 1918 only, making a total of 106 establishments from which data for 1918 are presented.

In the finishing branch of the industry data from 34 establishments were obtained for both 1916 and 1918.

In selecting establishments from which to obtain data, the Bureau undertook to represent all States in which cotton manufacturing and cotton finishing are of material importance, the measure of importance being the number of employees as reported by the United States Census of Manufactures.

Table 5 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 obtained data for 1918, and the number of employees in such establishments:

TABLE 5.—TOTAL NUMBER OF EMPLOYEES IN COTTON-GOODS MANUFACTURING AND NUMBER OF EMPLOYEES FOR WHICH DATA ARE SHOWN FOR 1918.

State.	Number of employees reported by the U. S. Census, 1910.	Establishments and employees for which data are shown for 1918 in this report.	
		Number of establishments.	Number of employees.
Massachusetts.....	108,914	20	22,017
North Carolina.....	47,231	22	8,209
South Carolina.....	45,451	20	8,976
Rhode Island.....	28,786	3	3,500
Georgia.....	27,803	12	6,478
New Hampshire.....	22,290	5	15,529
Pennsylvania.....	16,293	5	1,299
Maine.....	14,634	5	5,735
Connecticut.....	14,300	4	2,031
Alabama.....	12,731	8	4,906
New York.....	10,663	2	1,748
Other States.....	29,721	.....	.....
Total.....	378,880	106	81,121

According to the census of 1910, more than 92 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 obtained 1918 data and for which detailed information for 1918 is presented in this report, is over 21 per cent of the total in the industry in 1909, the year to which the census figures apply.

The number of employees in cotton-goods finishing for whom data for 1918 are shown is as follows:

Massachusetts.....	5,222	Maine.....	535
Rhode Island.....	3,523	Pennsylvania.....	469
New York.....	1,700	Other States.....	219
Connecticut.....	1,195		
New Hampshire.....	1,039	Total.....	14,553
New Jersey.....	646		

Full-time hours per week are the regular hours during which, under normal conditions, employees in an occupation are on duty. Full-time hours do not in any way indicate the extent of unemployment. Employees may work overtime, or broken time, or be laid off, or a temporary reduction may be made in working hours without affecting the full-time hours as here presented.

The rates of wages per hour appearing in the tables include the wages of time workers and the earnings of piece workers. All time rates not already on an hourly basis have been reduced to rates per hour, and the earnings of piece workers and of persons working at both time and piece rates have been reduced to rates per hour by dividing the earnings by the hours worked. For 1918 the piece workers and time workers of each occupation are shown separately and also combined as one group.

Where there was no record regularly kept of the actual time worked by employees, the establishments, at the request of the Bureau, kept a record for the pay-roll period selected.

The full-time weekly earnings are the earnings of employees working full time, or the earnings on broken time reduced to equivalent earnings for a full week. The actual earnings of employees during one pay-roll period are shown in Table D. In this table low earnings may be due either to a low rate or to broken time.

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

Descriptions of all the operations in a representative cotton mill may be found in Bulletin No. 239 of the Bureau. Figures relating to wages and hours are shown separately for 15 of the more important occupations in cotton manufacturing and 8 occupations in cotton finishing. The sex is shown for each occupation. Of the 15 occupations tabulated in cotton manufacturing, data are shown for males alone in 4 occupations, for females alone in 3 occupations, and for both males and females in 8 occupations.

Of the 8 occupations tabulated in cotton finishing, data are shown for males alone in 7 occupations, and for females alone in 1 occupation. The occupations arranged in order of manufacture are as follows:

<i>Manufacturing.</i>	<i>Finishing.</i>
Card strippers.	Laborers, bleach house.
Drawing-frame tenders.	Laborers, dyehouse.
Slubber tenders.	Laborers, color mixing.
Speeder tenders.	Engravers.
Spinners, mule.	Printers.
Spinners, frame.	Calender tenders.
Doffers.	Folders.
Spooler tenders.	Knotters.
Warper tenders.	
Beamer tenders.	
Slasher tenders.	
Drawers-in.	
Loom fixers.	
Weavers.	
Trimmers or inspectors.	

All employees not included under any of the above selected occupations are combined and shown under "Other employees."

GENERAL TABLES.

In addition to the text tables already shown, 8 general tables are presented as follows:

Table A.—Average and classified full-time hours per week, and earnings per hour, and average full-time weekly earnings, in the United States, by years, 1907 to 1918.

In this table the figures opposite each group of years are for identical establishments. When a second line is shown for 1918 it contains all data secured for 1918, whether or not comparable data for 1916 were available.

Table B.—Average and classified full-time hours per week, and earnings per hour, and average full-time weekly earnings, in each State, by years, 1916 and 1918.

In this table the figures for both years are for identical establishments, and do not include data from establishments furnishing information for 1918 only.

Table C.—Average and classified full-time hours per week, and earnings per hour, and average full-time weekly earnings, for piece workers and time workers, by States, 1918.

This table includes all data secured for 1918, whether or not comparable data for 1916 were available.

Table D.—Average full-time hours, hours actually worked, full-time weekly earnings and amounts actually earned, and number of employees working each classified per cent of full time and earning each classified amount, during one pay-roll period, for piece workers and time workers, by States, 1918.

This table includes data for all establishments from which information was secured for 1918. The table is divided into two sections, one relating to employees whose time and earnings were reported for one week, and the other relating to those whose time and earnings were reported for two weeks in such a way that they could not be divided. The purpose of this table is to compare the time actually worked by employees with the full working time of the establishments and the average amount actually earned, with more or less broken time of some employees, with the possible full-time earnings. A few establishments having other than one-week or two-week pay-rolls are omitted from this table, as are also some employees because of incomplete data.

Tables E, F, G, and H, respectively, show for cotton finishing the same facts that Tables A, B, C, and D show for manufacturing.

TABLE A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN THE UNITED STATES, BY YEARS, 1907 TO 1918.

MANUFACTURING.

[In this table the figures opposite each group of years are for identical establishments. When a second line is shown for 1918 it contains all data obtained for 1918, whether or not comparable data for 1916 were available.]

Table with columns for Occupation, sex, and number of establishments; Year; Number of employees; Average full-time hours per week; Average earnings per hour; and Employees whose full-time hours per week were (Under 48, 48, Over 48 and under 54, 54 and under 57, 57 and under 60, 60, Over 60) and Employees whose earnings per hour were (Under 8 cts., 8 and under 9 cts., 9 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 cts. and over).

TABLE A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN THE UNITED STATES, BY YEARS, 1907 TO 1918—Continued.

MANUFACTURING—Continued.

Occupation, sex, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—													
						Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.	
Slubber tenders, male: 100 establishments..	1916	834	57.5	\$0.192	\$11.21				358	82	389	5	1	3	4	50	84	116	110	7	233	135	30	1	
	1918	764	56.7	.308	17.23	4			423		352	5			2	8	21	22	35	1-6	132	270	128		
103 establishments..	1918	766	56.7	.307	17.22	4			424		333	5			2	8	21	22	35	147	133	270	128		
Slubber tenders, female: 13 establishments..	1916	60	51.2	.188	10.18				58	2					2	2	14	7	11	21	3				
	1918	67	54.0	.257	13.87				67							1	5	11	10	18	13		3		
17 establishments..	1918	74	54.1	.257	13.89				73		1					2	6	11	18	19	15		3		
Speeder tenders, male: 16 establishments..	1907	201	53.9	.113	7.41						201	24	12	17	63	53	18	10	5						
	1908	224	51.1	.123	7.52						171	53	6	14	24	77	53	20	12	5	8				
	1909	258	51.2	.129	7.89						195	63	5	10	19	66	79	52	21	4	2				
	1910	249	51.0	.131	7.99						192	67	4	11	14	63	72	43	23	8	2				
32 establishments..	1910	426	51.4	.131	8.03						273	153	4	23	26	107	115	69	60	19	3				
	1911	396	51.4	.135	8.29						243	153	1	20	20	87	118	67	45	35	3				
62 establishments..	1911	623	51.2	.135	8.24				3	17	474	129	5	20	32	131	168	140	66	41	5				
	1912	666	59.7	.142	8.47				50	12	581	23	6	19	16	97	198	155	106	60	9				
61 establishments..	1912	680	59.7	.142	8.52				50	12	595	23	6	19	15	92	203	166	107	63	9				
	1913	745	59.8	.145	8.72				39	4	691	11	2	3	26	113	188	212	113	53	27	2			
55 establishments..	1913	742	59.7	.145	8.64				42	2	687	11	2	3	24	111	189	214	116	51	23	6			
	1914	778	59.7	.151	9.04				37		741		4	2	11	70	193	223	152	73	40	4			
58 establishments..	1914	799	59.3	.153	9.04				91	10	698		4	3	13	68	195	215	109	80	42	4			
	1916	1,255	59.1	.144	9.67				205	12	1,067	1	5	9	16	78	221	345	239	133	166	45	8		

95 establishments..	1916	1,739	58.5	.174	10.13				455	54	1,228	3	5	11	19	93	253	396	303	181	357	94	27	
	1918	1,455	58.2	2.5	15.30	1			444		1,007	3		1	4	8	16	28	67	113	451	352	339	76
98 establishments..	1918	1,478	58.2	.265	15.28	1			454		1,020	3		1	4	8	10	28	68	113	459	350	349	76
Special tenders, female:																								
35 establishments..	1907	721	59.3	.139	8.24				473	153	105	9	23	23	95	176	242	123	19	6				
	1908	694	59.1	.138	8.16				438	208	48	8	25	33	118	168	185	100	51	3				
	1909	714	59.1	.135	7.98				453	220	41	1	13	31	119	246	246	51	5	2				
	1910	800	57.6	.134	7.72				437	185	143	35	10	26	39	125	286	217	64	29	4			
57 establishments..	1910	1,175	57.8	.133	7.68				602	313	165	95	11	33	59	194	413	325	99	81	6			
	1911	1,189	57.9	.135	7.80				597	311	165	116	9	29	62	202	352	388	106	34	5	2		
82 establishments..	1911	1,753	57.9	.136	7.86				801	547	258	147	13	38	89	273	505	589	179	53	8	3		
	1912	1,784	56.6	.149	8.42				890	531	328	35	4	23	60	195	280	563	429	149	89	3		
80 establishments..	1912	1,791	56.7	.148	8.38				918	503	335	35	4	23	60	198	288	595	429	149	89	3		
	1913	1,855	56.7	.151	8.55				890	597	343	25		12	33	181	316	643	472	138	54	3		
79 establishments..	1913	1,946	56.5	.153	8.61				983	597	341	25		12	33	179	316	650	519	166	59	9		
	1914	2,001	55.8	.155	8.61	1			1,385	191	418	6	5	13	33	177	280	590	600	203	91	6		
76 establishments..	1914	1,987	55.8	.155	8.62	1			1,385	191	404	6	5	15	31	174	275	589	600	201	91	6		
	1916	2,578	55.6	.187	10.33	1			1,691	244	438	4	6	11	22	120	158	243	416	653	870	71	8	
95 establishments..	1916	2,985	55.6	.188	10.38	1	2	2,192	314	473	4	8	11	22	120	173	285	460	767	1,010	112	8		
	1918	3,189	54.9	.276	15.10	6		2,701	474	8	8	2	5	12	33	63	96	141	536	1,199	1,032	64		
100 establishments..	1918	3,214	55.0	.277	15.10	6		2,710		490	8	3	2	5	12	36	63	100	141	548	1,199	1,041	64	
Spinners, male, male:																								
11 establishments..	1907	179	58.6	.234	13.71				139	61						2	1	8	23	107	158			
	1901	193	58.4	.225	13.14				153	35							2	2	13	21	113	145		
	1909	16	58.5	.221	12.93				113	33								4	10	17	103	119		
	1910	131	56.8	.218	12.38				89	33								1	11	27	60	112		
14 establishments..	1910	222	57.0	.219	12.50				117	96	9							3	11	43	130	126		
	1911	207	57.0	.225	12.82				110	83	9							2	5	6	33	133	128	
16 establishments..	1911	278	56.8	.255	14.44				179	100	9						2	5	6	33	147	195		
	1912	266	55.7	.279	15.43				182	84						1		5	20	93	145			
	1913	258	55.6	.281	15.58				182	76								1	9	13	85	150		
14 establishments..	1913	234	55.6	.296	15.82				158	76								1	9	13	66	145		
	1914	245	54.9	.291	15.95				202	43						1			4	13	66	156		
11 establishments..	1914	215	54.9	.296	16.20				172	43									3	17	60	134		
	1916	193	54.8	.346	18.94				157	39						1			1	1	14	73	48	60
17 establishments..	1916	334	54.7	.345	18.85				295	39										1	21	93	124	90
	1918	303	54.3	.487	26.40				303											2	3	56	242	

1 Classified as 25 cents and over.

TABLE A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN THE UNITED STATES, BY YEARS, 1907 TO 1918—Continued.

MANUFACTURING—Continued.

Occupation, sex, and number of establishments.	Year.	Number of employ-ees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—					Employees whose earnings per hour were—																				
						Under 48.	48.	Over 48 and under 64.	54 and under 67.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.							
																										Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.
Spinners, frame, male: 25 establishments..	1907	184	59.4	\$0.124	\$7.37	.....	.....	.....	.....	122	22	40	22	8	29	32	32	23	31	2	5	.....	.....	.....	.....		
	1908	214	58.8	.119	7.00	.....	.....	.....	.....	136	74	4	17	7	10	12	51	23	15	4	.....	.....	.....	.....			
	1909	188	58.9	.117	6.89	.....	.....	.....	.....	135	41	12	29	5	25	39	52	23	6	12	.....	.....	.....	.....			
	1910	183	57.2	.119	6.81	.....	.....	.....	.....	109	47	31	1	13	4	32	40	62	21	10	6	.....	.....	.....	.....		
	1911	261	57.2	.120	6.83	.....	.....	.....	.....	180	53	44	4	19	5	34	54	105	25	13	6	.....	.....	.....	.....		
26 establishments..	1910	420	57.0	.125	7.03	.....	.....	.....	.....	291	81	39	9	9	14	23	93	184	78	11	6	.....	.....	.....	.....		
	1911	709	57.2	.128	7.18	.....	.....	.....	.....	492	228	52	18	9	17	52	171	278	133	33	6	1	.....	.....	.....			
46 establishments..	1911	679	56.2	.148	8.30	.....	.....	.....	.....	858	269	44	13	7	5	23	114	122	169	103	104	82	.....	.....	.....			
	1912	584	56.7	.144	8.14	.....	.....	.....	.....	237	269	45	13	6	5	23	108	108	150	85	64	15	.....	.....	.....			
49 establishments..	1912	530	56.9	.143	8.07	.....	.....	.....	.....	221	186	113	5	15	19	23	85	110	117	75	59	27	.....	.....	.....			
	1913	503	56.8	.145	8.19	.....	.....	.....	.....	216	196	68	5	7	16	22	79	104	114	75	58	27	1	.....	.....				
31 establishments..	1914	458	55.2	.152	8.37	4	.....	.....	.....	379	17	60	.....	5	10	17	68	60	99	102	59	40	.....	.....	.....			
	1914	493	54.7	.170	8.18	.....	.....	.....	.....	376	18	75	.....	6	12	21	75	61	103	102	59	39	.....	.....	.....			
38 establishments..	1915	547	56.6	.169	8.47	14	.....	.....	.....	322	11	214	.....	47	14	16	43	57	50	62	63	147	43	3	.....					
	1916	499	56.6	.164	8.21	.....	.....	.....	.....	274	16	189	.....	57	12	14	42	39	58	43	50	142	27	2	.....					
41 establishments..	1913	338	64.1	.249	13.50	40	.....	.....	.....	220	.....	72	.....	2	2	1	21	21	23	14	56	56	27	100	17	
	1918	383	54.3	.248	13.48	55	.....	.....	.....	232	.....	90	.....	4	2	2	21	23	23	30	19	60	61	112	19	
Spinners, frame, female: 26 establishments..	1907	2,317	61.0	.110	6.71	.....	.....	.....	.....	1,000	305	1,012	484	174	307	343	527	287	62	42	1	.....	.....	.....	.....		
	1908	2,114	59.9	.107	6.41	.....	.....	.....	.....	895	923	2,555	461	147	159	612	406	186	59	5	22	.....	.....	.....	.....		
	1909	2,498	59.8	.109	6.34	.....	.....	.....	.....	1,107	951	857	399	182	403	634	573	185	38	1	.....	.....	.....	.....			
	1910	2,500	58.5	.112	6.55	.....	.....	.....	.....	1,020	442	784	.....	350	191	274	674	597	316	84	8	.....	.....	.....	.....		
	1918	2,317	58.5	.112	6.55	.....	.....	.....	.....	1,020	442	784	.....	350	191	274	674	597	316	84	8	.....	.....	.....	.....		

59 establishments..	1910	3,704	59.0	.108	6.33			1,313	621	1,097	683	679	319	449	861	847	406	107	14	3					
	1911	3,735	59.1	.111	6.48			1,285	646	1,053	751	538	369	458	871	891	434	124	20						
88 establishments..	1911	5,981	59.1	.111	6.51			1,590	1,639	1,811	941	733	594	767	1,557	1,498	649	150	28	5					
	1912	6,214	58.0	.123	7.11			1,764	1,667	2,566	217	497	325	512	1,452	1,304	1,591	367	121	15					
88 establishments..	1912	6,344	58.0	.124	6.98			1,889	1,667	2,690	217	493	345	524	1,477	1,317	1,610	415	161	32					
	1913	6,561	57.9	.127	7.29			1,932	1,742	2,763	124	512	365	450	1,442	1,194	1,662	643	212	81					
90 establishments..	1913	6,762	57.8	.123	7.33			2,118	1,742	2,778	124	517	365	450	1,477	1,221	1,705	677	257	92	1				
	1914	6,900	56.9	.132	7.45	23		3,644	349	2,874	16	255	398	567	1,444	1,208	1,623	981	331	102	2				
88 establishments..	1914	6,796	57.8	.132	7.47	23		3,644	349	2,734	16	252	389	547	1,389	1,172	1,619	979	331	102	2				
	1916	7,012	57.2	.147	8.32	14		3,385	362	3,222	29	576	308	435	962	945	663	849	1,464	787	49	1			
104 establishments.	1916	7,706	57.2	.149	8.42	14		3,654	544	3,465	29	599	319	428	1,032	1,036	773	920	1,589	958	51	1			
	1918	7,723	55.9	.233	12.90	407		4,343	3	2,930	40	34	20	49	203	414	596	691	708	1,527	2,146	1,278	67		
105 establishments.	1918	7,762	56.1	.233	12.89	416		4,343	3	2,950	40	34	20	49	203	415	606	695	714	1,535	2,146	1,278	67		
Doffers, male:																									
99 establishments..	1916	3,276	57.9	.139	8.15	37	9	1,049	129	1,064	18	848	212	203	629	307	420	444	365	235	41	2			
	1918	2,831	56.1	.231	12.83	333		1,003	1	1,464	30	5	6	21	42	116	224	303	337	701	638	379	59		
102 establishments.	1918	2,857	56.1	.231	12.87	333		1,023	1	1,470	30	5	6	21	42	116	227	303	343	718	638	379	59		
Doffers, female:																									
19 establishments..	1916	537	55.0	.192	8.92	38	2	318	179						28	16	72	140	140	102	23	16			
	1918	655	52.8	.256	13.56	85		570								1	14	57	33	166	285	87	12		
26 establishments..	1918	703	52.6	.255	13.46	109		594									2	16	62	33	177	314	87	12	
Spoolertenders, female:																									
104 establishments.	1916	3,682	57.2	.137	7.73	15	1	1,654	270	1,714	8	337	247	298	625	495	515	460	326	329	28	2			
	1918	3,750	56.2	.207	11.46	152	33	1,966	1	1,589	9	29	20	62	212	336	441	421	332	869	663	370	6		
105 establishments.	1918	3,759	5.62	.207	11.46	152	33	1,966	1	1,598	9	29	20	62	213	339	444	421	334	869	663	370	6		
Warpetenders, male:																									
25 establishments..	1918	75	59.4	.176	10.41			7		68						3	9	24	16	6	8	7	2		
	1918	77	59.6	.247	14.71			5		72						1	1	3	4	35	23	9	1		
31 establishments..	1918	82	59.6	.243	14.48			5		77						1	2	4	5	37	23	9	1		
Warper tenders, female:																									
78 establishments..	1916	562	56.0	.182	10.15			380	57	123	2				2	23	72	70	119	106	138	26	6		
	1918	555	55.3	.263	14.20	1	6	449	1	126	2					1	5	11	46	44	139	190	138	11	
82 establishments..	1918	535	55.4	.259	14.20	1	6	454	1	131	2					1	5	11	46	47	141	193	140	11	

GENERAL TABLES.

TABLE A.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN THE UNITED STATES, BY YEARS, 1907 TO 1918—Continued.

MANUFACTURING—Continued.

Occupation, sex, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—												
						Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.
						Beamer tenders, male: 22 establishments..	1916 1918	328 270	56.0 58.4	\$0.271 .405	\$15.01 22.65	219 166	109 103	1 1	7	9 25	29 1	49 3	15 15	40 39	166 49	2 163
24 establishments..	1918	280	56.3	.404	22.63	.....	.....	.....	176	103	.....	1	.....	.....	.....	.....	1	3	15	89	49	173	.....
Beamer tenders, female: 5 establishments..	1916 1918	91 98	54.8 54.1	.224 .297	12.28 16.07	.....	.....	.....	88 96	3 2	.....	.....	.....	.....	1	3	8 2	7 8	51 18	20 21	1 53	.....	1
7 establishments..	1918	113	5.41	.315	17.06	.....	.....	.....	111	2	.....	.....	.....	.....	.....	.....	2	3	18	21	56	13	.....
Slasher tenders, male: 35 establishments..	1907 1908 1909 1910	159 158 167 166	60.2 59.6 59.4 58.1	.183 .183 .180 .181	11.08 10.91 10.69 10.52	.....	.....	.....	77 75 82 72	29 69 73 52	53 14 12 8	.....	.....	1	30 12 10 9	16 32 33 28	17 17 21 20	9 8 6 13	8 29 34 38	82 36 48 49	16 124 115 19	.....	.....
57 establishments..	1910 1911	276 303	58.4 58.5	.178 .178	10.33 10.32	.....	.....	.....	116 122	53 65	72 81	35 45	.....	.....	9 10	63 63	28 38	16 20	79 82	72 81	19 19	.....	.....
85 establishments..	1911 1912	455 447	58.5 57.4	.194 .215	11.26 12.28	.....	.....	.....	149 157	144 153	106 131	56 6	6 .....	.....	10 8	68 86	56 58	26 34	110 13	111 195	168 103	.....	.....
85 establishments..	1912 1913	449 472	57.4 57.6	.216 .212	12.34 12.12	.....	.....	.....	157 147	153 154	133 166	6 5	.....	.....	10 25	36 25	58 91	34 35	13 16	195 172	108 103	.....	.....
87 establishments..	1913 1914	465 528	57.5 56.8	.212 .211	12.09 11.81	.....	.....	.....	159 202	154 29	167 204	5 1	.....	.....	25 32	25 37	92 103	35 30	16 14	184 191	108 121	.....	.....

78 establishments...	1914	499	56.6	.214	11.09	2	290	29	177	1					30	31	83	30	14	192	119			
	1916	499	56.6	.244	13.62		293	80	175	1					27	26	51	44	16	70	160	73	23	
96 establishments...	1916	581	56.8	.241	13.48		319	46	215	1			5	14	45	67	45	20	95	174	98	23		
	1918	600	56.6	.342	18.87		364		233	3						10	22	29	105	64	171	199		
99 establishments...	1918	608	56.5	.340	18.73		365		239	4							11	22	32	107	64	173	199	
Drawers-in, female:																								
86 establishments...	1916	926	56.0	.191	10.47	2	626	67	228	3	9	8	15	80	105	88	111	118	242	124	31			
	1918	825	55.1	.263	15.41	12	618		184	3	1	1		13	20	52	62	54	131	174	232	85		
91 establishments...	1918	834	55.3	.273	15.00	12	620		191	3	1	1	1	13	21	53	64	55	133	175	232	85		
Loom fixers, male:																								
36 establishments...	1907	631	60.8	.207	12.59			277	105	249					3	16	144	75	29	222	148			
	1908	619	59.7	.202	12.06			273	270	71						7	69	155	69	206	113			
	1909	680	59.8	.197	11.78			304	286	90						2	9	70	154	87	234	184		
	1910	728	58.3	.202	11.78			328	353	207	65						9	68	175	100	213	163		
59 establishments...	1910	1,267	58.7	.200	11.64			528	292	293	21				14	221	240	111	593	1178				
	1911	1,314	58.6	.203	11.81			574	226	266	218				12	213	236	112	544	1197				
88 establishments...	1911	2,200	58.6	.203	11.80			729	659	543	269				12	335	398	144	1054	1257				
	1912	2,273	57.7	.224	12.91			757	701	762	53					135	478	152	662	1846				
88 establishments...	1912	2,290	57.7	.224	12.84			757	701	779	58					148	480	154	662	1846				
	1913	2,321	57.6	.226	12.93			778	692	811	40					69	516	170	599	1967				
90 establishments...	1913	2,370	57.8	.227	12.98			821	692	817	40					69	521	170	600	1010				
	1914	2,491	56.6	.233	13.09		1,424	161	889	27						64	478	263	497	1189				
87 establishments...	1914	2,441	56.7	.234	13.17		1,424	151	821	45						60	423	263	496	1189				
	1916	2,456	56.9	.298	15.10		1,368	154	868	76						11	220	157	593	812	1189	4		
102 establishments...	1916	2,776	56.8	.270	15.17		1,543	208	972	53						13	253	167	629	878	1302	4		
	1918	2,703	56.4	.391	21.80		1,702	1	904	96								1	194	672	1006	930		
103 establishments...	1918	2,709	56.4	.391	21.79		1,702	1	910	96									1	200	672	1006	930	
Weavers, male:																								
36 establishments...	1907	2,769	60.3	.161	9.71			1,397	592	870	6	61	149	333	433	372	474	454	415	172				
	1908	2,848	59.6	.160	9.54			1,424	1,006	418	1	40	113	418	462	437	462	456	479	140				
	1909	3,123	59.8	.151	9.03			1,497	1,156	470	5	47	147	517	573	671	534	293	303	133				
	1910	3,037	58.3	.154	8.98		1,489	337	925	286	1	24	129	430	581	632	542	318	348	182				
58 establishments...	1910	5,334	58.8	.151	8.83		2,190	703	1,440	1,001	8	59	211	845	1,119	1,125	900	535	491	141				
	1911	5,012	58.8	.155	9.07		2,069	670	1,225	1,048	4	51	172	612	961	1,169	902	556	540	145				
88 establishments...	1911	8,855	58.6	.156	9.08		3,129	2,366	2,195	1,185	9	90	278	1,048	1,709	1,904	1,672	1,133	945	167				
	1912	9,751	57.5	.169	9.67		3,703	2,322	3,690	136		50	203	900	1,462	1,565	1,839	1,545	1,911	1286				

1 Classified as 25 cents and over.

86 establishments..	1914	11,066	55.8	.168	9.31	12	8,066	738	2,215	37	19	66	235	1,052	1,410	1,868	2,210	1,797	2,080	279	178	11
	1916	10,505	55.7	.199	11.05	24	7,818	628	2,011	23	2	2	5	518	805	1,014	1,194	1,550	3,897	1,333	170	
101 establishments..	1916	11,546	55.7	.201	11.12	25	8,519	793	2,182	23		1	4	558	873	1,139	1,323	1,683	4,205	1,535	230	16
	1918	10,945	55.3	.285	15.64	111	8,324	2,463	2,463	45	6	5	19	73	201	351	438	596	1,887	2,560	4,101	721
103 establishments..	1918	10,993	55.4	.285	15.62	112	8,350	2,486	2,486	45	5	5	20	74	204	357	442	695	1,898	2,566	4,105	722
Trimmers or inspectors, female:																						
80 establishments..	1907	251	60.4	.102	6.16			102	70	79	64	2	40	92	24	24	5					
	1908	261	60.0	.101	6.06			103	120	38	54	22	77	49	29	15	15					
	1909	285	59.6	.099	6.98			115	147	23	60	15	108	81	2	21	7					
	1910	297	58.1	.101	5.87		127	78	73	21	45	16	88	120		21	5					
46 establishments..	1910	408	58.3	.099	5.78		161	100	109	38	63	38	109	159	6	25	6	2				
	1911	474	58.7	.102	5.94		167	119	128	60	72	27	121	177	32	41	3		1			
75 establishments..	1911	712	58.7	.103	6.02		226	202	205	79	113	62	145	236	89	48	16	2	1			
	1912	703	58.0	.112	6.45		226	194	266	17	67	66	61	257	148	53	41	7	3			
77 establishments..	1912	708	57.7	.112	6.41		226	194	271	17	80	65	60	254	145	53	41	7	3			
	1913	687	57.9	.111	6.39		216	176	270	25	77	45	41	283	160	56	23	2				
74 establishments..	1913	698	57.8	.112	6.41		226	181	266	25	74	45	41	283	174	57	22	2				
	1914	720	57.2	.113	6.41		318	101	303		69	67	48	291	145	55	27	7	11			
73 establishments..	1914	717	57.2	.113	6.42		316	101	300		65	67	48	292	145	55	27	7	11			
	1916	844	56.9	.129	7.27		410	134	290	10	43	91	51	162	184	142	66	69	35	1		
83 establishments..	1916	971	56.7	.129	7.25	16	481	169	295	10	43	91	56	163	274	167	72	69	85	1		
	1918	1,138	55.6	.184	10.22	81	761		340	6		3	5	70	114	136	144	255	350	55	4	2
87 establishments..	1918	1,175	55.6	.186	10.29	31	790		348	6		3	5	73	114	138	144	255	379	58	4	2
Other employees, male:																						
88 establishments..	1914	29,861	57.5	.151	8.59	186	14,936	1,496	12,334	909	2,219	741	1,024	5,207	4,936	5,338	3,185	1,004	3,151	12,156		
	1916	24,532	57.7	.174	9.98	186	11,619	1,326	10,473	928	1,133	439	533	3,908	2,709	2,407	3,857	2,702	3,274	1,734	1,387	449
105 establishments..	1916	27,395	57.7	.176	10.05	220	12,934	1,973	11,250	993	1,179	454	573	4,141	3,130	2,907	4,236	2,995	3,712	1,946	1,614	508
	1918	25,692	56.8	.270	15.19	1,124	13,914	116	9,387	1,144	53	25	49	265	1,234	2,235	1,725	1,397	5,142	5,790	4,719	3,038
106 establishments..	1918	25,740	56.8	.270	15.18	1,126	13,914	116	9,428	1,149	53	25	49	267	1,242	2,245	1,732	1,400	5,163	5,798	4,723	3,058
Other employees, female:																						
88 establishments..	1914	12,143	56.3	.123	6.89	129	7,451	802	3,722	39	2,164	698	780	2,105	2,138	1,644	1,295	789	468	1,62		
	1916	5,175	55.7	.138	7.62	142	8,543	249	1,213	28	702	188	258	552	963	892	498	681	375	44	7	15
101 establishments..	1916	5,913	55.7	.140	7.82	152	4,070	303	1,355	28	741	211	278	677	1,048	972	551	882	463	67	8	15
	1918	6,349	54.4	.224	12.06	665	4,328		1,314	9	104	54	75	325	435	476	543	776	1,932	1,123	468	35
102 establishments..	1918	6,350	54.4	.224	12.06	665	4,328		1,315	9	104	54	75	325	435	479	543	777	1,932	1,123	468	35

¹Classified as 25 cents and over.

South Carolina:																							
19 establishments...	1916	76	60.0	.178	7.07					76				25	27	19	6						
	1918	53	60.0	.188	11.25					53				1	3	8	13	6	6	10	6	1	
Other States:																							
9 establishments...	1916	49	54.6	.189	10.30					49					2	1	13	10	12	2			
	1918	48	54.5	.253	15.41					47								1	13	20	14		
Total:																							
105 establishments...	1916	896	56.5	.167	9.23					495	89	304	8		27	124	166	121	257	133	7	1	
	1918	718	50.0	.267	14.84					476		225	13		1	5	26	53	58	134	234	175	26

DRAWING-FRAME TENDERS: Male.

Alabama:																						
4 establishments...	1916	54	60.2	20.101	\$6.08					50												
	1918	15	60.3	.163	9.81					13				4	2	5	4	2	39	4		
Georgia:																						
11 establishments...	1916	101	60.0	.107	6.44					101												
	1918	75	60.0	.164	9.82					75						6	11	2	54	28		
Maine:																						
3 establishments...	1916	32	58.0	.130	7.59						32											
	1918	12	53.3	.251	13.38					11									14	14	1	2
Massachusetts:																						
12 establishments...	1916	92	54.3	.164	8.91					57									16	20	34	16
	1918	74	54.4	.243	13.53					66											6	83
New Hampshire:																						
3 establishments...	1916	32	55.0	.180	9.90					32										1	5	5
	1918	19	54.0	.261	14.09					19											9	8
North Carolina:																						
22 establishments...	1916	130	60.0	.126	7.59					130												
	1918	123	60.0	.206	12.34					121											1	2
Rhode Island:																						
3 establishments...	1916	24	54.8	.157	8.69					21												
	1918	16	43.5	.276	13.75					8												
South Carolina:																						
19 establishments...	1916	176	60.0	.103	6.15					175									50	23	25	2
	1918	137	57.6	.162	9.42					114										10	35	12
Other States:																						
5 establishments...	1916	40	50.0	.161	8.88					35									4	10	1	16
	1918	39	54.2	.223	12.10					38										2	15	1
Total:																						
82 establishments...	1916	681	58.4	.126	7.32					170	32	469	4	40	42	23	103	100	79	79	30	18
	1918	510	57.4	.199	11.33					142		323	8	1	2	3	10	58	67	83	40	147

TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN EACH STATE, BY YEARS, 1916 AND 1918—Continued.

MANUFACTURING—Continued.

State and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—												
						Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.
DRAWING-FRAME TENDERS: Female.																								
Alabama: 6 establishments.....	1916	51	60.0	\$0.086	\$5.18																			
	1918	61	59.8	.144	8.61	1					51	28	4	3	10	5	15	1						
Georgia: 5 establishments.....	1916	40	60.0	.097	5.83																			
	1918	48	60.0	.143	8.59						40	6	4	11	15	8	1							
Maine: 3 establishments.....	1916	86	58.0	.106	6.16					86					63	10	5	8						
	1918	94	52.1	.210	11.29	9				85							47		19	23				
Massachusetts: 14 establishments...	1916	210	53.9	.149	8.03	3				207						55	130	23	2					
	1918	232	53.8	.223	12.00	4				228						1			10	190	27			
New Hampshire: 5 establishments.....	1916	179	55.0	.156	8.59					179					3	23	106	15	15	9	3			
	1918	185	53.9	.235	12.65.	3				182							5	8	122	39	11			
Other States: 10 establishments...	1916	64	54.4	.141	7.64					93	1			1	12	32	31	18						
	1918	103	53.9	.209	11.25	7				91	5					1	13	8	20	28	2			
Total: 43 establishments...	1916	660	55.6	.138	7.53	3				479	86	92		34	8	15	103	133	273	65	17			
	1918	723	54.7	.210	11.44	24				556		113			1	18	23	53	81	40	360			

SLUBBER TENDERS: Male.

Alabama: 8 establishments	1916	78	69.2	\$0.149	\$8.91					71	5		1		12	17	23	15	4	4				
	1918	70	53.4	.212	12.67	4				62	4				2	5	6	4	8	31	0	8		
Connecticut: 4 establishments	1916	20	55.0	.240	13.22					20									2	13	4	1		
	1918	19	55.0	.327	16.42					19										1	1	18		
Georgia: 12 establishments	1916	103	60.0	.153	9.19					103		1	1	1	12	16	22	33	11	6				
	1918	82	60.0	.230	13.81					82							4	3	7	42	23	3		
Maine: 5 establishments	1916	82	58.0	.163	12.72					82						5	2	3	6	53	12	1		
	1918	86	54.0	.389	21.00					86										2	5	46	33	
Massachusetts: 20 establishments	1916	166	54.0	.234	12.65					166				1	1	3	6	16	87	43	9			
	1918	152	54.0	.360	19.47					152						1			3	15	97	30		
New Hampshire: 5 establishments	1916	133	55.0	.254	13.09					133			1		1	5	3	4	41	64	19			
	1918	130	54.0	.381	20.57					130									12	71	47			
North Carolina: 22 establishments	1916	90	60.0	.159	9.53					90			1	11	9	24	25	13	7					
	1918	85	60.2	.240	14.44					84	1				2	6	7	6	23	35	6			
Rhode Island: 3 establishments	1916	22	54.0	.244	13.15					22									2	10	9	1	1	
	1918	25	54.0	.401	21.86					25											1	12	12	
South Carolina: 19 establishments	1916	124	60.0	.146	8.78					1			1	1	14	35	37	25	9	4				
	1918	104	60.0	.227	13.63										2	8	6	13	43	27	5			
Other States: 2 establishments	1916	13	54.9	.223	12.23					11		2							2	8	3			
	1918	11	54.0	.296	15.99					11										7	4			
Total: 100 establishments	1916	834	57.5	.192	11.21					358	82	389	5	1	3	4	50	84	116	110	67	233	135	80
	1918	764	56.7	.308	17.23	4				423		332	5			2	8	21	22	35	146	132	270	128

TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN EACH STATE, BY YEARS, 1916 AND 1918—Continued.

MANUFACTURING—Continued.

State and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings in cents per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—																
						Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 15 cts.	15 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 cts. and over.				
SLUBBER TENDERS: Female.																												
Massachusetts: 5 establishments.....	1916	20	54.0	\$0.275	\$11.05				20											1		3	5	11				
	1918	22	54.0	.285	15.41				22												1		3	5	11	6	11	
Pennsylvania: 4 establishments.....	1916	24	54.0	.159	8.57				24						2	1	12	4	4							1		
	1918	26	54.0	.203	10.98				26																	7	4	
Other States: 4 establishments.....	1916	18	54.6	.211	11.51				14	2										2			2	10	2			
	1918	19	54.4	.291	15.76				15															6	8	8	2	3
Total: 13 establishments....	1916	60	54.2	.188	10.18				58	2					2	2	14	7	11			11	21	3				
	1918	67	54.0	.257	13.87				67								1	5	11			11	16	18	18	13	3	
SPEEDER TENDERS: Male.																												
Alabama: 6 establishments.....	1916	160	60.0	\$0.147	\$8.70										4	6	23	37	32	33	15	6						
	1918	112	60.0	.204	12.26											2	4	6	6	10	10	13	48	14		5		
Georgia: 12 establishments.....	1916	211	60.0	.155	9.33										2	5	2	5	33	79	47	29	7		2			
	1918	225	60.0	.229	13.73														4	3	8	30	101	75		8		
Massachusetts: 18 establishments.....	1916	198	54.0	.229	12.36				198								1	3	5	22	9	09	46	13				
	1918	193	54.0	.349	18.81		1		192									1				5	34	116		37		
North Carolina: 22 establishments....	1916	381	60.0	.159	9.51										3	20	73	112	90	45	38							
	1918	345	60.0	.249	14.97																							

South Carolina: 19 establishments.....	1916	479	67.0	.148	8.95				6		462	2	8	2	7	44	105	166	94	89	11						
	1918	823	60.1	.230	13.21						327	1	1	1	1	4	8	10	83	48	161	55	13			2	
Other States: 18 establishments.....	1916	319	55.5	.224	12.43				251	54	14				1												
	1918	252	54.2	.343	18.57				232								2	2	17	41	198	48	14			36	
Total: 95 establishments.....	1916	1,739	58.5	.174	10.13				455	54	1,228	2	5	11	13	63	253	356	303	181	359	94					
	1918	1,455	58.2	.265	15.30	1			444		1,007	3		1	4	8	16	23	67	113	451	352	27			76	

SPEEDER TENDERS: Female.

Alabama: 8 establishments.....	1916	137	67.1	\$0.139	\$9.37						133	4	8	5	6	41	41	26	11	4							
	1918	123	60.1	.177	10.66						115	8	2	1	4	2	13	23	15	23	33	4					
Connecticut: 4 establishments.....	1916	174	57.0	.203	11.16				174								5	8	15	66	56	24					
	1918	148	53.0	.274	15.08				148												31	88	23				
Georgia: 9 establishments.....	1916	119	67.0	.153	9.11						119		1	2	3	13	27	40	19	12	5						
	1918	109	60.0	.197	11.83						109			1	1	3	4	13	11	13	40	13	2				
Maine: 5 establishments.....	1916	314	58.0	.189	10.06					314			1			3	3	33	09	66	104	8					
	1918	339	54.0	.236	15.96	1			338							1	8	1	4	9	38	76	194			8	
Massachusetts: 20 establishments.....	1916	1,132	54.0	.197	10.66	1			1,131							14	16	51	200	353	438	47	4				
	1918	1,225	54.0	.291	15.70	2			1,223							2	1	2	4	4	189	571	422			80	
New Hampshire: 5 establishments.....	1916	574	55.0	.272	11.12				574				1			2	13	33	57	118	242	80	3				
	1918	587	54.0	.302	16.33				587										2	7	53	233	281			11	
New York: 2 establishments.....	1916	147	54.0	.274	10.99				147								1	1	2	49	94						
	1918	135	54.0	.267	14.42				135								1	1		2	22	101	7			3	
North Carolina: 17 establishments.....	1916	63	60.0	.143	8.56				63				2	1	1	8	12	22	12	5							
	1918	72	60.0	.208	12.50				72				1			1	2	6	6	13	32	9	2				
Rhode Island: 3 establishments.....	1916	161	54.0	.197	10.65				164							3	2	6	14	71	64	3	1				
	1918	195	54.0	.305	16.47	1			194							1	4	2	2	3	9	72	89			13	
South Carolina: 17 establishments.....	1916	159	67.0	.134	8.04				1		158			8	12	43	38	31	17	10	2						
	1918	183	58.8	.198	11.84	2					178					1	5	12	38	44	65	12	3				
Other States: 5 establishments.....	1916	73	53.9	.159	8.55			2	71							2	15	33	8	13	5						
	1918	76	51.0	.223	12.06				76							1		1	11	19	21	20	3				
Total: 95 establishments.....	1916	2,986	55.6	.188	10.38	1	2	2,192	314	473	4	8	11	23	129	173	286	460	767	1,010	112						
	1918	3,189	54.9	.276	15.10	6		2,701		474	8	3	2	5	12	36	63	66	141	1,538	1,119	1,032	8			64	

South Carolina:	1918	15	54.0	.307	16.55						15										6	9
14 establishments...	1918	98	60.0	.092	5.51				98		40	10	12	18	9	9						
	1918	81	54.6	.150	8.22	31			53		2			19	14	20	15	4	9	1		
Other States:																						
14 establishments...	1916	170	58.7	.164	9.61				91		17	2	2	16	15	14	7	12	30	18	2	
	1918	73	54.7	.258	14.12	7			47	16			1	1	3	2	4	3	19	17	20	
Total:																						
41 establishments...	1916	489	56.6	.164	9.21				284	16	189		57	12	14	42	39	56	43	50	142	27
	1918	338	54.1	.249	13.50	46			220		72		2	2	1	21	21	25	23	14	66	56

SPINNERS, FRAME: Female.

Alabama:	1916	537	60.1	\$0.105	\$6.29					558	29	112	62	112	111	123	49	29	1	1		
8 establishments...	1918	501	69.0	.169	10.00	39			3	440	19	14	7	8	53	61	75	65	65	124	25	1
Connecticut:																						
4 establishments...	1916	172	55.0	.183	10.05				172					7	6	28	41	44	43	4		
	1918	173	54.4	.264	14.34	11			162						1	1	7	6	40	83	36	
Georgia:																						
12 establishments...	1916	789	60.0	.114	7.00				789		104	54	83	204	189	104	80	18	3			
	1918	739	59.8	.170	10.14	19			699	21	5	5	15	48	116	115	131	138	151	15		
Maine:																						
5 establishments...	1916	544	58.0	.174	10.11				544		1			6	21	50	113	63	184	104	2	
	1918	586	53.8	.290	15.57	16			570						1	2	15	23	110	166	261	
Massachusetts:																						
20 establishments...	1916	1,739	53.9	.185	9.96	14			1,725				2		1	24	55	181	485	544	462	5
	1918	1,822	63.7	.277	14.84	64			1,768							5	8	13	17	38	365	865
New Hampshire:																						
5 establishments...	1916	1,202	55.0	.188	10.32				1,202		1	1	1	14	51	74	144	673	217	26		
	1918	1,268	53.9	.279	15.04	8			1,260						1	1	6	14	26	162	728	811
New York:																						
2 establishments...	1916	215	54.0	.183	9.89				215		2	1	3	5	12	27	43	66	55			
	1918	209	54.0	.266	14.39				209					2	1	7	46	11	15	33		
North Carolina:																						
22 establishments...	1916	853	60.0	.111	6.85				853		136	60	75	252	199	100	23	7				
	1918	844	58.5	.186	10.88	88			756						26	88	136	169	263	33	6	
Pennsylvania:																						
4 establishments...	1916	118	54.0	.141	7.63				118		1			9	40	46	16	32	32	2		
	1918	133	53.0	.184	9.75	14			119				1		31	29	29	43	33	32		
Rhode Island:																						
3 establishments...	1916	211	54.0	.100	10.36				211					6	22	14	43	43	69	13	1	
	1918	272	53.8	.303	16.32	7			265						2	1	7	7	28	40	180	
South Carolina:																						
19 establishments...	1916	1,276	60.0	.104	6.22				11		1,285		240	141	147	379	285	66	12	5	1	
	1918	1,176	56.5	.168	9.78	141			1,065				15	8	25	65	141	223	204	24	4	
Total:																						
104 establishments...	1916	7,706	57.2	.149	8.42	14			3,654	544	3,465	29	590	317	423	1,032	1,076	773	926	1,689	968	51
	1918	7,723	55.9	.233	12.90	407			4,343	3	2,900	49	34	59	203	414	328	631	708	1,627	1,468	278

19 establishments...	1916	644	60.0	.100	6.02					6			678		112	85	82	235	84	36	4	6					
1918	545	58.1	.188	10.92	67								478		3		1	8	52	73	114	95	158	87	4		
Other States: 2 establishments...	1916	12	51.2	.121	6.20					9								6	4	2							
1918	9	53.0	.149	7.87	1					3								4	4	2	2	1					
Total: 99 establishments...	1916	3,206	57.9	.139	8.15	37				9	1,049	129	1,964	18	348	212	203	629	307	420	444	365	235	41	2		
1918	2,831	56.1	.231	12.89	333						1,033	1	1,464	30	5	6	21	42	116	224	303	337	701	638	379	59	

DOFFERS: Female.

Maine: 4 establishments...	1916	179	58.0	\$0.150	\$8.67																							
1918	200	53.2	.254	13.53	17					183	179					28	1	35	1	51	42	16	6					
Massachusetts: 7 establishments...	1916	181	52.2	.178	8.79	38				143								1	7	59	58	51	3	2				
1918	245	51.9	.258	13.42	60					185										3	3	7	98	116	18		3	
New Hampshire: 3 establishments...	1916	144	55.0	.179	9.85					144										22	20	39	85	14	14			
1918	171	54.0	.273	14.77						171										1	22	1	21	87	30		9	
Pennsylvania: 4 establishments...	1916	39	53.7	.123	6.76					28								14	8	7	1							
1918	39	53.7	.168	9.04	1				2	29											13	6	11					
Other States: 1 establishment...	1916	3	55.0	.153	8.40					3											3							
1918	0	47.2	.2.9	10.33	7					2												1	8					
Total: 19 establishments...	1916	537	55.0	.162	8.92	38				2	318	179						28	16	72	140	140	102	23	16			
1918	655	52.8	.256	13.56	85					570										1	14	57	33	166	16	285	87	

SPOOLER TENDERS: Female.

Alabama: 8 establishments...	1916	314	60.0	\$0.098	\$5.88																							
1918	280	59.8	.144	8.63	5					1	306	8	71	44	42	118	31	6	2									
Connecticut: 4 establishments...	1916	100	55.0	.172	8.92					100										1	5	22	23	18	19	12		
1918	114	53.6	.225	12.06	16					98											1	5	19	18	41	16	14	
Georgia: 12 establishments...	1916	380	60.0	.105	6.29						380		71	49	64	93	54	34	9									
1918	3.6	59.8	.154	9.21	4						3.2		4	5	23	39	69	74	65									
Maine: 5 establishments...	1916	270	58.0	.153	8.87						270																	
1918	282	53.9	.245	13.23	2					280											1	8	16	32	10	104	1	

TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN EACH STATE, BY YEARS, 1916 AND 1918—Continued.

MANUFACTURING—Continued.

State and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—												
						Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.
SPOOLER TENDERS: Female—Concluded.																								
Massachusetts: 20 establishments...	1916	845	53.8	\$0.179	\$9.11	15			830															
	1918	901	53.3	.252	13.34	63		33	805															
New Hampshire: 5 establishments...	1916	464	55.0	.178	9.78				464															
	1918	525	54.0	.204	14.25	1			524															
New York: 2 establishments...	1916	77	54.0	.190	10.25				77															
	1918	85	54.0	.237	12.79				85															
North Carolina: 22 establishments...	1916	462	60.0	.110	6.58																			
	1918	475	59.6	.168	10.00	12			4															
Pennsylvania: 4 establishments...	1916	57	53.9	.132	7.12			1	56															
	1918	65	54.2	.166	8.99	1			64															
Rhode Island: 3 establishments...	1916	122	54.0	.163	8.83				122															
	1918	108	53.8	.237	12.76	2			106															
South Carolina: 19 establishments...	1916	571	60.0	.094	5.66				5															
	1918	549	58.6	.149	8.71	46																		
Total: 104 establishments...	1916	3,602	57.2	.137	7.73	15		1	1,654	270	1,714	8	337	247	298	625	495	515	460	326	329	28	2	
	1918	3,750	56.2	.207	11.46	152		33	1,966	1	1,589	9	329	20	52	212	336	441	421	332	369	663	370	

TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN EACH STATE, BY YEARS, 1916 AND 1918—Continued.

MANUFACTURING—Continued.

State and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—												
						Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 over.
BEAMER TENDERS: Male.																								
Massachusetts: 8 establishments.....	1916	198	54.0	\$0.367	\$16.92																			
	1918	149	54.0	.479	25.87				198															
North Carolina: 7 establishments.....	1916	89	60.0	.191	11.47																			
	1918	87	60.1	.200	18.47					89		1			1			9	22	20	33	3		
Other States: 7 establishments.....	1916	41	57.2	.238	13.43																			
	1918	34	57.3	.338	19.24					21									1	6	10	4		
Total: 22 establishments...	1916	328	58.0	.271	15.01																			
	1918	270	56.4	.405	22.65					219									9	25	29	49		

SLASHER TENDERS: Male.

Alabama: 7 establishments.....	1916	24	60.1	\$0.145	\$8.69																	
	1918	29	60.0	.216	12.96						23	1			1		9	10		1	1	2
Georgia: 11 establishments.....	1916	63	60.0	.154	9.26																	
	1918	62	60.0	.236	14.25						28	1								1	2	22
Maine: 5 establishments.....	1916	46	58.0	.237	13.74																	
	1918	44	54.0	.374	20.17						63				5				1	39	13	6

Massachusetts:																																	
20 establishments....		1916	153	54.0	.296	15.47					155																						
		1918	155	54.0	.415	21.80					155																						
New Hampshire:																																	
5 establishments....		1916	104	55.0	.832	18.29					108																						
		1918	108	54.0	.455	24.62					108																						
North Carolina:																																	
20 establishments....		1916	57	60.0	.179	10.77					57																						
		1918	64	60.2	.345	14.74					63	1																					
South Carolina:																																	
18 establishments....		1916	72	60.0	.137	8.21					72					13	25	25	7			1											
		1918	80	60.0	.205	12.35					80											23	25	12	1								
Other States:																																	
10 establishments....		1916	55	54.5	.274	14.80					55																						
		1918	55	54.5	.375	20.91					54											1											
Total:																																	
95 establishments....		1916	691	56.8	.241	13.48					310	40	215	1																			
		1918	693	56.8	.342	18.87					304		238	2									5	14	45	67	45	20	95	174	69	28	199

DRAWERS-IN: Female.

Alabama:																															
7 establishments....		1916	30	60.8	00.123	\$7.80							27	3	3	1	2	9	9	4											
		1918	33	60.2	.102	9.70							27	3	3	1	2	9	9	4	13	6		8	2						
Connecticut:																															
4 establishments....		1916	40	55.0	.232	12.75					40							1	3	4	5	5	12	12	8						
		1918	43	54.5	.326	17.84	2				41										3	1	6	8	18	8					
Georgia:																															
11 establishments....		1916	59	60.0	.131	7.86							59		1	2	4	16	23	3	3	4	2	3	2						
		1918	52	60.0	.169	10.12							52					5	10	11	6	10	6	4	4						
Maine:																															
5 establishments....		1916	67	58.0	.180	10.41							67								5	8	7	22	14	18	3				
		1918	57	54.0	.305	10.61																	2	1	6	23	15				
Massachusetts:																															
19 establishments....		1916	307	53.9	.215	11.58	2				305												1	5	18	22	40	44	106	52	10
		1918	294	53.7	.308	16.20	8				298													3	3	9	8	54	70	96	42
New Hampshire:																															
5 establishments....		1916	178	55.0	.214	11.77					178																				
		1918	178	54.0	.312	16.85					178																				
North Carolina:																															
12 establishments....		1916	45	60.0	.128	7.66							45			2	2	9	19	10		2		1							
		1918	39	60.0	.200	12.01							36					1		5	6	11		9	2	2					
Pennsylvania:																															
3 establishments....		1916	35	54.0	.172	9.27					35																				
		1918	15	54.0	.209	11.81					15																				
Rhode Island:																															
8 establishments....		1916	40	54.0	.213	11.49					40																				
		1918	51	54.0	.290	15.15					51																				

TABLE B.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN EACH STATE, BY YEARS, 1916 AND 1918—Continued.

MANUFACTURING—Continued.

State and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—												
						Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 9 cts.	9 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 cts. and over.
WEAVERS: Male—Concluded.																								
North Carolina:																								
21 establishments...	1916	1,283	67.0	30.167	110.09						1,286				75	143	303	322	265	139	12	2		
	1918	1,099	53.8	.251	15.03	7					1,092				7	11	30	59	65	364	376	182	5	
Pennsylvania:																								
2 establishments...	1916	73	53.8	.187	10.09			3	67						6	4	7	13	13	24	2	1		
	1918	53	53.4	.222	11.87	4			55							2	5	3	7	25	12	5		
Rhode Island:																								
3 establishments...	1916	599	54.0	.245	13.24				599						5	16	20	35	45	182	192	102	2	
	1918	537	53.9	.359	19.38	3			554						4	3	7	4	10	30	61	271	167	
South Carolina:																								
16 establishments...	1916	1,360	59.9	.153	9.19				14		1,346				193	275	363	276	151	96	6			
	1918	999	59.9	.212	13.83	11					985	3	1	1	2	5	3	48	82	111	385	214	112	8
Total:																								
100 establishments...	1916	10,279	56.7	.295	11.54	19		3	5,621	674	3,959	3	2		4	457	891	1,173	1,271	1,281	3,014	1,805	452	19
	1918	8,250	56.2	.302	16.81	52			5,151	22	3,019	6	3	3	5	33	90	153	283	365	1,454	1,797	3,008	1,056

South Carolina:																									
18 establishments...	1916	432	60.0	.090	4.82					432		203	45	34	97	83	16	2		2					
	1918	2-3	59.2	.145	8.60	15				288		9	3	2	38	98	56	32	16	27		2			
Other States:																									
1 establishment.....	1916	109	54.0	.147	7.94			109				1	4			56	17	21	3	1	6				
	1918	94	54.0	.200	10.81			84						3			44	2	2	37	2	6		6	
Total:																									
101 establishments..	1916	5,913	55.7	.140	7.82	152	5	4,070	303	1,355	28	741	211	278	677	1,018	972	551	882	468	67	8	15		
	1918	6,349	54.4	.224	12.06	665	14	4,328		1,314	9	104	54	75	325	435	479	5-3	776	1,932	1,123	468	36		

All States	Piece	7	15	60.0	.178	1.67					15			1	4	1	6	3										
	Time	103	704	56.0	.209	14.93	4			476	211	13		1	4	22	58	52	32	234	175	24						
	Total	108	719	56.1	.207	14.84	4			476	226	13		1	5	26	59	58	135	234	175	24						

DRAWING-FRAME TENDERS: Male.

Alabama	Piece	1	1	60.0	\$0.266	\$15.96					1																	
	Time	4	14	60.3	.155	9.38					12	2				5	3	4	2			1						
	Total	4	15	60.3	.163	9.81					13	2				5	3	4	2			1						
Georgia	Piece	2	14	60.0	.183	10.97					14						1	2	5	3	2	1						
	Time	10	61	60.0	.159	9.56					61					5	12	21	9	4	10							
	Total	11	75	60.0	.164	9.82					75					5	13	23	14	7	12	1						
Maine	Piece	1	1	54.0	.203	10.98				1																		
	Time	3	11	53.2	.256	13.60	1			10									1		1							
	Total	3	12	53.3	.251	13.38	1			11									1		4	6	1					
Massachusetts	Piece	1	5	54.0	.253	13.68				5										1	2	2						
	Time	12	72	54.4	.248	13.52	3			64		5							4	5	34	20	9					
	Total	13	77	54.4	.247	13.44	3			69		5							4	6	36	22	9					
New Hampshire	Piece	1	1	54.0	.344	18.58				1																		
	Time	2	18	54.0	.256	13.84				18												9	8	1				
	Total	3	19	54.0	.281	14.09				19												9	8	2				
North Carolina	Piece	6	46	60.0	.225	13.47					46			1	3	2	3	5	19	8								
	Time	19	77	60.1	.194	11.66	1				75	1			2	15	14	10	35	1	5							
	Total	22	123	60.0	.206	12.34	1				121	1		1	5	17	17	15	54	9	5							
Rhode Island	Time	3	16	49.5	.276	13.75	8			8												3	11	1	1			
South Carolina	Piece	4	29	60.0	.187	11.24					29				1	4	4											
	Time	16	110	56.7	.155	8.87	25				85			1	5	11	31	18	23	4	14	2	1					
	Total	20	139	57.4	.162	9.37	25				114			1	5	12	35	22	27	9	22	5	1					
Other States	Time	5	39	54.2	.223	12.10	1			38						2	16	1	10	3	7							
All States	Piece	16	97	59.6	.210	12.51				7					2	8	8	12	14	32	15	6						
	Time	74	418	56.8	.197	11.08	39			138					5	16	50	59	71	28	118	51	20	1				
	Total	84	415	57.3	.199	11.37	39			145					5	18	58	67	83	40	150	66	26	1				

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

State.	Piece workers or time workers.	Number of establishments.	Number of employ-ees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—							Employees whose earnings per hour were—														
							Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 60 cts.	50 and under 60 cts.	60 cts. and over.		
DRAWING-FRAME TENDERS: Female.																												
Alabama.....	Time..	7	80	59.8	\$0.143	\$8.57	1							79				1	11	24	24	18	1	1				
Georgia.....	Pieces.	1	12	60.0	.146	8.78								12						2	9			1				
	Time..	7	48	60.0	.142	8.52								48					1	7	14	18	6			1	1	
	Total..	8	60	60.0	.143	8.57								60					1	7	16	27	6	1		1	1	
Maine.....	Time..	4	101	53.2	.209	11.16	9			92											2	2	47	6	19	29		
Massachusetts.....	Time..	17	277	53.7	.226	12.17	8			269														10	186	63	4	
New Hampshire.....	Pieces.	2	75	53.7	.253	13.54	3			72														5	34	27	9	
	Time..	5	110	54.0	.223	12.04				110														5	3	88	12	2
	Total..	5	185	53.9	.235	12.65	3			182														5	8	122	39	11
Other States.....	Time..	14	115	54.0	.208	11.20	9			98				8						1	1	20	9	20	36	26	2	
All States.....	Pieces.	3	87	54.5	.238	12.88	3			72				12						2	9			6	34	27	9	
	Time..	54	731	54.8	.203	11.22	27			569				135						2	19	41	64	85	40	340	131	9
	Total..	55	818	54.8	.203	11.40	33			641				147						2	19	43	73	85	46	374	158	18

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

State.	Piece workers or time workers.	Number of establishments.	Number of employes.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—					Employees whose earnings per hour were—																					
							Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.							
SLUBBER TENDERS: Female.																																	
Massachusetts.....	Piece..	5	22	54.0	\$0.289	\$15.60					22											1	1	1	1	3	6	12					
	Time..	2	3	54.0	.224	12.12					3																						
	Total..	6	25	54.0	.281	15.18					25											1	1	1	4	6	12						
Pennsylvania.....	Piece..	4	11	54.0	.226	12.22					11														3	4	4						
	Time..	3	15	54.0	.186	10.07					15											5	7	3	3								
	Total..	4	26	54.0	.203	10.98					26											5	10	7	4								
Other States.....	Piece..	7	23	54.4	.291	15.76					22		1									1				7	9	3	3				
All States.....	Piece..	16	56	54.2	.277	15.00					55		1									2	1	4	12	19	15	3					
	Time..	5	18	54.0	.193	10.41					18											5	7	6	6	19	15	3					
	Total..	17	74	54.1	.257	13.89					73		1									2	6	11	18	19	15	3					
SPEEDER TENDERS: Male.																																	
Alabama.....	Piece..	7	107	60.0	\$0.208	\$12.24															107			2	4	6	6	7	13	48	16	5	
	Time..	1	7	60.0	.158	9.50					7														4	3	4	3	4	8	16	5	
	Total..	7	114	60.0	.205	12.08					114													2	4	6	10	10	13	48	16	5	
Georgia.....	Piece..	12	215	60.0	.231	13.83						215										1			4	3	7	22	101	74	3		
	Time..	2	10	60.0	.191	11.48					10													1		3	7	8	1	1	1	3	

Massachusetts.....	Total..	12	225	60.0	.229	13.73					225		1													
	Piece..	17	159	54.0	.358	19.33					158											2	18	112	80	
	Time..	5	45	53.8	.805	16.43	1			44											3	21	14	7		
	Total..	19	203	54.0	.346	18.69	1			202											6	34	126	87		
North Carolina.....	Piece..	21	327	60.1	.253	15.21				325		2		2	1	10					20	126	128	89	1	
	Time..	2	18	60.0	.175	10.51				18					4	9					1	4	1			
	Total..	22	345	60.0	.249	14.97				343		2		2	5	19					21	130	128	89	1	
South Carolina.....	Piece..	20	339	60.1	.220	13.23				336		1	2	4	3	10	31	48			169	67	18	2		
Other States.....	Piece..	18	236	54.1	.342	18.49				236											1	6	45	150	32	2
	Time..	2	16	54.9	.358	19.63				16												1	13	2		
	Total..	18	252	54.2	.343	18.57				252											1	6	46	163	84	2
All States.....	Piece..	95	1,382	58.3	.265	15.31				394		3	5	8	16	20	55	104	452	333	822	65	2			
	Time..	12	98	58.2	.267	14.83	1			60					8	13	9	7	23	27		9				
	Total..	98	1,478	58.2	.265	15.28	1			454		3	5	8	16	28	68	113	459	350	849	74	2			

SPEEDER TENDERS: Female.

Alabama.....	Piece..	7	115	60.0	\$0.179	\$10.75					115		2	5	2	12	17	15	22	36	4				
	Time..	2	9	62.0	.152	9.42					1	8					8	1				4			
	Total..	8	124	60.2	.177	10.65				116	8	2	5	2	12	25	16	22			36	4			
Connecticut.....	Piece..	4	148	55.0	.274	15.08				148											81	88	29		
	Time..	1	9	55.0	.329	18.10				9												9			
	Total..	4	157	55.0	.277	15.25				157											81	88	89		
Georgia.....	Piece..	11	110	60.0	.199	11.95				110			2		4	13	16	18			42	13	2		
	Time..	1	3	60.0	.110	6.60				3															
	Total..	11	113	60.0	.197	11.81				113			2	3	4	13	16	18			42	13	2		
Maine.....	Piece..	5	339	54.0	.296	15.96	1			338				1	8	1	4	9			38	70	194	8	
Massachusetts.....	Piece..	20	1,194	54.0	.292	15.77	1			1,193				2	1	2	8	4			174	557	421	29	1
	Time..	7	31	53.7	.247	13.25	1			20								1			15	14	1		
	Total..	20	1,225	54.0	.291	15.70	2			1,223				2	1	2	4	4			189	571	422	29	1

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

State.	Piece workers or time workers.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—																	
							Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.				
New Hampshire.....	Piece..	5	578	54.0	\$0.303	\$16.38				578												2	7	47	231	280	11			
	Time..	1	9	54.0	.239	12.92				9																				
	Total..	5	587	54.0	.302	16.33				587												2	7	53	233	281	11			
New York.....	Piece..	2	135	54.0	.287	14.42				135											1		2	22	101	7	2			
	Time..	1	3	54.0	.209	12.53																								
North Carolina.....	Piece..	17	72	60.0	.299	12.53					72				1		1	2	6	7	12	32	9	2						
	Time..	2	3	60.0	.202	12.14					3											1	2							
	Total..	19	75	60.0	.299	12.52					75				1		1	2	6	7	13	34	9	2						
Rhode Island.....	Piece..	3	195	54.0	.305	16.47	1			194							1	4	2	2	3	9	72	89	13					
South Carolina.....	Piece..	18	186	60.0	.200	11.98					186							1	3	12	38	44	73	12	3					
	Time..	1	2	46.0	.137	6.30	2													2										
	Total..	18	188	59.8	.199	11.40	2				186							1	5	12	38	44	73	12	3					
Other States.....	Piece..	4	59	54.0	.231	12.49				59									1		1	9	7	18	20	3				
	Time..	3	17	54.0	.195	10.58				17												2	12	3						
	Total..	5	76	54.0	.223	12.06				76										1		1	11	19	21	20	3			
All States.....	Piece..	96	3,131	55.0	.277	15.17	3			2,645		483		3	7	9	34	55	96	128	622	1,183	1,030	63	1					
	Time..	18	83	55.1	.225	12.93	3			65		7		8		3	2	8	4	13	26	16	11							
	Total..	100	3,214	55.0	.277	15.10	6			2,710		490		8	3	7	12	36	63	100	141	549	1,199	1,041	63	1				

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

State.	Piece workers or time workers.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—														
							Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.	
SPINNERS, FRAME: Female.																											
Alabama.....	Time..	8	501	59.0	\$0.169	\$10.00	39				3	440	19	14	15	56	61	75	65	65	124	25					
Connecticut.....	Time..	4	173	54.4	.264	14.34	11			162								1	1	7	6	40	83	1	25		
Georgia.....	Piece..	1	119	58.9	.161	9.49	9					110			4	8	21	21	32	22	10	1					
	Time..	11	620	59.9	.171	10.26	10					589	21	5	16	40	95	94	99	116	141	14					
	Total	12	739	59.8	.170	10.14	19					699	21	5	20	48	116	115	131	138	151	15					
Maine.....	Time..	5	586	53.8	.290	15.57	16			570							1	2	15	23	110	166	261	8			
Massachusetts.....	Piece..	2	92	54.0	.326	17.61				92																	
	Time..	20	1,730	53.7	.274	14.70	64			1,666						5	8	13	18	36	363	840	444	10			
	Total	20	1,822	53.7	.277	14.84	64			1,758						5	8	13	17	36	365	865	507	11			
New Hampshire.....	Piece..	2	306	54.0	.293	15.82				306								1	3	5	38	120	139				
	Time..	3	962	53.8	.275	14.79	8			954						1	1	5	11	21	124	608	172	18	1		
	Total	5	1,268	53.9	.279	15.04	8			1,260						1	1	6	14	26	162	728	311	18	1		
New York.....	Time..	2	209	54.0	.266	14.39				209						2	1	1	7	4	46	115	33				
North Carolina.....	Time..	22	844	58.5	.186	10.88	88					756				26	86	126	136	169	262	33	6				
Pennsylvania.....	Piece..	2	37	54.0	.194	10.46				37									7	7	8	13	2				
	Time..	3	96	52.7	.180	9.48	14			82					1		1	24	23	24	24						
	Total	4	133	53.0	.184	9.75	14			119					1		1	31	29	32	37	2					

Rhode Island.....	Time..	8	272	53.8	.303	16.32	7	265							2	1	7	7	26	90	120	17	2	
South Carolina.....	Time..	20	1,205	59.6	.168	9.78	150			1,055		15	33	65	142	235	267	208	212	24	4			
All States.....	Piece..	7	554	56.1	.263	14.40	9	435							8	21	29	43	35	63	148	202	1	
	Time..	101	7,198	55.9	.230	12.77	407	3,908	3	2,840	40	34	65	195	394	577	652	679	1,472	1,998	1,076	58	3	
	Total..	105	7,752	55.9	.233	12.89	416	4,343	3	2,950	40	34	69	203	415	606	695	714	1,535	2,146	1,278	54	3	

DOFFERS: Male.

Alabama.....	Piece..	1	54	60.0	\$0.188	\$11.31				54		2	3	1	2	5	12	6	16	6	1		
	Time..	8	228	58.5	.189	11.08	27			184	16		20	19	17	33	22	17	36	52	12		
	Total..	8	282	58.8	.189	11.11	27			238	16	2	23	20	19	38	34	23	52	58	13		
Connecticut.....	Piece..	1	6	53.3	.269	14.36	1	5											1		5		
	Time..	4	67	51.3	.246	12.60	25	42						3					10	25	19	10	
	Total..	4	73	51.4	.248	12.74	26	47						3					11	25	24	10	
Georgia.....	Piece..	4	102	69.9	.211	12.63	1		101				2	9	6	9	8	16	40	16	5		
	Time..	10	283	59.6	.214	12.76	12		257	14			1	2	17	16	26	57	106	87	21		
	Total..	12	385	59.7	.213	12.73	13		358	14			3	2	23	25	34	73	146	53	26		
Maine.....	Time..	4	128	53.8	.270	14.54	2	126									4		26	76	23		
Massachusetts.....	Piece..	6	130	52.0	.296	15.49	29	101								1	2	3	41	31	35	17	
	Time..	17	325	53.0	.271	14.35	39	286								1	4	16	78	160	55	11	
	Total..	20	455	52.7	.278	14.68	68	387								2	6	19	119	191	90	28	
New Hampshire.....	Piece..	2	155	52.9	.300	15.86	7	148										2	7	71	75		
	Time..	2	130	54.0	.302	16.32		130								2	2	4	18	39	57	6	2
	Total..	4	285	53.4	.301	16.07	7	278								2	2	6	25	110	132	6	2
New York.....	Time..	2	77	54.4	.288	15.68		72		5										11	33	33	
North Carolina.....	Piece..	6	194	59.2	.213	12.61	11		183				3	4	16	19	37	83	23	9			
	Time..	19	309	54.9	.177	9.74	107		202				6	13	63	86	71	65	5				
	Total..	22	503	56.6	.191	10.84	118		385				9	17	79	105	103	148	28	9			
Rhode Island.....	Piece..	1	28	54.0	.381	20.58		28									2		1	7	3	10	10
	Time..	2	73	53.6	.321	17.16	4	74								1	3		1	7	25	30	8
	Total..	3	106	53.7	.337	18.07	4	102								1	3	2	1	8	28	40	18

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

State.	Piece workers or time workers.	Number of establishments.	Number of employ-ees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—													
							Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.
DOFFERS: Male—Concluded.																										
South Carolina.....	Piece..	12	309	58.4	\$0.194	\$11.30	31					278		3		6	21	44	60	50	91	30	4			
	Time..	12	242	57.8	.181	10.45	36					206		1	2	31	29	54	51	67	67	7				
	Total..	20	551	58.1	.188	10.92	67				484		3	1	8	52	73	114	101	158	37	4				
Other States.....	Total..	8	12	53.2	.149	7.93	1			11						4	5	2	1							
All States.....	Piece..	33	978	56.9	.235	13.26	80			282		616		5	5	10	33	75	103	115	279	185	139	27	2	
	Time..	83	1,879	55.7	.229	12.67	253			741		854		22	32	32	83	152	200	228	439	453	240	25	5	
	Total..	102	2,857	56.1	.231	12.87	333			1,023		1,470		5	27	42	116	227	303	343	718	638	379	52	7	
DOFFERS: Female.																										
Maine.....	Time..	5	203	53.2	\$0.253	\$13.51	17			186						1		26	13	42	82	39				
Massachusetts.....	Piece..	3	131	50.3	.244	12.31	55			76							3	6	30	34	6	2				
	Time..	8	148	52.4	.266	13.99	28			122						1	2	4	1	23	104	12	1			
	Total..	10	279	51.4	.256	13.20	81			198							1	2	7	7	103	138	18	3		
New Hampshire.....	Piece..	1	113	54.0	.300	16.21				113							1		1	6	67	30	8	1		
	Time..	2	58	54.0	.221	11.96				58							1	21	1	15	20					
	Total..	3	171	54.0	.273	14.77				171							1	22	1	21	87	30	8	1		

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

State.	Piece workers or time workers.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—									
							Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.

SPOOLER TENDERS: Female—Concluded.

North Carolina.....	Piece..	22	474	59.6	\$0.168	\$10.00	12			4			458						1	33	80	106	93	70	73	17	1					
	Time..	1	1	60.0	.150	9.00							1																			
	Total..	22	475	59.6	.168	10.00	12		4			459						1	33	80	107	93	70	73	17	1						
Pennsylvania.....	Piece..	2	31	64.4	.178	9.67	1			80									1	1	1	4	2	4	7	11						
	Time..	3	34	64.0	.155	8.37			34												1	25	6	1		1						
	Total..	4	65	64.2	.166	8.99	1		64									1	1	1	5	27	10	8	11	1						
Rhode Island.....	Piece..	2	58	53.7	.218	11.72	2			58												1	8	8	25	16						
	Time..	1	50	64.0	.259	13.96			50																18	25	7					
	Total..	3	108	53.8	.237	12.76	2		108													1	8	8	43	41	7					
South Carolina.....	Piece..	19	552	58.6	.149	8.72	46						506						15	22	91	116	114	89	40	47	6	3				
	Time..	2	6	60.0	.152	9.12							6									5	1									
	Total..	20	558	58.6	.149	8.73	46						512						15	22	91	116	119	90	49	47	6	3				
All States.....	Piece..	96	3,494	56.3	.207	11.50	136		33	1,797		1	1,518		9	29	72	198	327	383	390	325	788	614	363		5					
	Time..	18	265	55.3	.198	10.85	16			169			80								15	12	61	31	9	81	49	7				
	Total..	106	3,759	56.2	.207	11.46	152		33	1,966		1	1,598		9	29	72	213	339	444	421	334	809	663	370	5						

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

State.	Piece workers or time workers.	Number of establishments.	Number of employes.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—							Employees whose earnings per hour were—																								
							Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.												
WARPERS: Female—Concluded.																																						
North Carolina.....	Piece..	2	6	60.0	\$0.216	\$12.04					6												1	1	2	2												
	Time..	6	12	60.0	.188	11.26					12												5	5	1	1												
	Total..	8	18	60.0	.197	11.82					18												6	6	3	3												
Rhode Island.....	Piece..	3	24	54.0	.301	16.27				24															1	3	11	7	2									
South Carolina.....	Piece..	10	28	60.0	.214	12.84				28						1	2	0	8	6	1																	
	Time..	6	17	60.0	.172	10.36				17				2	1	8	6																					
	Total..	16	45	60.0	.198	11.90				45				2	2	11	15	8	6	1																		
Other States.....	Piece..	3	16	54.0	.266	14.34				16																5	9	2										
	Time..	1	6	54.0	.184	5.37				6					1	5																						
	Total..	4	22	54.0	.238	11.90				22						1	5									5	9	2										
All States.....	Piece..	51	405	55.1	.274	15.02			1	6	321			75	2										1	2	16	24	87	135	125	11						
	Time..	39	190	55.9	.227	12.45				133	1		56	3	3	4	7	30	23	54	58	15																
	Total..	82	595	55.4	.259	14.20			1	6	454			131	2											1	5	11	46	47	141	193	140	11				

BEAMER TENDERS: Male.

Massachusetts.....	Piece..	6	135	54.0	\$0.481	\$25.97													1	5	90	39
	Time..	5	23	54.0	.445	24.00													2	20	20	1
	Total..	9	158	54.0	.476	25.68													1	7	110	40
North Carolina.....	Piece..	6	72	60.2	.323	19.39													1	1	9	22
	Time..	8	15	60.0	.195	14.08				71	1								1	1	4	9
	Total..	7	87	60.1	.300	18.47				86	1								1	2	13	31
Other States.....	Piece..	8	21	58.8	.323	18.89				5										2	7	7
	Time..	5	14	54.7	.361	19.71				13										1		8
	Total..	8	35	57.2	.338	19.21				18										1	2	7
All States.....	Piece..	15	228	56.4	.416	23.24				140										1	1	11
	Time..	13	52	55.9	.350	19.88				36										1	2	4
	Total..	24	280	56.3	.404	22.63				176										1	3	15

BEAMER TENDERS: Female.

All States.....	Piece..	7	113	54.1	\$0.315	\$17.06														2	3	18	21	56	13
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SLASHER TENDERS: Male.

Alabama.....	Time..	8	34	60.1	\$0.212	\$11.41																			
Georgia.....	Time..	11	62	60.0	.236	14.25				33	1														
Maine.....	Time..	5	44	54.0	.374	20.17				44															
Massachusetts.....	Time..	20	158	54.0	.415	21.86				158															
New Hampshire.....	Piece..	1	68	54.0	.488	26.26				68												1	7	33	21
	Time..	4	40	54.0	.404	21.83				40													33	5	2
	Total..	5	108	54.0	.456	24.62				108													1	40	38
North Carolina.....	Piece..	1	1	60.0	.275	16.50																			
	Time..	19	63	60.2	.244	14.71				1	1														
	Total..	20	64	60.2	.245	14.74				63	1														
South Carolina.....	Time..	19	81	60.0	.206	12.35				81															

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

State.	Piece workers or time workers.	Number of establishments.	Number of employ-ees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—							Employees whose earnings per hour were—												
							Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.
SLASHER TENDERS: Male—Concluded.																										
Other States.....	Piece..	1	1	55.0	\$0.427	\$23.49			1																	
	Time..	11	56	54.8	.376	20.57			54																	
	Total..	11	57	54.8	.377	20.62			55																	
All States.....	Piece..	3	70	54.1	.483	26.09			69		1															
	Time..	97	538	56.8	.322	17.78			296		238					11	22	32	107	62	166	129	21	9		6
	Total..	99	608	56.5	.340	18.73			365		239					11	22	32	107	64	173	163	30			6
DRAWERS-IN: Female.																										
Alabama.....	Piece..	3	21	60.0	\$0.164	\$9.83					21															
	Time..	4	9	60.8	.168	9.60					6					1	1	1	8	4	2	4				
	Total..	7	30	60.2	.162	9.76					27					1	1	2	13	6	3	4				
Connecticut.....	Piece..	3	33	54.4	.342	18.73		2												2		3	5	15	7	1
	Time..	1	10	55.0	.271	14.92			31											1	1	3	3	8		
	Total..	4	43	54.5	.326	17.84		2												2	1	6	8	18	7	1
Georgia.....	Piece..	4	28	60.0	.172	10.30					28					5	2	7	3	6	2	3				
	Time..	7	24	60.0	.165	9.90					24						8	4	3	4	4	1				
	Total..	11	52	60.0	.169	10.12					52						5	10	11	6	10	6	4			

Maine.....	Piece..	3	44	54.0	.322	17.41													2	1	1	15	16	9							
	Time..	2	13	54.0	.257	13.89			44										13		5	8									
	Total..	5	57	54.0	.308	16.61			57										2	1	6	23	16	9							
Massachusetts.....	Piece..	16	269	53.7	.303	16.29			7	8									2	3	9	8	51	66	88	42					
	Time..	9	15	53.4	.293	15.73			1												3	4	8	4	8						
	Total..	19	284	53.7	.303	16.26			8	8									2	3	9	8	54	70	96	42					
New Hampshire.....	Piece..	5	175	54.0	.313	16.82															6	5	21	45	79	17	2				
	Time..	2	3	54.0	.242	13.07																	2	1							
	Total..	5	178	54.0	.312	16.85															6	5	23	46	79	17	2				
North Carolina.....	Piece..	7	20	60.0	.214	12.86																									
	Time..	7	17	60.0	.184	11.04								20		1					2	2	4	7	2	2					
	Total..	13	37	60.0	.200	12.01								37		1					3	4	7	3							
Pennsylvania.....	Piece..	1	10	54.0	.221	11.94																									
	Time..	3	6	54.0	.186	10.04																									
	Total..	8	15	54.0	.209	11.31																									
Rhode Island.....	Piece..	3	51	54.0	.280	15.16																									
South Carolina.....	Piece..	10	50	59.4	.184	10.96																									
	Time..	9	27	60.0	.165	9.88								48		1	5	5	8	12	8	3	4	3	1						
	Total..	19	77	59.6	.178	10.58								75		1	5	6	19	23	11	4	4	3	1						
Other States.....	Piece..	1	8	54.0	.315	16.99																									
	Time..	1	2	54.0	.197	10.61																									
	Total..	2	10	54.0	.291	15.72																									
All States.....	Piece..	56	709	54.9	.286	15.59			11	8																					
	Time..	45	125	57.7	.203	11.64			1																						
	Total..	91	834	55.3	.273	15.00			12	8				10					3	1	2	13	21	53	64	55	133	175	232	82	3

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

State.	Piece workers or time workers.	Number of establishments.	Number of employes.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—																		
							Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	Under 8 cts.	8 and under 10 cts.	10 and under 12 cts.	12 and under 14 cts.	14 and under 15 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 and under 60 cts.	60 cts. and over.					
WEAVERS: Male—Concluded.																															
Rhode Island.....	Piece..	3	554	53.9	\$0.360	\$19.42	3			551										4	3	6	4	9	30	60	271	147	16	4	
	Time..	1	3	54.0	.210	11.32			3																						
	Total..	3	557	53.9	.359	19.38	3			554										4	3	7	4	10	30	61	271	147	18	4	
South Carolina.....	Piece..	19	987	59.9	.234	14.01	13					971	8	1	3	5	22	43	64	114	399	217	111	8							
	Time..	5	60	59.8	.168	10.04	1					59									1	9	13	22	5	9		1			
	Total..	19	1,047	59.9	.230	13.78	14					1,030	8	1	3	6	31	56	86	119	408	217	112	8							
Pennsylvania.....	Piece..	4	62	53.4	.226	12.09	4			58										2	5	3	7	25	14	6					
All States.....	Piece..	103	7,942	56.2	.304	16.92	48			4,985	22	2,881	6	3	8	32	61	126	232	343	1,410	1,751	2,958	911	94	13					
	Time..	38	359	56.6	.242	13.55	9			1,67		183				2	20	35	55	30	67	51	51	38							
	Total..	103	8,301	56.2	.301	16.78	57			5,152	22	3,064	6	3	8	34	91	161	287	373	1,477	1,802	3,009	949	94	13					

WEAVERS: Female.

Alabama.....	Piece..	8	378	60.3	\$0.201	\$12.13						333	45	2	3	20	32	37	49	46	117	51	20	1							
	Time..	5	93	60.0	.142	8.56						93		1	1	10	32	28	12	9											
	Total..	8	471	60.2	.190	11.42						426	45	3	4	30	64	65	61	55	117	51	20	1							

Connecticut.....	Piece..	4	374	54.9	.304	16.67	5			309										1	2	4	7	6	70	86	180	15	1	2		
	Time..	1	1	55.0	.323	17.77				1																	1					
	Total..	4	375	54.9	.304	16.67	5			309										1	2	4	7	6	70	86	181	15	1	2		
Georgia.....	Piece..	12	557	59.9	.189	11.31	4						553		1	6	19	52	75	65	10	97	183	14	54	5						
	Time..	7	72	59.4	.177	10.50	3						69														3					
	Total..	12	629	59.9	.187	11.22	7						622		1	6	21	62	91	75	114	197	57	5								
Maine.....	Piece..	5	611	53.9	.336	18.17	4			607												2	4	56	125	816	101	7				
	Time..	2	49	54.0	.395	21.36				49																1	6	39				
	Total..	5	660	53.9	.341	18.41	4			656												2	4	57	128	322	140	7				
Massachusetts.....	Piece..	20	3,705	53.9	.303	18.35	44			3,661						2	3	13	15	44	71	465	1,305	1,895	193	8	1					
	Time..	9	80	53.9	.294	15.82	1			79						1						10	32	87								
	Total..	20	3,785	53.9	.303	18.34	45			3,740						2	4	13	15	44	71	475	1,237	1,722	193	8	1					
New Hampshire.....	Piece..	5	2,526	54.0	.325	17.31				2,526						1		1	5	20	53	232	593	1,394	212	12	3					
	Time..	2	55	54.0	.212	11.43				65									1		2	50	2									
	Total..	5	2,581	54.0	.319	17.18				2,581						1		1	6	20	55	232	595	1,394	212	12	3					
New York.....	Piece..	2	183	54.0	.299	16.12				183									1	1	3	24	58	96								
	Time..	21	738	59.8	.225	13.43	12				726					2	12	51	62	103	292	174	42									
	Total..	21	779	59.6	.221	13.21	20			759						2	22	68	66	108	293	177	43									
Pennsylvania.....	Piece..	4	236	54.0	.216	11.19	1			235							2	4	25	34	45	70	32	23	1							
	Time..	1	1	54.0	.160	8.64				1										1												
	Total..	4	237	54.0	.215	11.18	1			236							2	4	25	35	45	70	32	23	1							
Rhode Island.....	Piece..	3	585	53.9	.333	17.95	7			578						4	5	7	8	6	12	52	78	288	117	8						
	Time..	1	6	54.0	.307	16.56				6													2	4								
	Total..	3	591	53.9	.333	17.78	7			584						4	5	7	8	6	12	52	80	292	117	8						
South Carolina.....	Piece..	19	624	59.4	.204	12.10	22						602		1	3	8	22	47	98	117	254	62	11	1							
	Time..	4	78	59.8	.159	9.53	1						77		3	3	7	27	27	27	5	5	1									
	Total..	19	702	59.4	.197	11.81	23						679		1	6	11	29	74	125	122	259	63	11	1							
All States.....	Piece..	103	10,517	55.2	.288	15.79	99			8,159			2,214		45	4	20	59	145	268	388	587	1,815	2,518	4,060	641	36	6				
	Time..	41	476	57.2	.214	11.89	13			191			272		1	5	15	59	89	54	38	83	48	39								
	Total..	103	10,993	55.4	.285	15.62	112			8,350			2,486		45	5	25	74	204	357	442	595	1,898	2,566	4,105	680	36	6				

TABLE C.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

State.	Piece workers or time workers.	Number of establishments.	Number of employ-ees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—																											
							Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.														
TRIMMERS OR INSPECTORS: Female.																																								
Alabama.....	Time..	8	81	60.2	\$0.139	\$8.36																																		
Connecticut.....	Time..	4	43	54.8	.200	10.98	1			42					75	0				6	30	37	5	3	24	19														
Georgia.....	Piece..	3	27	60.0	.153	9.20									27						1	4	13																	
	Time..	9	53	60.0	.127	7.61									53						10	37	6	6	2	1														
	Total..	11	80	60.0	.136	8.17									80						11	41	19	6	2	1														
Maine.....	Time..	5	190	54.0	.187	10.08				190													46	109	35															
Massachusetts.....	Piece..	3	24	54.0	.254	13.72				24														1	13	5	3	2												
	Time..	19	323	53.6	.204	11.16	14			309													68	93	137	25														
	Total..	20	347	53.6	.208	11.34	14			333													68	94	150	30	3	2												
New Hampshire.....	Piece..	1	6	54.0	.283	15.30				6																6	15													
	Time..	5	112	54.0	.233	12.64				112															6	91														
	Total..	5	118	54.0	.236	12.82				118															6	91	21													
North Carolina.....	Time..	11	54	59.2	.142	8.42	3			51															16	9	17	5	6	1										
Rhode Island.....	Piece..	1	14	54.0	.255	13.78				14																		5	8	1										
	Time..	3	63	54.0	.230	12.44				63																	1	60	2											
	Total..	3	77	54.0	.235	12.68				77																	1	65	10	1										
South Carolina.....	Piece..	1	10	60.0	.141	6.44									10											1	2	7												
	Time..	10	145	58.7	.133	7.86	13								132											8	39	32	51	12										

	Total..	16	155	58.8	.134	7.77	13													142		8	40	34	58	12								3						
Other States.....	Time..	4	30	64.0	.185	9.99														30																				
All States.....	Piece..	9	81	50.7	.209	11.44				44										44			2	6	20	6	3	25	13	4	2									
	Time..	84	1,094	55.7	.184	10.21	31			746										746			8	71	108	118	138	252	354	45										
	Total..	87	1,175	55.6	.186	10.29	31			790										790			8	73	114	138	144	255	379	58	4	2								

OTHER EMPLOYEES: Male.

Alabama.....	Piece..	6	61	58.4	\$0.192	\$11.20	7													54			1	3	3	11	14	6	14	5	4								
	Time..	8	1,802	60.2	.196	11.82	57			12	1,608	125	14	14	37	185	507	285	158	14	125	14	15	40	189	518	299	104	308	132	130	20	16	19					
	Total..	8	1,863	60.2	.195	11.80	64			12	1,662	125	14	15	40	189	518	299	104	308	132	130	20	16	19														
Connecticut.....	Piece..	2	8	55.0	.285	15.68						8								8																			
	Time..	4	715	55.1	.299	16.46	58					628								8						1	2	6	21	258	104	149	87	24	3				
	Total..	4	723	55.1	.299	16.45	58					636								8						1	2	6	21	259	108	152	87	24	3				
Georgia.....	Piece..	9	65	55.9	.183	10.39	18													47			2	5	10	5	11	16	4	4									
	Time..	12	2,214	60.3	.199	12.04	40					2,103								2,103			12	10	69	288	521	302	258	415	150	130	34	10	14				
	Total..	12	2,279	60.2	.198	11.99	58					2,150								2,150			14	14	74	298	525	307	264	431	170	134	34	10	14				
Maine.....	Piece..	2	48	53.6	.256	13.74	2					46								46						3	1		10	4	15	1							
	Time..	5	1,751	54.3	.307	16.64	96	1				1,590								1,590							1	7	45	433	509	512	178	53	13				
	Total..	5	1,799	54.3	.305	16.57	98	1				1,636								1,636						3	1	1	7	69	443	513	527	179	53	13			
Massachusetts.....	Piece..	16	138	52.4	.315	16.54	36					150								150			2	6	2	5	7	2	26	32	69	30	3	4					
	Time..	20	5,620	54.6	.311	16.99	466	1				4,767								4,767			4	3	15	62	107	162	1,175	1,729	1,361	715	209	78					
	Total..	20	5,808	54.5	.311	16.98	502	1				4,917								4,917			6	9	17	67	114	164	1,201	1,761	1,430	745	212	82					
New Hampshire.....	Piece..	4	277	53.5	.303	16.24	15					262								262			2	2	1	2	1	5	75	67	78	85	4	3					
	Time..	5	5,411	55.2	.331	18.25	120	2	1			4,749								4,749						1	7	24	56	711	1,997	1,450	850	203	75				
	Total..	5	5,688	55.1	.329	18.15	135	2	1			5,011								5,011			2	2	3	8	9	25	61	786	2,004	1,558	885	207	78				
New York.....	Piece..	1	2	54.0	.270	12.18						2								2																			
	Time..	2	543	55.7	.278	15.45						471								471						1	4	21	12	269	7	109	37	5	7				
	Total..	2	545	55.7	.278	15.44						473								473						1	4	21	13	269	79	109	37	5	7				
North Carolina.....	Piece..	19	100	59.7	.214	12.70	2					98								98			4	4	2	6	6	11	9	26	24	5	3						
	Time..	22	2,635	60.1	.206	12.38	74					2,441								2,441			2	11	50	156	467	461	302	682	274	164	51	24	1				
	Total..	22	2,735	60.1	.206	12.42	76					2,539								2,539			6	15	52	162	473	462	311	708	298	169	54	24	1				

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT, DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918.

MANUFACTURING.

ONE WEEK PAY ROLLS.

State.	Piece workers or time-workers.	Number of estab-lish-m'ts.	Number of employ-ees.	Average full-time hours per week of estab-lish-m'ts.	Average hours wk'd per employ-ee dur-ing one week.	Average full-time weekly earnings.	Average amount earned per employ-ee during one week.	Employees working each classified per cent of full time during one week.					Employees earning each classified amount during one week.																
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$3.	\$3 and under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$7.	\$7 and under \$8.	\$8 and under \$9.	\$9 and under \$10.	\$10 and under \$11.	\$11 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$18.	\$18 and under \$20.	\$20 and under \$25.	\$25 and over.

CARD STRIPPERS: Male.

Alabama.....	Time..	6	23	60.4	54.2	\$11.92	\$10.80	.....	1	6	2	10	4	.....	1	.....	.....	2	1	.....	3	4	4	5	3	.....	.....	.....	.....
Georgia.....	Piece..	2	3	60.0	49.0	9.80	8.03	.....	1	5	16	3	.....	7	2	1	3	4	4	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
	Time..	9	63	60.2	49.4	11.59	9.58	.....	1	5	16	14	20	7	2	1	3	4	4	4	4	4	12	10	8	5	5	.....	1	.....
	Total..	9	66	60.2	49.3	11.50	9.51	.....	1	5	16	17	20	7	2	1	3	4	4	6	4	13	10	8	5	5	.....	1	.....	.....
Maine.....	Time..	5	62	53.7	54.0	14.16	14.23	.....	3	2	4	39	14	.....	.....	2	1	.....	.....	1	.....	4	1	27	10	7	4	5	.....	.....
Massachusetts..	Time..	20	212	54.5	55.2	16.51	16.93	11	10	8	15	88	80	10	3	2	3	3	3	1	2	3	4	3	19	38	30	22	51	15	
New Hampshire	Time..	3	59	54.1	55.6	16.38	16.87	1	1	3	1	32	21	1	.....	1	.....	.....	.....	.....	.....	.....	1	1	1	28	7	8	10	1
New York.....	Time..	2	24	54.0	54.1	17.05	16.92	.....	.....	1	3	13	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	10	3	1	7	.....	.....
North Carolina	Piece..	1	6	60.0	59.0	11.13	11.01	.....	.....	.....	1	3	2	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	2	1	2	.....	.....	.....	.....
	Time..	13	34	60.0	51.5	11.53	10.05	2	.....	6	8	17	1	2	.....	1	.....	.....	3	2	2	3	2	5	5	1	1	1	.....	.....
	Total..	14	40	60.0	52.7	11.47	10.19	2	.....	6	9	20	3	2	.....	1	.....	.....	3	3	2	3	10	6	7	1	1	1	.....	.....
Rhode Island...	Time..	3	39	54.1	48.5	17.39	15.56	3	.....	3	.....	29	1	1	.....	2	.....	.....	1	.....	.....	.....	.....	2	2	9	5	11	3	.....
South Carolina	Piece..	2	3	60.0	52.7	10.08	8.97	1	1	1
	Time..	19	51	60.0	50.5	11.85	9.64	.....	4	11	14	22	.....	2	1	2	1	4	5	7	.....	6	10	1	7	1	3	1	.....	.....

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT, DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

**MANUFACTURING—Continued.
ONE WEEK PAY ROLLS—Continued.**

State.	Piece workers or time workers.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours wk'd per employees during one week.	Average full-time weekly earnings.	Average amount earned per employee during one week.	Employees working each classified per cent of full time during one week.					Employees earning each classified amount during one week.																					
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$3.	\$3 and under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$7.	\$7 and under \$8.	\$8 and under \$9.	\$9 and under \$10.	\$10 and under \$11.	\$11 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$18.	\$18 and under \$20.	\$20 and under \$25.	\$25 and over.					
DRAWING-FRAME TENDERS: Female.																																		
Connecticut	Time	3	36	53.2	52.1	\$9.99	\$9.83	1	2	1	32	2			1		7	5			6	10			7		2							
Georgia	Piece	1	12	60.0	42.9	8.78	6.27	2	5	2	3				2	1	2	4																
	Time	6	29	60.0	44.6	9.21	6.89	6	8	9	2	4			5	2	3	6	4						1									
	Total	7	41	60.0	44.1	9.08	6.71	8	13	11	5	4			7	3	5	10	4		8	2			1									
Maine	Time	4	101	53.2	49.7	11.16	10.46	1	2	6	14	78			1	2		3	3	8	1	38	9	4	21	11								
Massachusetts	Time	17	277	53.7	50.7	12.17	11.48	4	4	16	30	223			5	2	1		5	8	6	14	43	82	101	6	1	3						
New Hampshire	Piece	1	2	54.0	49.0	12.20	11.13				1																							
	Time	3	88	54.0	51.2	11.64	11.04	2	1	3	10	72			2		1		1				4	55	13									
	Total	3	90	54.0	51.2	11.65	11.04	2	1	3	11	73			2		1		1			7	5	4	55	14								
Other States	Time	13	130	57.2	47.8	10.29	8.77	7	8	25	20	68			2	9	5	5	14	13	5	14	13	11	19	13	7							
All States	Piece	2	14	59.1	43.8	9.27	6.96				3	4					2	1	2	4														
	Time	46	663	54.6	49.9	11.32	10.44	14	22	60	84	475			8	17	14	10	20	35	30	35	75	77	160	156	1	24	8	7				
	Total	47	677	54.7	49.7	11.28	10.37	14	24	65	87	479			8	17	16	11	22	39	30	36	78	77	160	157	24	3	7					

SLUBBER TENDERS: Male.

Alabama.....	Piece..	5	49	60.0	49.0	\$13.23	\$11.09	3	1	17	9	18	1	3	1	3	3	4	2	3	6	1	10	5	4	4			
	Time..	3	10	55.6	43.9	8.84	7.16		1	5	1		3	3	3	3	4	2	3	2	2	1	3	4	4				
	Total..	6	59	58.3	47.3	12.48	10.42	3	2	22	10	18	4	3	3	4	3	3	4	2	3	8	1	12	5	4	4		
Connecticut.....	Piece..	4	15	55.0	53.6	17.78	17.30			1		14											1	1	6	7			
	Time..	1	4	55.0	52.5	18.84	18.04				1	3												1	1	1	2		
	Total..	4	19	55.0	53.4	18.00	17.46			1	1	17											1	2	7	9			
Georgia.....	Piece..	8	52	60.0	45.8	14.22	11.06	2	10	9	12	13	6	2	2	4	3	3	2	1	5	1	4	8	8	5	4		
	Time..	3	14	60.0	46.0	13.47	10.26	1	2	2	4	5		1		1	1	1		1	1	1	3	4	1				
	Total..	8	66	60.0	45.8	14.06	10.89	3	12	11	16	18	6	3	2	4	4	4	3	1	6	2	7	12	9	5	4		
Maine.....	Piece..	5	86	54.0	52.7	21.00	20.56	1	1	7	5	64	8		1					1	1	1	1	3	7	8	8	41	14
Massachusetts.....	Piece..	18	141	54.0	55.0	19.70	20.18	1	4	7	17	74	38		1		2	2		1	1	2	1	2	12	23	22	44	28
	Time..	3	11	54.0	54.0	16.43	16.42					11													3	7	1		
	Total..	20	152	54.0	54.9	19.47	19.90	1	4	7	17	85	38		1		2	2		1	1	2	1	2	15	30	23	44	28
New Hampshire.....	Piece..	3	38	54.0	54.0	20.51	20.64	1			3	26	8	1												4	9	20	
	Time..	1	3	54.0	54.0	15.50	15.50					3													3				
	Total..	3	41	54.0	54.0	20.14	20.26	1			3	29	8	1											3	4	9	20	4
North Carolina.....	Piece..	10	24	60.0	56.6	14.18	13.61		2		2	18	2		1		1						1	2	7	5	6	1	
	Time..	5	7	60.0	53.9	10.46	9.45				1	2	3	1			1		1		2		1	1	1				
	Total..	14	31	60.0	56.0	13.34	12.67		2	1	4	21	3		1		2		1		2	2	3	8	5	6	1		
Rhode Island.....	Piece..	3	25	54.0	48.9	21.66	19.37		3	2		20									1	1		1	1	1		4	16
South Carolina.....	Piece..	20	103	60.0	52.0	13.68	12.08	1	5	15	34	47	1	1	1	5	3	3	5	5	3	11	7	25	17	14	1	2	
	Time..	1	2	60.0	60.0	10.74	10.73					2									1		1						
	Total..	20	105	60.0	52.2	13.63	12.05	1	5	15	34	49	1	1	1	5	3	3	5	5	4	11	8	25	17	14	1	2	
Other States.....	Piece..	2	11	54.0	53.3	15.99	15.78				1	9	1											2	5	3	1		
All States.....	Piece..	78	544	56.5	52.3	17.44	16.55	9	26	58	83	303	65	7	6	10	12	11	11	11	14	22	17	59	61	73	61	123	46
	Time..	17	51	57.1	49.9	13.22	11.80	1	3	8	8	27	4	1	3	3	2	1	2		4	4	5	7	8	8	3		
	Total..	85	595	56.6	52.1	17.07	16.14	10	29	66	91	330	69	8	9	13	14	12	13	11	18	26	22	66	69	81	64	123	46

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT, DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

**MANUFACTURING—Continued.
ONE WEEK PAY ROLLS—Continued.**

State.	Piece workers or time-workers.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours wk'd per employ-ee during one week.	Average full-time weekly earnings.	Average amount earned per employ-ee during one week.	Employees working each classified per cent of full time during one week.							Employees earning each classified amount during one week.														
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$3.	\$3 and under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$7.	\$7 and under \$8.	\$8 and under \$9.	\$9 and under \$10.	\$10 and under \$11.	\$11 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$18.	\$18 and under \$20.	\$20 and under \$25.	\$25 and over.

SLUBBER TENDERS: Female.

All States.....	Piece..	12	47	54.2	50.6	\$15.43	\$18.77	1	1	4	1	40	2	1	2	2	1	1	1	1	3	7	10	13	4	1	2
	Time..	2	3	54.0	39.3	12.12	8.90	1	1	4	1	40	2	1	2	2	1	1	1	1	3	7	10	13	4	1	2
	Total..	13	50	54.2	49.9	15.23	14.18	2	1	4	1	42	2	2	2	2	1	1	1	1	4	8	10	13	4	1	2

SPEEDER TENDERS: Male.

Alabama.....	Piece..	5	88	60.0	48.5	\$11.95	\$10.17	1	6	33	24	22	2	3	2	4	6	7	7	8	9	4	7	18	5	4	2	2
	Time..	1	7	60.0	43.6	9.50	6.96	1	1	1	1	3	1	1	1	1	1	1	1	1	3	3	7	18	5	4	2	2
	Total..	5	95	60.0	48.1	11.77	9.94	2	7	34	25	25	2	4	2	5	7	7	8	8	12	4	7	18	5	4	2	2
Georgia.....	Piece..	8	166	60.0	46.2	14.11	11.07	8	21	32	38	67	11	4	4	7	8	5	7	14	9	14	40	24	17	.....	2	.....
	Time..	2	10	60.0	51.9	11.48	9.79	1	.....	1	1	7	1	.....	.....	.....	.....	.....	.....	2	1	6	.....	.....	.....	.....	.....	.....
	Total..	8	176	60.0	46.5	13.96	11.09	9	21	33	39	74	12	4	4	7	8	5	7	16	10	20	40	24	17	.....	2	.....

SPINNERS, MULE: Male.

Connecticut....	Piece..	3	58	55.0	52.7	\$22.52	\$21.79	2	3	3	49	1	2	1	1	1	3	1	10	19	21					
	Time..	1	17	55.0	54.4	26.58	26.32	2	3	1	16	1	2	1	1	1	3	1	1	4	12					
	Total..	3	75	55.0	53.1	23.44	22.81	2	3	4	65	1	2	1	1	1	3	1	11	23	38					
Maine.....	Piece..	3	22	54.0	53.4	27.74	27.42			2	20						1			4	17					
Massachusetts..	Piece..	7	145	54.0	51.1	28.96	27.25	1	3	7	22	111	1	2		1	2		1	6	31	102				
	Time..	1	2	54.0	54.0	31.05	31.05					2									2	2				
	Total..	7	147	54.0	51.2	28.98	27.30	1	3	7	22	113	1	2		1	2		1	6	31	104				
Rhode Island...	Piece..	3	48	54.0	47.7	22.84	20.34	2	4	3	3	36	2	1	1	2	3			3	31	5				
All States.....	Piece..	16	273	54.2	51.0	26.42	24.89	3	9	13	30	216	2	2	3	2	1	1	3	3	5	3	7	48	102	93
	Time..	2	19	54.9	54.9	27.05	26.82				1	18									1	4	14			
	Total..	16	292	54.3	51.3	26.46	25.01	3	9	13	31	234	2	2	3	2	1	1	3	3	5	3	7	49	106	107

SPINNERS, FRAME: Male.

Massachusetts..	Piece..	1	51	54.0	42.9	\$18.18	\$14.84	10	4	5	2	15	15	2	8	1	3	1	1	2	4	2	11	12	4	
	Time..	12	128	53.9	46.4	15.21	13.32	5	9	17	13	82	2	6	4	3	4	4	6	4	3	5	10	15	14	17
	Total..	12	179	54.0	45.4	16.05	13.75	15	13	22	15	97	17	8	12	3	7	6	4	9	6	12	15	18	15	25
New Hampshire	Piece..	2	10	54.0	53.0	17.07	16.78				1	9									2	1	2	5		
	Time..	1	1	54.0	54.0	16.52	16.50					1											1			
	Total..	2	11	54.0	53.1	17.02	16.75				1	10									2	1	3	5		
South Carolina.	Time..	18	95	54.3	38.8	8.17	5.98	7	8	29	28	23	12	7	15	20	8	15	3	7	2	3	2	1		
Other States....	Time..	5	84	55.2	45.5	14.03	11.04	6	5	11	18	41	3	5	2	3	4	5	4	4	3	6	16	11	8	
All States.....	Piece..	8	61	54.0	44.6	18.00	15.16	10	4	5	3	24	15	2	8	1	3		1	1	2	5	4	16	12	
	Time..	46	308	56.1	43.9	12.71	10.61	18	22	57	59	147	5	23	13	21	28	16	26	11	19	10	19	31	28	
	Total..	47	369	55.8	44.0	13.69	11.36	28	26	62	62	171	20	25	21	21	29	19	26	11	20	11	21	33	33	

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South Carolina	Time..	20	1,205	59.1	44.2	9.78	7.50	79	131	232	376	386	1	120	70	97	116	122	120	149	140	80	85	89	14	2	1	
Other States	Piece..	1	30	54.6	41.8	10.47	8.43	4	8	5	7	17	.....	6	.....	3	1	1	3	8	5	4	2	6	2	.....	.....	.....	.....
All States	Piece..	6	553	55.1	47.6	14.41	12.85	18	36	67	80	352	.....	25	6	15	21	28	32	19	27	19	17	44	99	117	68	16	.....
	Time..	81	5,570	56.1	47.4	12.83	11.38	185	396	802	1050	3,112	25	255	151	202	242	329	336	384	379	329	378	785	955	582	170	91
	Total..	85	6,123	56.0	47.4	12.98	11.51	203	432	869	1130	3,464	25	280	157	217	263	357	368	403	406	348	395	829	1,064	699	238	107

DOFFERS: Male.

Alabama	Piece..	1	54	60.0	48.4	11.31	9.42	1	7	9	12	25	.....	5	2	2	2	4	4	4	9	6	.....	8	3	4	1	.....	.....	
	Time..	6	189	58.5	45.3	11.04	9.02	6	20	60	40	61	.....	2	19	10	14	10	29	15	10	5	10	19	21	9	4	8	.....	.....
	Total..	6	243	58.8	46.0	11.10	9.11	7	27	69	52	86	.....	2	24	12	16	12	33	19	14	20	11	10	27	24	13	5	3	.....	.....
Connecticut	Piece..	1	6	53.3	53.7	14.37	14.41	.....	.....	.....	2	1	3	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	3	.....	2	.....	.....	.....	.....
	Time..	4	67	51.3	48.9	12.60	12.06	2	1	2	4	51	.....	7	2	1	.....	3	.....	1	1	3	13	5	15	14	9	.....	.....	.....
	Total..	4	73	51.4	49.8	12.74	12.25	2	1	2	6	52	.....	10	2	1	.....	3	.....	1	1	3	14	5	18	14	11	.....	.....	.....	.....
Georgia	Piece..	3	88	59.8	41.2	12.76	8.96	5	15	29	19	20	.....	7	6	4	4	10	8	8	10	8	3	6	7	4	2	1	.....	.....
	Time..	6	218	59.7	45.7	13.52	10.56	20	22	41	51	76	.....	8	20	8	8	8	6	10	16	12	25	17	37	28	9	8	6	.....	.....
	Total..	8	306	59.8	44.4	13.30	10.10	25	37	70	70	96	.....	8	27	14	12	12	16	18	24	22	33	20	43	35	13	10	7	.....	.....
Maine	Time..	4	128	53.8	46.8	14.55	12.66	.....	14	14	21	78	.....	1	.....	1	1	8	4	3	3	5	6	19	24	38	11	5	.....	.....
Massachusetts	Piece..	6	130	52.5	48.1	15.49	14.41	4	6	10	17	76	.....	17	3	1	1	.....	1	4	6	9	14	7	26	16	9	12	13	.....	8
	Time..	17	325	53.0	49.1	14.35	13.38	10	17	16	27	217	.....	38	10	5	2	3	6	4	5	10	28	21	72	105	19	15	17	.....	3
	Total..	20	455	52.8	48.8	14.68	13.68	14	23	26	44	293	.....	55	13	6	3	3	7	8	11	19	42	28	98	121	28	27	30	.....	11
New Hampshire	Piece..	1	21	54.0	53.1	14.86	14.64	.....	.....	1	.....	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	3	10	5	.....	.....	.....	.....
	Time..	1	76	54.0	50.3	17.10	16.23	.....	7	6	12	35	.....	16	1	1	2	.....	2	1	.....	3	1	2	2	13	10	14	5	.....	7
	Total..	2	97	54.0	50.9	16.62	15.89	.....	7	7	12	55	.....	16	1	1	2	.....	2	1	3	2	3	3	16	20	19	5	12	.....	7
New York	Time..	2	77	54.4	49.5	15.67	14.14	6	.....	3	6	59	.....	3	1	5	.....	.....	.....	.....	.....	1	4	1	10	28	21	6	.....	.....	.....
North Carolina	Piece..	1	15	57.3	54.2	11.64	11.05	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	3	1	1	7	.....	.....	.....	.....	.....
	Time..	14	251	55.6	47.5	9.95	8.54	10	17	24	55	142	.....	3	14	6	8	15	28	28	41	27	33	16	32	3	.....	.....	.....	.....	.....
	Total..	14	266	55.6	47.5	10.05	8.68	10	17	24	62	150	3	14	6	8	15	28	28	44	30	34	17	39	3
Rhode Island	Piece..	1	28	54.0	48.4	20.58	18.36	2	.....	3	2	21	.....	.....	.....	1	.....	.....	1	1	.....	2	.....	1	1	2	1	6	5	.....	7
	Time..	2	78	53.6	47.4	17.16	14.98	1	8	8	8	55	.....	.....	.....	1	2	.....	4	4	4	2	2	2	6	22	5	9	14	.....	1
	Total..	3	106	53.7	47.7	18.07	15.88	3	8	9	10	76	.....	.....	.....	2	2	.....	5	5	4	4	2	3	7	24	6	15	19	.....	8

GENERAL TABLES.

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT, DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

ONE WEEK PAY ROLLS—Continued.

State.	Piece workers or time-workers.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours wk'd per employee during one week.	Average full-time weekly earnings.	Average amount earned per employee during one week.	Employees working each classified per cent of full time during one week.							Employees earning each classified amount during one week.												
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$3.	\$3 and under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$7.	\$7 and under \$8.	\$8 and under \$9.	\$9 and under \$10.	\$10 and under \$11.	\$11 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$18.	\$18 and under \$20.	$20 and under $25.	$25 and over.

DOFFERS: Male—Concluded.

South Carolina.	Piece..	12	309	58.4	45.9	\$11.30	\$9.08	13	26	76	81	111	2	20	10	17	21	24	36	27	21	26	37	20	37	20	11	2	1	.....
	Time..	12	242	57.8	46.2	10.45	8.54	14	23	29	78	94	4	22	9	11	15	19	28	21	28	22	19	40	6	2	.....	.....	.....	.....
	Total..	20	551	58.1	46.0	10.93	8.84	27	49	105	159	205	6	42	19	28	36	43	64	48	54	59	39	77	26	13	2	1	.....	.....
Other States.....	Time..	1	3	54.0	29.3	8.10	4.40	1	2	1	2
All States.....	Piece..	26	651	57.1	46.5	12.88	10.83	25	54	128	140	282	22	35	20	24	27	40	53	48	60	68	33	91	58	36	23	20	15	.....
	Time..	69	1,654	55.7	47.3	12.88	11.18	70	129	203	302	868	82	90	47	48	64	98	94	104	100	140	112	268	275	99	52	52	11	.....
	Total..	84	2,305	56.1	47.1	12.88	11.08	95	183	331	442	1,150	104	125	67	72	91	138	147	152	160	208	145	359	333	135	75	72	26	.....

DOFFERS: Female.

Maine.....	Time..	5	203	53.2	48.5	\$13.51	\$12.30	2	9	21	24	147	.....	1	3	.....	7	5	10	24	10	13	16	24	60	23	5	2	.....	.....
Massachusetts..	Piece..	3	151	50.3	47.8	12.31	11.73	2	1	5	19	104	.....	2	.....	1	1	2	.....	9	8	37	7	28	30	3	2	1	.....	.....
	Time..	8	148	52.4	49.1	13.09	13.05	2	5	5	21	101	14	2	.....	3	1	3	4	3	4	8	9	40	61	5	4	1	.....	.....
	Total..	10	279	51.4	48.5	13.20	12.41	4	6	10	40	205	14	4	.....	4	2	5	4	12	12	45	16	68	91	8	6	2	.....	.....

Other States.....	Piece..	2	6	52.6	53.6	11.46	11.66	2	3	3	10	5	1	2	3	1	2	7	4	24	4	5	5	1	7	1	5														
	Time..	5	65	52.8	47.8	10.35	9.49					47		2	3																										
	Total..	6	71	52.8	48.3	10.45	9.66	2	3	3	10	52	1	2	3			1	2	7	4	24	9	5	8	6															
All States.....	Piece..	5	137	50.4	48.1	12.27	11.72	2	1	5	19	109	1	1	2			1	1	2		9	8	41	7	29	31	3	2	1											
	Time..	18	416	52.8	48.5	13.18	12.12	6	17	29	55	295	14	2	6	3	9	10	21	31	38	26	30	71	126	28	9	3	2	1											
	Total..	21	553	52.2	48.2	12.95	12.03	8	18	34	74	404	15	7	6	4	10	12	21	40	46	67	37	100	157	31	11	4													

SPOILER TENDERS: Female.

Alabama.....	Piece..	5	186	59.7	46.0	\$8.43	\$6.74	10	18	66	38	54	21	16	25	22	15	25	16	16	12	6	5	6	1																
	Time..	1	35	60.0	55.9	9.23	8.58	1	1		5	28		1	1	1	1	1	6	8	9	6	1	1																	
	Total..	6	221	59.8	47.5	8.56	7.03	11	19	66	43	82	22	17	25	23	16	31	24	25	18	7	6	6	1																
Connecticut.....	Piece..	3	95	53.7	48.9	12.57	11.33	3	3	8	8	73	3	1	1	1	1	8	7	7	15	11	19	13	5	3															
	Time..	1	19	52.9	51.3	9.50	9.15			1	2	16						2	1		15	1																			
	Total..	4	114	53.6	49.3	12.06	10.96	3	3	9	10	89	3	1	1	1	3	9	7	22	16	11	19	13	5	3															
Georgia.....	Piece..	8	262	59.8	47.1	9.75	7.86	10	24	60	71	77	20	23	16	19	17	30	31	27	18	36	20	15	5	4	1														
	Time..	1	4	60.0	47.8	8.82	7.40	1				1	2	1					1	1	1	1	1																		
	Total..	8	266	59.8	47.1	97.3	7.86	11	24	60	71	78	22	24	16	19	17	30	31	28	19	36	21	15	5	4	1														
Maine.....	Piece..	4	257	53.9	49.3	13.26	12.22	1	12	23	34	187	1	1	7	9	4	9	15	21	14	31	57	64	14	9	1														
	Time..	1	25	54.0	50.1	12.96	12.05		2	2		21			1		1		2		3		18																		
	Total..	5	282	53.9	49.4	13.23	12.20	1	14	25	34	208	1	1	8	9	5	9	17	21	17	31	75	64	14	9	1														
Massachusetts..	Piece..	20	854	53.4	49.2	13.44	12.45	13	30	52	145	614	17	7	7	11	23	27	40	57	69	127	173	161	81	44	10														
	Time..	2	47	51.8	48.5	11.57	10.84		1	3	8	35		1			1	2	2	10	5	5	21																		
	Total..	20	901	53.3	49.2	13.34	12.36	13	31	55	153	649	17	8	7	11	24	29	42	67	74	132	194	161	81	44	10														
New Hampshire	Piece..	3	115	54.0	47.9	12.89	11.50	4	7	9	18	77	5	1	2	2	3	6	3	10	12	8	37	19	6	1															
	Time..	1	2	54.0	50.9	11.99	11.31				1	1									1		1																		
	Total..	3	117	54.0	47.9	12.88	11.50	4	7	9	19	78	5	1	2	2	3	6	3	10	13	8	38	19	6	1															
New York.....	Piece..	2	85	54.0	47.1	12.79	11.18	3	5	11	10	52	4	4	1	2	3	1	5	4	5	7	10	23	13	6	1														
	Time..	14	212	59.3	44.9	9.64	7.40	19	21	41	56	75	24	5	18	25	23	20	26	24	19	11	14	2	1																
North Carolina	Piece..	2	58	53.7	44.3	11.72	9.68	2	2	20	4	30	2	2	2	2	3	2	3	6	19	11	1	5																	
	Time..	1	50	54.0	52.0	13.96	13.48			3	4	43						1	1	1	1	3	21	15	7																
	Total..	3	108	53.8	47.9	12.76	11.44	2	2	23	8	73	2	2	2	2	3	3	4	7	20	14	22	20	7																

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT, DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

**MANUFACTURING—Continued.
ONE WEEK PAY ROLLS—Continued.**

State.	Piece workers or time-workers.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours wk'd per employ-ee during one week.	Average full-time weekly earnings.	Average amount earned per employ-ee during one week.	Employees working each classified per cent of full time during one week.							Employees earning each classified amount during one week.																
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$3.	\$3 and under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$7.	\$7 and under \$8.	\$8 and under \$9.	\$9 and under \$10.	\$10 and under \$11.	\$11 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$18.	\$18 and under \$20.	\$20 and under \$25.	\$25 and over.		
																														28	74
SPOOLER TENDERS: Female—Concluded.																															
South Carolina.	Piece..	19	552	58.6	45.0	\$8.72	\$6.76	28	74	96	188	166	71	39	39	64	71	89	52	51	27	28	18	2	1	.....	.....	.....	.....	.....
	Time..	2	6	60.0	43.8	9.12	6.69	.....	.....	3	2	1	.....	.....	1	2	1	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	20	558	58.6	45.0	8.73	6.76	28	74	99	190	167	71	39	40	66	72	90	52	52	27	28	18	2	1	.....	.....	.....	.....	.....
Other States....	Piece..	1	7	54.0	46.2	11.19	9.76	1	1	2	.....	4	.....	1	1	.....	2	1	1	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Time..	1	7	54.0	36.9	9.47	5.98	1	1	3	.....	2	.....	1	1	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	1	14	54.0	48.7	10.33	7.87	1	2	5	.....	6	.....	1	1	2	.....	2	1	2	1	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
All States.....	Piece..	81	2,683	56.1	47.3	11.33	9.82	93	197	288	572	1,409	24	171	89	123	156	174	223	194	215	230	267	369	290	119	59	11	.....	.....
	Time..	11	195	54.7	60.7	11.54	10.73	3	5	15	22	148	2	3	3	3	3	8	8	11	15	38	17	10	62	15	7	.....	.....	.....	.....
	Total..	86	2,878	56.0	47.6	11.34	9.89	96	202	403	594	1,557	26	174	92	126	159	182	234	209	253	247	277	424	305	126	59	11	.....	.....	.....
WAPER TENDERS: Male.																															
All States.....	Piece..	5	9	60.0	56.7	\$17.53	\$16.84	.....	.....	1	1	7	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	2	1	1	1	3	.....	.....
	Time..	13	23	60.0	50.9	13.24	10.94	.....	.....	4	3	1	12	.....	.....	.....	2	1	.....	1	2	1	2	3	9	1	1	.....	.....	.....	.....
	Total..	17	32	60.0	52.5	14.46	12.80	.....	.....	4	4	2	19	.....	.....	.....	2	1	.....	2	2	1	2	4	9	3	2	1	3	.....	.....

SLASHER TENDERS: Male.

Georgia.....	Time..	8	56	60.0	52.0	\$14.63	\$12.74	1	3	14	8	22	8	1	1	.....	1	1	1	6	7	4	2	13	5	7	1	6	.....
Maine.....	Time..	5	44	54.0	53.8	20.17	20.11	.....	.....	1	2	35	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	2	8	33	.....
Massachusetts..	Time..	20	158	54.0	54.7	21.86	22.63	.....	1	3	10	102	42	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2	2	23	99	32	.....
New Hampshire	Time..	13	27	54.0	53.1	22.09	21.73	.....	.....	1	.....	26	9	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	24	2	.....
South Carolina	Time..	19	81	60.0	56.5	12.35	11.64	1	3	2	21	43	6	1	3	.....	3	1	4	3	9	22	22	7	5	1	.....	.....
Other States....	Piece..	2	2	57.5	57.5	20.00	20.00	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....
	Time..	28	106	57.7	56.5	16.58	16.76	1	6	7	79	13	2	1	1	4	1	8	16	13	13	7	37	3
	Total..	29	108	57.7	56.5	16.64	16.82	1	6	7	81	13	2	1	1	4	1	8	16	13	14	7	38	3
All States.....	Piece..	2	2	57.5	57.5	20.00	20.00	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....
	Time..	83	472	56.6	54.9	18.13	17.97	2	8	27	48	312	75	2	4	3	5	3	14	11	21	26	53	27	27	40	199	37
	Total..	84	474	56.6	54.9	18.13	17.97	2	8	27	48	314	75	2	4	3	5	3	14	11	21	26	53	27	28	40	200	37

DRAWERS-IN: Female.

Alabama.....	Piece..	3	21	60.0	50.2	\$9.83	\$8.31	.....	1	7	4	9	.....	1	.....	.....	3	3	4	3	2	2	.....	2	1	.....	.....	.....	.....	.....
	Time..	3	8	60.9	56.7	9.46	8.90	.....	.....	1	3	2	2	.....	.....	.....	1	2	1	1	2	1	.....	1	.....	.....	.....	.....	.....	.....
	Total..	6	29	60.2	52.0	9.73	8.48	.....	1	8	7	11	2	1	.....	.....	4	3	6	4	4	3	.....	3	1	.....	.....	.....	.....	.....
Connecticut....	Piece..	3	33	54.4	44.8	18.73	15.26	.....	.....	9	21	3	.....	.....	.....	.....	.....	.....	2	.....	1	1	2	4	7	8	5	3	.....	.....
	Time..	1	10	55.0	52.6	14.92	14.33	.....	.....	1	.....	9	.....	.....	.....	.....	.....	.....	1	.....	1	.....	2	2	2	3	1	.....	.....	.....
	Total..	4	43	54.5	46.7	17.84	15.05	.....	.....	10	21	12	.....	.....	.....	.....	.....	.....	3	.....	1	2	2	6	9	11	5	4	.....	.....
Maine.....	Piece..	3	44	54.0	48.1	17.41	15.52	.....	.....	2	27	15	.....	.....	.....	.....	.....	.....	2	2	1	.....	1	8	11	7	7	5	.....	.....
	Time..	2	13	54.0	52.1	13.90	13.43	.....	.....	1	1	11	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	6	5	1	1	7	5	.....	.....
	Total..	5	57	54.0	49.0	16.61	15.05	.....	.....	3	28	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	14	16	8	7	5	.....	.....
Georgia.....	Piece..	3	27	60.0	53.6	10.36	9.27	1	2	.....	7	17	.....	2	.....	.....	.....	1	4	5	4	4	3	3	.....	1	.....	.....	.....	.....
	Time..	4	13	60.0	53.3	9.55	8.38	.....	.....	2	6	4	1	.....	.....	.....	.....	.....	3	3	3	1	2	.....	1	.....	.....	.....	.....	.....
	Total..	7	40	60.0	53.5	10.10	8.98	1	2	2	13	21	1	2	.....	.....	.....	.....	4	7	8	5	6	3	4	.....	1	.....	.....	.....
Massachusetts..	Piece..	16	269	53.7	50.4	16.29	15.40	1	4	25	49	190	.....	1	.....	2	1	3	4	10	9	16	21	40	50	38	21	53	.....	.....
	Time..	9	15	53.4	52.7	15.73	15.50	.....	.....	.....	2	13	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2	4	5	3	.....	.....	.....	.....
	Total..	19	284	53.7	50.6	16.26	15.40	1	4	25	51	203	.....	1	.....	2	1	3	4	10	10	16	21	42	54	43	24	53	.....	.....

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT, DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

ONE WEEK PAY ROLLS—Continued.

State.	Piece workers or time-workers.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours wk'd per employee during one week.	Average full-time weekly earnings.	Average amount earned per employee during one week.	Employees working each classified per cent of full time during one week.					Employees earning each classified amount during one week.																
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$3.	\$3 and under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$7.	\$7 and under \$8.	\$8 and under \$9.	\$9 and under \$10.	\$10 and under \$11.	\$11 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$18.	\$18 and under \$20.	\$20 and under \$25.	\$25 and over.

DRAWERS-IN: Female—Concluded.

New Hampshire	Piece..	3	36	54.0	49.5	\$14.86	\$13.72	1	4	6	25	3	2	1	3	8	9	5	4	1					
	Time..	3	3	54.0	43.3	13.07	10.27	1			2	1				2									
	Total..	3	39	54.0	49.1	14.72	13.45	2	4	6	27	1	3	2	3	10	9	5	4	1					
North Carolina	Piece..	2	4	60.0	57.5	14.81	13.99			1	3				2				1	1					
	Time..	5	15	60.0	56.2	11.07	10.35		1	6	8		1		3	5	1								
	Total..	6	19	60.0	56.5	11.85	11.11		1	7	11		1		5	4	5	1	1	1					
Rhode Island...	Piece..	3	51	54.0	51.2	15.15	14.61	1		1	15	34	1	1	2	2	4	4	9	5	8	5	9		
South Carolina	Piece..	10	50	59.4	42.5	10.96	7.89	4	9	9	18	10	7	4	3	6	8	2	2	4	2	2			
	Time..	9	27	60.0	54.2	9.88	8.90	1	1	2	4	19	1	1	1	4	10	6	1	1					
	Total..	18	77	59.7	46.6	10.58	8.24	5	10	11	22	29	8	5	1	6	5	4	10	18	8	3	5	2	2
Other States....	Piece..	1	8	54.0	51.0	17.00	15.53			1		7													
	Time..	2	4	54.0	50.9	10.83	10.20			1	3					1	1		2		2	4	1		
	Total..	3	12	54.0	51.0	14.94	13.75			1	1	10				1	1	1	2		2	4	1		

All States.....	Piece..	47	543	55.0	49.4	15.29	13.94	7	17	58	148	313	.....	12	4	3	10	15	21	28	30	33	33	78	87	74	43	72	.....
	Time..	37	108	57.5	53.5	11.86	11.09	1	2	8	23	71	.....	3	1	1	.....	3	5	7	11	18	14	8	16	11	9	3	.....
	Total..	74	651	55.4	50.1	14.72	13.46	8	19	66	171	384	3	13	5	3	13	20	28	39	48	47	41	94	98	83	46	73

LOOM FIXERS: Male.

Alabama.....	Time..	6	133	60.2	54.6	\$16.80	\$15.33	2	2	27	20	70	.....	12	1	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Connecticut.....	Time..	4	90	55.1	53.3	24.89	24.09	.....	.....	3	2	83	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Georgia.....	Time..	8	180	60.0	56.3	16.63	15.62	.....	.....	5	18	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maine.....	Time..	5	206	54.0	52.7	23.99	23.42	1	4	4	9	185	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Massachusetts..	Piece..	2	10	54.0	57.2	26.71	28.24	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Time..	20	641	54.0	52.7	24.56	24.03	4	8	15	20	585	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	20	651	54.0	52.8	24.59	24.07	4	8	15	20	588	.....	16	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Hampshire	Time..	3	147	54.0	52.7	25.13	24.54	1	1	2	9	134	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York.....	Time..	2	57	54.3	54.9	22.69	22.94	.....	.....	.....	.....	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Carolina	Piece..	2	2	60.0	55.0	15.33	13.98	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Time..	11	94	60.0	54.3	16.23	14.70	5	4	5	7	68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	11	96	60.0	54.4	16.21	14.69	5	4	5	8	67	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rhode Island...	Time..	3	182	54.0	51.9	27.14	26.25	1	3	5	11	162	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Carolina.	Piece..	2	16	60.0	56.4	17.04	16.09	.....	.....	.....	.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Time..	17	304	60.6	57.3	16.69	15.78	6	7	14	82	163	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	18	320	60.6	57.3	16.71	15.80	6	7	15	87	173	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other States.....	Piece..	1	7	54.0	54.0	21.21	21.20	.....	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All States.....	Piece..	7	35	57.1	56.1	20.54	19.89	.....	.....	.....	.....	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Time..	79	2,034	56.3	53.9	21.96	21.20	20	37	93	190	1,607	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	81	2,069	56.3	54.0	21.94	21.18	20	37	94	196	1,628	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

GENERAL TABLES.

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT, DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

**MANUFACTURING—Continued.
ONE WEEK PAY ROLLS—Concluded.**

State.	Piece workers or time-workers.	Number of estab-lish-m'ts.	Number of employ-ees.	Average full-time hours per week of estab-lish-m'ts.	Average hours wk'd per employ-ee during one week.	Average full-time weekly earnings.	Average amount per employ-ee during one week.	Employees working each classified per cent of full time during one week.						Employees earning each classified amount during one week.											
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$3.	\$3 and under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$7.	\$7 and under \$8.	\$8 and under \$9.	\$9 and under \$10.	\$10 and under \$11.	\$11 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	$16 and under $18.	$18 and under $20.	$20 and under $25.	$25 and over.

OTHER EMPLOYEES: Male—Concluded.

North Carolina.	Piece..	11	26	58.8	51.1	\$15.76	\$11.26	1	1	5	4	14	1	2	.....	2	1	1	4	1	1	6	6	2	.....	.....	.....
	Time..	14	1,265	59.8	53.5	11.92	10.83	42	83	94	197	701	148	56	40	52	38	74	67	78	240	108	90	173	6	77	53	87	41	41
Total..		14	1,291	59.8	53.5	12.00	10.84	43	84	99	201	715	149	58	40	52	38	76	68	79	244	109	91	179	83	55	87	41	41	
Rhode Island...	Piece..	3	66	54.0	42.8	20.74	16.14	1	5	28	5	26	1	.....	1	1	1	.....	1	2	2	8	8	11	11	4	10	.....	5
	Time..	3	892	54.5	52.8	18.10	17.66	13	27	87	49	660	106	11	7	8	7	8	10	15	11	22	47	88	185	128	83	129	133	
Total..		3	958	54.4	52.1	18.29	17.56	14	32	65	54	686	107	11	8	9	8	8	11	16	13	24	55	96	196	139	87	139	138	
South Carolina.	Piece..	10	43	60.0	49.7	11.74	9.74	1	4	7	18	12	1	2	3	1	2	.....	5	3	6	4	5	8	3	1	.....	.....
	Time..	20	2,944	60.2	54.2	11.09	10.23	73	154	259	676	1,499	283	141	66	107	130	166	237	424	371	251	183	286	238	151	105	75	18	
Total..		20	2,987	60.2	54.1	11.10	10.23	74	158	266	694	1,511	284	143	69	108	132	166	242	427	377	255	188	294	241	152	105	75	13	
Other States....	Time..	1	50	55.0	51.0	14.26	12.97	2	1	7	3	25	12	2	1	3	3	1	6	7	7	8	5	2	5
All States.....	Piece..	58	533	55.0	48.8	15.61	14.04	11	28	92	75	278	49	21	9	15	21	14	22	17	32	40	30	64	59	65	33	48	43	
	Time..	86	18,365	56.9	53.8	14.90	14.47	468	728	1,196	2,191	10,093	3,689	546	283	367	401	623	666	1,073	1,331	1,004	1,090	2,353	2,362	1,541	1,248	1,840	1,637	
Total..		86	18,898	56.8	53.6	14.92	14.46	479	756	1,288	2,266	10,371	3,738	567	292	382	422	637	688	1,090	1,363	1,044	1,120	2,417	2,421	1,606	1,281	1,888	1,680	

Other States.....	Time..	5	27	114.2	90.1	19.07	15.19	4	1	2	9	11	2	2	1	1	2	4	12	8																						
All States.....	Piece..	1	73	107.3	95.2	27.15	24.38	1	5	5	27	32	3	1	3	3	2	4	22	27	11																					
	Time..	7	49	111.4	94.1	22.75	19.64	4	2	3	17	23	2	2	1	2	3	4	12	9	12																					
	Total..	7	122	108.9	94.8	25.38	22.47	5	7	8	44	55	3	3	4	5	5	4	16	31	39	13																				

SLUBBER TENDERS: Male.

Alabama.....	Piece..	2	11	120.0	95.6	87.32	\$22.11	1	3	7	1	1	3	1	2	1	3	1	2	1	3																				
New Hampshire	Piece..	2	89	108.0	95.8	41.53	86.82	2	11	38	40	1	1	1	3	1	3	4	6	32	37	4																			
Other States.....	Piece..	6	14	120.0	109.6	25.27	22.95	2	7	5	1	1	1	1	3	6	5	1																							
	Time..	2	5	117.6	78.0	23.95	15.94	1	2	1	1	1	1	1	1	1	1	1	1																						
	Total..	8	19	119.4	101.3	24.92	21.11	4	8	6	1	1	1	1	4	6	6																								
All States.....	Piece..	10	114	119.4	97.1	38.13	33.09	3	8	16	40	52	1	2	4	7	12	12	85	87	4																				
	Time..	2	5	117.6	78.0	23.95	15.94	1	2	1	1	1	1	1	1	1	1	1	1																						
	Total..	12	119	119.3	96.3	37.56	32.95	4	3	18	41	53	1	2	4	8	12	13	85	87	4																				

SLUBBER TENDERS: Female.

All States.....	Piece..	3	5	108.0	70.0	\$28.12	\$18.21	1	2	2	1	1	1	1	1	2	1	2	1	1	1																					
	Time..	2	10	108.0	63.4	21.14	12.50	2	2	4	8	1	1	1	1	4	4	1	4	1	1																					
	Total..	3	15	108.0	65.6	23.47	14.40	4	1	2	2	6	4	1	1	1	1	6	1	1	1																					

SPEEDER TENDERS: Male.

All States.....	Piece..	11	149	108.6	97.0	\$32.30	\$27.62	6	11	16	54	61	1	2	4	4	1	3	8	14	21	32	45	13	2															
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SPEEDER TENDERS: Female.

All States.....	Piece..	11	492	109.0	97.0	\$32.10	\$28.78	4	21	53	152	262	2	3	2	2	2	8	7	11	46	53	94	240	19	3															
	Time..	4	20	109.8	76.2	19.93	13.84	2	3	8	5	6	1	3	1	2	2	8	1	1	5	5	5	240	19	3															
	Total..	12	512	109.0	96.2	31.62	28.19	6	24	56	157	268	1	5	3	2	4	11	7	12	51	58	94	240	19	3															

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT, DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

TWO-WEEK PAY ROLLS—Continued.

State.	Piece-workers or time-workers.	Number of establishments.	Number of employees.	Average full-time hours per two weeks of establishments.	Average hours worked per employee during two weeks.	Average full-time bi-weekly earnings.	Average amount earned per employee during two weeks.	Employees working each classified per cent of full time during two weeks.						Employees earning each classified amount during two weeks.																	
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$8.	\$8 and under \$10.	\$10 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$20.	\$20 and under \$25.	\$25 and under \$30.	\$30 and under \$40.	\$40 and under \$50.	\$50 and under \$60.	\$60 and under \$70.	\$70 and over.		
SPINNERS, FRAME: Male.																															
All States.....	Time..	4	9	111.1	90.9	\$23.23	\$18.84	.....	4	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SPINNERS, FRAME: Female.																															
New Hampshire	Time..	2	828	107.6	91.6	\$29.21	\$24.88	26	60	100	225	417	.....	19	1	1	6	17	18	26	38	63	132	355	145	7	.....	.....	.....	.....	.....
North Carolina.	Time..	5	155	113.6	89.3	21.50	17.09	7	13	22	67	45	.....	1	5	4	3	3	10	9	19	13	36	29	22	2	.....	.....	.....	.....	.....
Other States....	Time..	6	155	115.4	88.7	19.08	14.57	4	15	37	66	33	.....	4	4	4	10	20	19	18	14	29	25	7	1	.....	.....	.....	.....	.....	.....
	Total..	13	1,138	109.5	90.9	26.78	22.41	37	88	159	358	495	1	28	9	8	19	47	46	63	65	128	186	384	148	7	.....	.....	.....	.....	.....
DOFFERS: Male.																															
New Hampshire	Piece..	1	134	105.5	94.4	\$32.03	\$28.83	3	7	6	53	65	.....	1	1	.....	1	1	4	5	5	3	9	28	74	2	.....	.....	.....	.....	.....
	Time..	1	54	108.0	95.0	30.46	26.79	1	1	10	10	32	.....	1	.....	.....	.....	.....	8	.....	1	2	15	18	14	.....	.....	.....	.....	.....	.....
	Total..	2	188	106.2	94.6	31.68	28.24	4	8	16	63	97	.....	2	1	.....	1	1	7	5	6	5	24	46	88	2	.....	.....	.....	.....	.....

North Carolina.	Piece..	2	17	108.0	84.9	20.77	17.00	1	3	1	4	8	.....	1	.....	2	2	1	1	1	3	1	6	.....	.....	.....	.....
	Time..	5	58	104.6	82.9	17.58	16.08	3	9	3	22	21	.....	3	1	3	7	1	4	11	5	11	12	.....	.....	.....	.....
	Total..	5	75	104.9	83.3	18.37	16.29	4	12	4	26	29	.....	4	1	3	9	3	5	12	6	13	18	6	.....	.....	.....
Other States....	Time..	5	64	115.6	96.0	20.50	16.93	2	2	8	29	23	.....	2	.....	4	4	5	7	8	13	13	3	5	.....	.....	.....
All States.....	Piece..	3	151	105.6	93.4	30.76	27.49	4	10	7	57	73	.....	2	1	.....	3	3	5	6	5	10	34	74	2	.....	.....
	Time..	11	176	109.7	91.4	22.59	19.68	6	12	21	61	76	.....	6	1	3	11	5	12	18	14	26	40	21	19	.....	.....
	Total..	12	327	107.8	92.3	26.39	23.29	10	22	28	118	149	8	2	3	14	8	17	24	20	31	50	55	93	2

DOFFERS: Female.

All States.....	Piece..	1	113	108.0	84.6	\$32.42	\$25.03	4	12	22	46	29	.....	2	2	2	2	1	3	5	5	8	10	41	31	.....	.....
	Time..	3	35	108.0	89.4	25.04	20.73	1	1	8	10	14	1	1	2	2	2	1	3	5	5	6	14	1
	Total..	4	148	108.0	85.7	30.67	24.01	5	13	30	56	43	.....	3	.....	2	2	2	3	8	10	13	18	55	32	.....	.....

SPOOLER TENDERS: Female.

Alabama.....	Piece..	1	32	120.0	83.3	\$18.86	\$13.15	3	4	7	14	4	.....	3	.....	3	3	4	3	8	5	3	.....	.....	.....	.....
	Time..	1	27	120.0	96.2	16.48	13.30	.....	4	3	10	10	.....	1	.....	1	4	1	3	3	6	9	.....	.....	.....	.....
	Total..	2	59	120.0	89.2	17.77	13.24	3	8	10	24	14	.....	4	.....	1	7	4	7	6	13	14	3	.....	.....	.....
New Hampshire	Piece..	2	400	106.4	90.6	29.29	24.84	12	28	50	196	114	.....	8	4	5	5	8	11	13	14	27	80	116	106	2	.....
	Time..	1	8	108.0	98.1	28.78	26.10	.....	1	.....	2	5	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	7	.....	.....	.....
	Total..	2	408	106.4	90.8	29.28	24.86	12	29	50	198	119	.....	8	4	5	5	9	11	13	14	27	86	123	106	2	.....
North Carolina.	Piece..	5	90	119.0	89.4	18.93	14.37	9	9	15	28	26	.....	3	7	3	2	6	6	6	9	11	26	7	6	1	.....
	Time..	1	1	120.0	110.0	18.09	16.50	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	5	91	119.0	89.6	18.93	14.39	9	9	15	29	26	.....	3	7	3	2	6	6	6	9	11	27	7	6	1	.....
Other States....	Piece..	1	15	120.0	81.5	15.50	10.63	1	1	3	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Time..	4	34	110.5	91.6	18.37	13.60	2	1	4	17	10	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	4	49	113.4	88.5	16.13	12.69	3	2	7	27	10	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All States.....	Piece..	9	537	109.7	89.7	26.55	21.99	25	42	75	248	144	.....	3	14	7	7	17	17	26	30	33	59	96	122	107	2
	Time..	7	70	114.0	94.4	17.85	14.95	2	6	7	30	25	.....	3	.....	1	4	4	4	.....	11	20	16	.....	7	.....	.....
	Total..	13	607	110.2	90.3	25.65	21.18	27	48	82	278	169	.....	3	17	7	8	21	21	30	41	53	75	96	129	107	2

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL-TIME AND EARNING EACH CLASSIFIED AMOUNT, DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

MANUFACTURING—Continued.

TWO-WEEK PAY ROLLS—Continued.

State.	Piece-workers or time-workers.	Number of establishments.	Number of employees.	Average full-time hours per two weeks of establishments.	Average hours w'kd per employ-ee during two w'ks.	Average full-time bi-weekly earnings.	Average amount earned per employ-ee during two weeks.	Employees working each classified per cent of full time during two weeks.							Employees earning each classified amount during two weeks.														
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$8.	\$8 and under \$10.	\$10 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$20.	\$20 and under \$25.	\$25 and under \$30.	\$30 and under \$40.	\$40 and under \$50.	\$50 and under \$60.	\$60 and under \$70.	\$70 and over.
WARPER TENDERS: Male.																													
All States.....	Time..	9	22	117.3	93.6	\$27.02	\$22.06	2	3	13	4	1	1	1	3	11	5												
WARPER TENDERS: Female.																													
New Hampshire	Piece..	2	82	108.0	94.4	\$32.22	\$28.23	2	5	5	39	31	1	3	2	1	2	4	7	24	31	7							
	Time..	2	11	108.0	106.5	26.06	25.71				2	9								2	9								
	Total..	2	93	108.0	95.8	31.50	27.94	2	5	5	41	40	1	3	2	1	2	4	9	33	31	7							
Other States....	Piece..	1	4	120.0	94.3	33.51	26.87		2	1	1						1		1										
	Time..	2	3	120.0	99.0	21.20	17.57			3							1	1											
	Total..	3	7	120.0	96.3	28.23	22.89		2	4	1						2	1	2	1		1							
All States.....	Piece..	3	86	108.6	94.4	32.23	28.17	2	5	7	40	32	1	3	2	1	3	4	8	25	31	8							
	Time..	4	14	111.0	104.9	25.02	23.96			5	9						1	1	3	9									
	Total..	5	100	109.9	95.8	31.26	27.58	2	5	7	45	41	1	3	2	1	4	5	11	34	31	8							

BEAMER TENDERS: Male.

All States.....	Piece..	4	19	120.0	112.0	\$34.13	\$31.45	2	1	11	6	1	1	1	1	6	8	3	
	Time..	4	19	114.9	99.4	33.41	29.05	2	2	3	11	1	1	1	1	3	12		
	Total..	6	38	117.5	105.7	33.77	30.25	2	3	14	17	2	1	1	2	1	4	6	20	3

BEAMER TENDERS: Female.

All States.....	Piece..	1	66	108.0	83.1	\$32.84	\$25.33	1	8	6	51	1	2	3	3	4	13	25	15
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SLASHER TENDERS: Male.

All States.....	Piece..	1	68	108.0	91.9	\$52.53	\$44.74	2	4	58	4	1	1	2	12	34	17	1	
	Time..	9	27	114.2	114.6	35.26	31.69	6	14	7	7	1	4	5	8	14			
	Total..	10	95	109.8	98.4	47.62	42.09	2	4	64	18	7	1	1	5	7	15	48	17	1

DRAWERS-IN: Female.

New Hampshire	Piece..	2	139	108.0	83.0	\$34.90	\$26.97	4	11	36	60	22	2	1	2	1	2	4	7	9	29	30	42	10	.....
Other States.....	Piece..	3	7	120.0	88.7	20.38	15.11	1	3	1	2	1	1	1	1	2	.....								
	Time..	5	9	117.3	87.8	22.31	16.38	1	1	4	3	1	1	1	1	1	1	1	1	1	2	1	2	1	.....
	Total..	8	16	118.5	88.2	21.47	15.83	1	2	3	5	5	1	1	1	1	1	1	1	1	2	1	6	2	1	.....
All States.....	Piece..	5	146	108.6	83.3	34.20	28.39	4	12	39	67	24	2	1	1	2	1	3	6	7	10	31	30	42	10	.....
	Time..	5	9	117.3	87.8	22.31	16.38	1	1	4	3	1	1	1	1	1	1	1	1	1	0	31	30	42	10	.....
	Total..	10	155	109.1	83.6	33.51	25.81	5	13	39	71	27	3	1	1	2	2	3	6	7	16	31	31	42	10	.....

TABLE D.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT, DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Continued.

**MANUFACTURING—Continued.
TWO-WEEK PAY ROLLS—Continued.**

State.	Piece-workers or time-workers.	Number of establishments.	Number of employees.	Average full-time hours per two weeks of establishments.	Average hours w'kd per employee during two w'ks.	Average full-time bi-weekly earnings.	Average amount earned per employee during two weeks.	Employees working each classified per cent of full time during two weeks.										Employees earning each classified amount during two weeks.											
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$8.	\$8 and under \$10.	\$10 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$20.	\$20 and under \$25.	\$25 and under \$30.	\$30 and under \$40.	\$40 and under \$50.	\$50 and under \$60.	\$60 and under \$70.	\$70 and over.

LOOM FIXERS: Male.

Alabama.....	Time..	2	25	120.0	103.4	\$37.56	\$32.48	1	1	3	6	14	.....	.....	1	.....	.....	1	1	1	3	13	5	.....	.....		
New Hampshire	Time..	2	240	108.0	104.8	49.94	48.43	1	4	12	31	289	3	.....	.....	1	.....	1	1	5	4	27	42	258	1	
North Carolina	Piece..	3	3	120.0	98.0	29.08	23.91	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....
	Time..	5	48	120.0	108.2	32.46	29.57	2	2	3	6	29	6	2	.....	.....	.....	.....	2	2	10	28	2	.....	.....		
	Total..	5	51	120.0	107.6	32.26	29.24	2	2	4	7	30	6	2	.....	.....	.....	.....	3	3	10	29	2	.....	.....		
Other States....	Time..	6	46	122.8	108.9	33.12	29.38	2	3	1	20	14	6	2	3	1	5	7	26	2			
All States.....	Piece..	3	3	120.0	98.0	29.08	23.91	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....
	Time..	14	459	111.3	105.4	45.75	43.68	6	10	19	63	346	15	4	5	1	2	5	13	24	94	51	258	1
	Total..	14	462	111.4	105.3	45.64	43.55	6	10	20	64	347	15	4	5	1	2	6	14	24	95	51	258	1

WEAVERS: Male.

Alabama.....	Piece..	8	299	119.9	97.4	\$28.13	\$24.03	2	21	94	74	107	1	3	.....	4	4	5	16	13	20	40	52	59	71	11	1	.....
	Time..	4	32	120.0	64.4	19.47	10.68	7	6	11	3	5	.....	6	.....	2	2	2	4	4	3	1	2	6	.....	.....	.....	.....
	Total..	8	331	120.0	94.2	28.19	22.74	9	27	105	77	112	1	9	.....	6	6	4	20	16	21	42	58	69	71	11	1	.....

Connecticut.....	Piece..	4	360	109.7	103.2	87.12	35.18	2	4	29	32	293	.....	1	1	2	1	6	3	6	19	20	22	167	97	15	.....	
	Time..	1	3	110.0	26.7	37.95	9.84	2	.....	1	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
	Total..	4	363	109.7	102.8	87.12	34.97	4	4	30	32	293	.....	1	2	1	2	1	6	3	6	19	20	23	167	97	15	.....
Georgia.....	Piece..	4	436	120.0	85.1	27.51	19.95	22	69	119	143	68	4	15	14	6	5	20	19	30	23	27	87	83	61	53	8	.....
	Time..	5	59	120.0	46.1	22.34	8.98	27	15	7	5	5	6	1	20	3	5	8	6	4	3	.....	5	4	1	.....	.....
	Total..	10	495	120.0	80.5	26.89	18.64	49	84	126	148	72	16	34	9	10	28	25	34	26	27	87	88	65	54	8	.....	
Maine.....	Piece..	5	539	107.9	96.3	41.37	37.06	5	17	61	92	384	.....	.....	.....	4	2	9	6	5	25	43	34	174	176	54	7	.....
	Time..	2	49	108.0	80.0	40.01	32.10	7	5	6	12	19	.....	1	.....	6	8	2	.....	1	.....	4	1	1	29	.....	.....	.....
	Total..	5	588	107.9	94.9	41.26	38.64	12	22	67	104	383	1	5	7	4	11	6	6	25	47	35	176	205	54	7
Massachusetts..	Piece..	20	2,316	107.9	96.5	35.42	31.98	48	95	255	313	1,557	48	14	12	11	19	29	43	47	45	111	148	361	951	470	55	.....
	Time..	11	84	107.6	41.0	31.47	12.97	44	20	13	2	14	1	34	3	2	8	5	3	9	5	5	2	2	14	2	.....	.....
	Total..	20	2,410	107.9	94.3	35.27	31.24	92	115	268	315	1,571	49	48	15	13	27	34	46	56	50	116	150	363	966	472	55	.....
New Hampshire	Piece..	5	1,006	108.0	97.5	37.21	33.99	14	43	94	205	653	.....	4	1	3	6	11	16	12	14	26	73	110	481	226	27	.....
	Time..	1	20	108.0	82.7	31.85	24.79	.....	5	2	1	12	.....	.....	.....	1	3	.....	2	1	.....	1	.....	1	2	10	.....	.....
	Total..	5	1,029	108.0	97.2	37.10	33.52	14	48	96	206	655	.....	4	1	3	7	14	16	14	15	26	74	112	491	226	27	.....
New York.....	Piece..	2	197	108.7	95.6	36.17	31.65	9	5	23	31	129	.....	5	1	.....	1	3	3	1	2	11	12	19	114	25	.....	.....
North Carolina.	Piece..	18	633	120.0	99.0	29.67	24.18	28	45	96	172	287	5	12	6	5	14	12	20	27	23	66	102	176	164	7	.....	
	Time..	7	34	114.8	66.3	21.09	12.57	8	8	4	7	7	.....	5	1	2	7	2	1	1	4	4	3	1	3	.....	.....
	Total..	18	667	119.7	97.3	29.11	23.58	36	53	100	179	294	5	17	7	7	21	14	21	28	27	70	105	176	167	7	.....	
Rhode Island...	Piece..	3	554	107.9	95.1	38.85	34.40	13	20	72	86	363	7	1	1	4	9	11	9	13	28	40	38	185	179	27	2
	Time..	1	3	108.0	17.9	11.32	4.06	3	1
	Total..	3	557	107.9	94.7	38.76	34.24	16	20	72	86	363	9	1	1	5	9	11	9	13	28	40	38	185	179	27	2
South Carolina.	Piece..	19	987	119.7	95.6	28.02	22.90	50	82	148	415	292	.....	37	13	8	24	33	27	37	41	97	225	247	171	25	2	.....
	Time..	5	60	119.5	54.0	20.08	9.16	19	17	7	16	2	.....	18	4	2	6	4	3	1	6	12	2	.....	.....	.....	.....	.....
	Total..	19	1,047	119.7	93.3	27.56	22.11	69	99	155	430	294	.....	55	17	11	30	37	30	38	47	109	228	247	171	25	2	.....
Pennsylvania...	Piece..	3	25	108.0	103.1	26.19	24.81	.....	.....	2	5	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	3	5	12	3	.....
All States.....	Piece..	97	7,355	111.8	96.3	34.22	29.97	193	401	993	1,598	4,131	69	96	41	38	98	124	181	178	198	513	803	1,138	2,534	1,223	181	9
	Time..	37	354	112.7	56.0	27.08	14.62	117	76	51	45	63	.....	2	87	14	19	36	26	17	19	18	23	25	10	29	31	.....
	Total..	97	7,709	111.9	94.5	33.89	29.27	310	477	1,044	1,613	4,194	71	183	55	57	134	150	198	197	216	536	828	1,148	2,563	1,264	181	9

	Total..	2	3,785	107.8	97.7	32.69	29.42	76	125	440	444	2,690	4	36	14	10	32	39	63	83	117	222	350	802	1,632	371	14
New Hampshire	Piece..	5	2,526	108.0	98.1	34.62	31.50	40	89	236	482	1,699	17	8	3	18	19	29	44	34	101	221	412	1,252	354	14	
	Time..	2	53	108.0	100.0	22.86	21.22	1	4	1	4	45	1	1	1	2	1	1	2	45	1	1	
	Total..	5	2,581	108.0	97.8	34.37	31.28	4	93	237	486	1,744	18	8	3	19	21	30	45	34	103	266	413	1,253	354	14	
New York.....	Piece..	2	183	108.0	91.1	32.24	27.31	9	7	28	37	102	4	.....	2	3	1	2	5	7	14	25	32	86	2	.....	
North Carolina	Piece..	18	426	119.2	97.2	25.44	20.83	17	36	65	117	191	8	5	7	12	20	16	19	21	75	102	96	45	.....		
	Time..	9	41	114.1	81.2	18.74	13.24	3	6	9	12	11	4	1	.....	4	4	3	4	6	11	4	.....	.....	.....	.....
	Total..	18	467	118.7	96.8	24.85	20.17	20	42	74	129	202	12	6	7	16	24	19	23	27	86	106	96	45	.....		
Pennsylvania...	Piece..	3	119	108.0	99.9	24.07	22.26	1	2	6	87	73	1	.....	1	1	2	3	7	34	32	22	15	1	.....		
Rhode Island...	Piece..	3	585	107.8	96.4	35.90	32.47	9	22	73	101	380	8	2	7	6	8	10	17	11	85	40	69	213	140	24	
	Time..	1	6	108.0	7.4	38.12	2.26	6	.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	3	591	107.8	95.6	35.57	32.16	15	22	73	101	380	9	2	7	6	8	10	17	11	86	40	69	213	140	24	
South Carolina	Piece..	19	624	118.8	91.9	24.20	19.00	49	58	92	228	187	35	15	13	19	22	29	37	89	98	163	109	41	4	.....	
	Time..	4	78	119.6	57.3	19.06	9.13	25	17	13	18	5	20	7	2	7	13	5	8	5	14	2	.....	.....	.....	.....
	Total..	19	702	118.9	88.0	23.63	17.90	74	75	105	256	192	55	22	15	26	35	34	40	44	112	165	109	41	4	.....	
All States.....	Piece..	97	10,025	110.2	96.8	31.87	28.33	238	457	1,804	1,786	6,231	9	131	57	65	131	159	230	283	340	784	1,170	1,820	3,729	1,057	68	1
	Time..	40	475	114.4	70.6	23.78	15.80	91	79	93	79	133	80	21	7	83	60	26	22	33	58	74	6	82	81	.....	
	Total..	97	10,500	110.4	95.6	31.51	27.76	329	536	1,897	1,865	6,364	9	211	78	72	164	209	256	305	373	842	1,244	1,828	3,761	1,088	68	1

TRIMMERS OR INSPECTORS: Female.

Alabama.....	Time..	2	16	120.0	101.3	\$17.96	\$15.40	1	4	4	7	1	1	1	3	4	1	5
New Hampshire	Piece..	1	6	108.0	87.1	30.60	24.88	1	.....	5	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Time..	2	32	108.0	100.6	23.40	21.84	1	2	8	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	2	38	108.0	98.6	24.54	22.32	1	1	2	13	21	1	.....	1	.....	1	.....	1	2	24	7	1	.....	.....
Other States.....	Time..	2	3	120.0	116.3	16.20	15.79	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....
All States.....	Piece..	1	6	108.0	87.1	30.60	24.88	1	.....	5	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Time..	6	51	112.5	101.8	21.27	19.46	2	6	13	30	.....	1	.....	2	.....	3	3	5	5	29	3	.....	.....	.....
	Total..	6	57	112.0	100.2	22.25	20.04	1	2	6	18	30	1	1	.....	2	.....	3	3	5	5	29	7	1	.....

All States.....	Piece..	10	253	108.5	81.8	30.67	23.74	28	28	33	71	90	3	19	6	2	9	9	13	11	4	18	34	47	47	31	3	.....
	Time..	14	4,923	107.9	99.8	34.45	32.38	143	262	340	899	2,444	835	100	36	29	66	95	96	117	143	296	510	814	1,321	706	446	115
	Total..	14	5,176	107.9	98.9	34.27	31.96	171	290	373	970	2,534	838	119	42	31	75	104	109	128	147	284	544	861	1,368	737	449	115

OTHER EMPLOYEES: Female.

Alabama.....	Piece..	1	5	98.0	68.4	\$14.03	\$10.55	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Time..	2	69	118.0	91.2	15.80	12.59	8	4	7	28	22	8	1	2	3	9	5	8	7	24	2
	Total..	2	74	116.7	89.6	15.68	12.45	8	5	9	29	23	8	2	3	3	10	5	9	7	24	3
New Hampshire	Piece..	2	332	107.3	86.1	26.25	21.82	18	37	42	120	115	17	8	6	13	13	11	12	13	38	75	59	47	20	
	Time..	2	985	95.8	84.3	24.95	22.37	27	51	78	247	582	23	9	14	8	6	32	19	24	113	390	265	75	7	
	Total..	2	1,317	98.7	84.8	25.28	22.23	45	88	120	367	697	40	17	20	21	19	43	31	37	151	465	324	122	27	
North Carolina.	Piece..	4	10	120.0	110.5	16.99	15.72	1	4	5	
	Time..	5	61	116.0	97.4	15.68	13.56	3	2	10	20	26	4	1	2	3	5	8	8	8	18	3	1	.....	.....	.....	.....
	Total..	5	71	116.6	99.3	15.87	13.72	3	2	11	24	31	4	1	2	3	6	9	11	9	21	3	1	1	
Pennsylvania...	Piece..	1	14	108.0	96.7	25.49	22.02	1	5	8	
	Time..	3	38	107.5	80.0	19.51	13.94	6	2	5	10	15	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	3	52	107.6	84.3	21.12	16.11	7	2	5	15	23	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other States.....	Piece..	1	3	110.0	89.0	8.58	6.82	3	
	Time..	1	8	120.0	57.6	17.78	8.57	1	3	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total..	1	11	117.3	66.2	15.18	8.09	1	3	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All States.....	Piece..	9	364	107.5	86.9	25.65	21.38	19	38	45	133	129	17	9	7	16	16	12	16	15	44	83	60	49	20	.....	.....
	Time..	13	1,161	98.7	85.1	23.70	20.95	45	62	104	305	645	41	12	20	17	21	49	43	45	161	404	266	75	7	.....	.....
	Total..	13	1,525	100.8	85.5	24.10	21.05	64	100	149	438	774	58	21	27	33	37	61	59	60	205	487	326	124	27	.....	.....

TABLE E.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN THE UNITED STATES, BY YEARS, 1911 TO 1918.

FINISHING.

[In this table the figures opposite each group of years are for identical establishments. When a second line is shown for 1918 it contains all data obtained for 1918, whether or not comparable data for 1916 were available.]

Occupation, sex, and number of establishments	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—					Employees whose earnings per hour were—													
						Under 48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.
Laborers, bleach house, male:																								
19 establishments		1911	688	57.5	\$0.133	\$7.63	364	128	196	40	107	283	206	82	11	8	1		
		1912	748	57.2	.137	7.82	.....	.....	404	187	167	.....	36	57	323	244	64	10	14	.....	.....	
19 establishments		1912	714	57.7	.137	7.88	.....	.....	318	187	209	.....	26	51	327	234	54	10	12	.....	.....	
		1913	787	57.7	.142	8.20	325	232	230	11	60	315	279	75	14	32	1		
18 establishments		1913	801	57.4	.142	8.17	.....	.....	373	198	230	.....	4	54	331	285	73	21	33	.....	.....	
		1914	785	56.2	.143	8.05	3	.....	456	158	108	.....	3	49	304	303	92	23	11	.....	.....	
21 establishments		1914	920	56.0	.146	8.19	3	.....	591	158	168	.....	3	49	311	376	128	36	17	.....	.....	
		1916	867	55.7	.175	9.76	3	630	164	64	0	14	37	154	260	281	119	1	1		
24 establishments		1916	959	55.8	.176	9.83	3	678	164	108	6	14	37	156	312	305	133	1	1		
		1918	892	54.7	.263	14.39	72	654	85	62	19	1	4	33	286	433	129	6	
Laborers, dyehouse, male:																								
20 establishments		1911	1,229	57.7	.144	8.32	415	575	230	9	5	56	369	577	202	13.	7		
		1912	1,268	57.2	.153	8.75	.....	.....	419	649	200	.....	.....	40	157	550	486	25	10	.....	.....	
27 establishments		1912	1,179	57.4	.154	8.83	.....	.....	335	649	195	.....	.....	24	163	497	465	22	11	.....	.....	
		1913	1,120	57.4	.153	8.77	339	575	206	3	27	210	408	443	25	4		
33 establishments		1913	1,167	57.5	.149	8.56	.....	.....	333	513	321	.....	3	99	208	408	429	21	1	.....	.....	
		1914	1,267	56.1	.153	8.55	2	822	154	289	6	11	209	437	403	96	7	2		
33 establishments		1914	1,275	56.0	.153	8.57	2	858	154	261	6	8	97	195	427	438	95	7	2		
		1916	1,214	56.3	.174	9.76	767	156	239	32	9	4	105	50	135	240	427	248	2		

TABLE E.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK; AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, IN THE UNITED STATES, BY YEARS, 1911 TO 1918—Concluded.

FINISHING—Concluded.

Occupation, sex, and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—														
						Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.	
Calender tenders, male:																										
20 establishments	1911	412	57.9	\$0.149	\$8.61				118	201	93															
	1912	409	57.8	.151	8.73				123	201	85			17	79	213	100		2	1						
20 establishments	1912	422	58.1	.150	8.72				101	201	120				29	65	195	124	5	4						
	1913	395	57.8	.153	8.85				110	193	92				60	204	114	15	2							
19 establishments	1913	344	57.7	.156	8.98				115	137	92				36	172	112	22	2							
	1914	359	56.7	.161	9.12				185	61	113				34	101	185	28	10	1						
10 establishments	1914	359	56.7	.161	9.12				185	61	113				34	101	185	28	10	1						
	1916	326	55.9	.192	10.73				225	58	43				13	15	66	108	115	7	2					
23 establishments	1916	363	56.0	.195	10.88				246	58	59				13	15	66	114	146	7	2					
	1918	308	55.3	.279	15.40				255	36	17						1		70	145	88	4				
Folders, male:																										
19 establishments	1911	268	57.4	.230	13.16				158	38	72				2	28	13	46	94	58	27					
	1912	277	57.2	.246	14.06				150	68	59					28	7	27	65	108	36	4	2			
19 establishments	1912	276	57.7	.243	13.99				120	68	88					28		7	26	82	91	36	4	2		
	1913	250	57.1	.250	14.20				145	34	71						21	12	95	99	33					
19 establishments	1913	266	56.8	.247	13.95				167	28	71							11	12	111	99	33				
	1914	255	56.0	.273	15.18				168	22	65					3	8	8	9	61	70	99	5			
20 establishments	1914	280	55.7	.272	15.05				199	22	49					3	8	9	66	70	99	5				
	1916	300	54.8	.305	16.72				271	20	9					4	1	4	74	34	166	16	1			
24 establishments	1916	361	54.9	.303	16.57				327	20	14								4	2	4	87	50	197	16	1
	1918	360	54.3	.427	23.14				356		4								18	27	93	173	28	21		

TABLE F.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN EACH STATE, BY YEARS, 1916 AND 1918—Continued.

State and number of establishments.	Year.	Number of employes.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—																		
						Under 48.	48.	Over 48 and under 54.	54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.					
ENGRAVERS: Male.																														
Massachusetts: 3 establishments.....	1916	68	53.1	\$0.528	\$27.88	1	.....	30	37																				
	1918	52	53.2	.738	39.20	1	.....	16	36													2	16	46	4				
Rhode Island: 4 establishments.....	1916	19	54.5	.509	27.70		.....		19																				
	1918	21	54.0	.720	38.75		.....	10	10	1													8	11	19				
Other States: 4 establishments.....	1916	25	53.1	.561	29.85		19	16															2	25	8				
	1918	42	52.7	.673	35.53		.....	27	15														3	8	33				
Total: 11 establishments.....	1916	122	53.3	.533	28.42	1	49	72															2	26	82	12			
	1918	115	53.2	.711	37.78	1	53	60	1														5	6	104				
PRINTERS: Male.																														
Connecticut: 2 establishments.....	1916	18	54.0	\$0.628	\$33.89			18																5	13				
	1918	18	54.0	.797	43.07			18																1	17				
Massachusetts: 2 establishments.....	1916	82	55.6	.515	28.41			53	29														4	10	3	15	41		
	1918	69	54.2	.833	45.19			69															1	1	4	64			
Rhode Island: 4 establishments.....	1916	37	54.5	.589	32.05			37																	33	4			
	1918	28	54.7	.803	43.93			28																	1	27			
Other States: 4 establishments.....	1916	39	55.4	.563	31.14			36		3														1	1	2	26	9	
	1918	27	55.0	.698	38.40			27																1	1	2	23		
Total: 13 establishments.....	1916	176	55.1	.553	30.34			144	29	3															5	20	5	79	67
	1918	142	54.5	.797	43.38			142																	1	2	8	131	

TABLE F.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS IN EACH STATE, BY YEARS, 1916 AND 1918—Concluded.

State and number of establishments.	Year.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—										
						Under 48.	Over 48 and under 54	54 and under 57.	57 and under 60.	60.	Over 60.	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 60 cts.	60 cts. and over.
KNOTTERS: Female.																						
Massachusetts:																						
5 establishments.....	1916	105	54.0	\$0.144	\$7.75			105						4	33	65		3				
	1918	94	54.0	.207	11.17			94										30	2	62		
New York:																						
2 establishments.....	1916	53	54.0	.140	7.56			53							46			2	1	3	1	
	1918	51	54.0	.190	10.26			51										20	22	1	8	
Rhode Island:																						
7 establishments.....	1916	127	54.0	.143	7.74			127						30	61	5		11	7	12	1	
	1918	84	53.2	.216	11.61	7		77							7			17	18	19	15	
Other States:																						
8 establishments.....	1916	66	55.9	.128	7.17			49	8	9				25	25	6		9	1			
	1918	63	54.6	.212	11.57			63							5			4	18	26	7	
Total:																						
23 establishments.....	1916	351	54.4	.140	7.61			334	8	9				59	165	76		9	15	2		
	1918	292	53.9	.208	11.19	7		285							5	7		25	60	108	30	

OTHER EMPLOYEES: Male.

Connecticut:																					
2 establishments.....	1916	746	59.8	\$0.198	\$11.83	24	1	42	42	612	25				4	15	187	340	107	40	45
	1918	760	57.9	.260	16.76	8	7	3	328	301	24							1	40	555	94
Massachusetts:																					
6 establishments.....	1916	2,821	55.8	.197	10.94	20	35	1,738	950	11	61		7	29	280	452	598	628	464	174	135
	1918	3,046	55.8	.282	15.68	34	2	43	2,033	165	108			1	5	12	49	58	765	1,384	537
New Hampshire:																					
3 establishments.....	1916	404	55.8	.217	12.14				382		21				2	22	108	41	158	38	29
	1918	408	54.9	.334	18.30				393	1	14							1	21	120	205

TABLE G.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, AND EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918.
FINISHING.

State.	Piece workers or time workers.	Number of establishments.	Number of employes.	Average full-time hours per week.	Average earnings per hour.	Average full-time weekly earnings.	Employees whose full-time hours per week were—						Employees whose earnings per hour were—												
							Under 51.	51 and under 54.	54.	Over 54 and under 57.	57 and under 60.	60.	Over 60.	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 and under 60 cts.	60 cts. and over.
LABORERS, BLEACH HOUSE: Male.																									
Connecticut.....	Time..	2	81	56.6	\$0.259	\$14.64	11		27		41	2					14	67							
Massachusetts.....	Time..	5	322	54.3	.254	13.75	59	150	14	85	14						29	116	138	89					
New Hampshire.....	Piece..	1	1	54.0	.322	17.39			1																
	Time..	3	98	54.0	.284	15.31			98								8		81	9					
	Total..	3	99	54.0	.284	15.33			99								8		81	10					
New Jersey.....	Time..	2	32	55.7	.245	13.62			32									82							
New York.....	Time..	3	85	54.8	.247	13.52			17	68							2	37	42	4					
Rhode Island.....	Time..	7	218	54.4	.271	14.73	2		190	23		3					1	2	69	97	46	3			
Other States.....	Time..	2	55	56.3	.296	16.50			34		21	1					3		8	30	8				
All States.....	Piece..	1	1	54.0	.322	17.39			1																
	Time..	24	891	54.7	.263	14.89	72	489	164	85	62	19	1				4	33	286	433	128	6			
	Total..	24	892	54.7	.263	14.89	72	490	164	85	62	19	1				4	33	286	433	129	6			
LABORERS, DYEHOUSE: Male.																									
Connecticut.....	Time..	3	95	57.3	\$0.263	\$15.06			52	43								1	92	2					
Massachusetts.....	Time..	9	481	55.4	.272	15.02	2	205	69	145								169	187	125					
New Hampshire.....	Piece..	1	58	54.2	.400	21.66			48	10									1	1	25	31			
	Time..	3	381	54.9	.304	16.70			321		60									211	170				
	Total..	3	439	54.8	.317	17.25			369	10	60							1	212	195	31				

TABLE H.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918.

**FINISHING.
ONE-WEEK PAY ROLLS.**

State.	Piece workers or time workers.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours worked per employee during one week.	Average full-time weekly earnings.	Average amount earned per employee during one week.	Employees working each classified per cent of full time during one week.											Employees earning each classified amount during one week.										
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$3.	\$3 and under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$7.	\$7 and under \$8.	\$8 and under \$9.	\$9 and under \$10.	\$10 and under \$11.	\$11 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$18.	\$18 and under \$20.	\$20 and under \$25.	\$25 and over.

LABORERS, BLEACH HOUSE: Male.

Connecticut.....	Time..	2	81	56.6	52.5	\$14.64	\$13.65	2	4	2	37	20	16	2	1	1	1	1	1	1	1	1	2	7	9	9	34	7	3	3
Massachusetts.....	Time..	5	322	54.3	55.0	13.75	14.10	5	4	13	47	72	181	5	1	2	3	1	7	25	25	9	13	37	81	76	19	14	.....	5
New Jersey.....	Time..	2	32	55.7	54.4	13.62	13.35	.....	1	.....	13	1	17	.....	1	.....	.....	.....	.....	.....	.....	1	4	6	3	15	1	1	.....	.....
New York.....	Time..	3	85	54.8	52.1	13.52	12.98	3	1	6	33	13	29	3	1	.....	.....	2	1	2	4	3	48	8	6	2	5	.....	.....	14
Rhode Island.....	Time..	7	218	54.4	50.9	14.73	14.18	10	15	15	64	26	88	11	2	5	2	4	4	5	9	19	18	37	35	22	13	18	.....	14
Other States.....	Time..	2	83	54.0	56.9	16.64	17.47	1	1	4	30	47	1	1	4	14	33	10	19	1
Total..		21	821	54.6	53.5	14.36	14.27	21	25	37	198	162	378	21	6	8	7	5	14	31	39	43	50	138	187	145	48	69	20		

LABORERS, DYEHOUSE: Male.

Connecticut.....	Time..	3	95	57.3	57.6	\$15.06	\$15.19	5	5	3	20	12	50	5	.....	1	.....	1	3	1	.....	1	3	6	27	23	18	6	.....	.....
Massachusetts.....	Time..	9	481	55.4	57.2	15.02	15.50	16	16	26	34	47	342	11	6	5	2	1	9	7	6	4	3	18	60	73	146	91	40
New Jersey.....	Piece..	1	2	56.0	56.0	15.79	15.79	2	2
	Time..	2	59	55.8	52.2	14.17	13.33	.....	5	4	9	13	28	.....	3	1	1	.....	.....	3	1	.....	6	7	33	3	.....	1	.....	.....
Total..		2	61	55.8	52.4	14.22	13.41	.....	5	4	9	15	28	.....	3	1	1	.....	.....	3	1	.....	6	7	35	3	.....	1	.....	.....

TABLE H.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS BY STATES, 1918—Continued.

**FINISHING—Continued.
TWO-WEEK PAY ROLLS.**

State.	Piece workers or time workers.	Number of establishments.	Number of employees.	Average full-time hours per week of establishments.	Average hours worked per employee during two weeks.	Average full-time bi-weekly earnings.	Average amount earned per employee during two weeks.	Employees working each classified per cent of full time during two weeks.						Employees earning each classified amount during two weeks.																	
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	100.	Over 100.	Under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$8.	\$8 and under \$10.	\$10 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$20.	\$20 and under \$25.	\$25 and under \$30.	\$30 and under \$40.	\$40 and under \$50.	\$50 and under \$60.	\$60 and under \$70.	\$70 and over.		
LABORERS, BLEACH HOUSE: Male.																															
All States.....	Piece Time..	1	1	108.0	95.2	\$34.78	\$30.62				1																				
	Total..	3	71	111.5	109.2	29.42	29.34				5	2	18	18	28					2	2	2			2	1	6	21	25	9	
LABORERS, DYEHOUSE: Male.																															
New Hampshire.....	Time..	2	377	109.9	108.8	\$33.42	\$33.18	6	7	19	49	167	129		2			5	1			3	2	11	12	31	271	35	3	1	
North Carolina.....	Time..	4	71	120.0	98.4	21.16	17.77	5	8	8	25	2	23	5				4	4	3	3	1	3	16	21	10					
Other States.....	Time..	2	31	120.0	110.5	21.90	20.10		1	7	3	7	13					1	2	3	1	11	9	2	1	1	1	1			
	Total..	8	479	112.1	107.3	30.86	30.05	11	16	34	77	176	165	5	2	4	9	5	5	7	6	38	42	43	273	36	3	1			

LABORERS, COLOR MIXING: Male.

All States.....	Time..	2	15	119.6	111.8	\$37.02	\$35.21	1	7	7	1	2	3	3	5	1
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ENGRAVERS: Male.

All States.....	Time..	1	12	102.5	103.2	\$60.01	\$60.39	4	6	2	2	2	7	1
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PRINTERS: Male.

All States.....	Time..	1	9	110.0	81.8	\$69.96	\$52.01	2	7	2	4	3
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CALENDER TENDERS: Male.

All States.....	Time..	3	15	111.2	114.1	\$33.53	\$34.44	1	2	12	1	13	1
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FOLDERS: Male.

New Hampshire.....	Piece..	1	10	108.0	101.8	\$43.16	\$40.62	8	2	5	5	5	5	4	1
	Time..	2	32	108.0	109.4	\$39.47	\$39.87	1	19	7	7	11	4	1	
	Total..	2	42	108.0	107.6	40.35	40.05	1	13	21	7	14	16	4	1
Other States.....	Time..	1	12	109.5	106.5	40.32	39.25	6	6	6	6	6	6		
All States.....	Piece..	1	10	108.0	101.8	\$43.16	\$40.62	8	2	5	5	5	5	4	1
	Time..	3	44	108.4	108.6	\$39.70	\$39.70	1	11	25	7	15	17	4	1
	Total..	3	54	108.3	107.3	40.34	39.87	1	19	27	7	20	22	4	1

KNOTTERS: Female.

All States.....	Piece..	2	13	108.0	96.9	\$27.38	\$24.20	1	11	1	9	4			
	Time..	3	13	108.0	103.9	21.96	21.16	1	8	5	6	8	1		
	Total..	3	26	108.0	100.4	24.67	22.88	1	19	6	6	13	5		

TABLE H.—AVERAGE FULL-TIME HOURS, HOURS ACTUALLY WORKED, FULL-TIME WEEKLY EARNINGS AND AMOUNTS ACTUALLY EARNED, AND NUMBER OF EMPLOYEES WORKING EACH CLASSIFIED PER CENT OF FULL TIME AND EARNING EACH CLASSIFIED AMOUNT DURING ONE PAY-ROLL PERIOD, FOR PIECE WORKERS AND TIME WORKERS, BY STATES, 1918—Concluded.

FINISHING—Concluded.

TWO-WEEK PAY ROLLS—Concluded.

State.	Piece workers or time workers.	Number of establishments.	Number of employees.	Average full-time hours per two weeks of establishments.	Average hours worked per employee during two weeks.	Average full-time bi-weekly earnings.	Average amount earned per employee during two weeks.	Employees working each classified per cent of full time during two weeks.					Employees earning each classified amount during two weeks.															
								Under 25.	25 and under 50.	50 and under 75.	75 and under 100.	Over 100.	Under \$4.	\$4 and under \$5.	\$5 and under \$6.	\$6 and under \$8.	\$8 and under \$10.	\$10 and under \$12.	\$12 and under \$14.	\$14 and under \$16.	\$16 and under \$20.	\$20 and under \$25.	\$25 and under \$30.	\$30 and under \$40.	\$40 and under \$50.	\$50 and under \$60.	\$60 and under \$70.	\$70 and over.

OTHER EMPLOYEES: Male.

New Hampshire.....	Piece..	1	4	108.0	87.0	\$40.58	\$32.23	4	6	1	2	1	134	2	1	2	1	2	6	3	11	14	38	60	69	37	11	4	
	Time..	2	248	110.8	110.8	37.27	37.77	27	22	21	59	1	90	15	4	2	8	6	7	6	9	13	39	39	72	28	12	9	1
Other States.....	Piece..	1	4	120.0	115.5	35.43	34.08	27	22	21	59	1	90	15	4	2	8	6	7	6	9	13	39	39	72	28	12	9	1
	Time..	1	270	122.2	104.6	32.06	28.23	27	22	21	59	1	90	15	4	2	8	6	7	6	9	13	39	39	72	28	12	9	1
All States.....	Piece..	2	8	114.0	101.3	38.01	33.18	81	28	43	1	5	2	17	4	3	10	7	9	12	12	24	1	1	129	87	49	20	5
	Time..	3	518	116.7	107.6	34.56	32.80	81	28	44	86	113	224	17	4	3	10	7	9	12	12	24	54	78	135	87	49	20	5
	Total..	3	526	116.7	107.5	34.61	32.80	81	28	44	86	113	224	17	4	3	10	7	9	12	12	24	54	78	135	87	49	20	5

