

**UNITED STATES DEPARTMENT OF LABOR**

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**BUREAU OF LABOR STATISTICS**

ETHELBERT STEWART, Commissioner

BULLETIN OF THE UNITED STATES }  
BUREAU OF LABOR STATISTICS } . . . . No. 539

WAGES AND HOURS OF LABOR SERIES

**WAGES AND HOURS OF LABOR IN  
COTTON-GOODS MANUFACTURING  
1910 TO 1930**



JUNE, 1931

UNITED STATES  
GOVERNMENT PRINTING OFFICE  
WASHINGTON : 1931

For sale by the Superintendent of Documents, Washington, D. C. - - - Price 10 cents



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

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## WAGES AND HOURS OF LABOR IN COTTON-GOODS MANUFACTURING, 1910 TO 1930

This bulletin reports the results of a study made in 1930 by the Bureau of Labor Statistics of hours and earnings of wage earners in the cotton-goods manufacturing industry in the United States, and also summary figures for studies in each of the years from 1910 to 1914 and in each of the even-numbered years from 1916 to 1928. Studies were not made in the odd years, 1915 to 1929.

### AVERAGE HOURS AND EARNINGS, 1910 TO 1930

Summaries of average full-time hours per week, earnings per hour, and full-time earnings per week for 1930 and for each of the specified years from 1910 to 1928 are presented in Table 1. Industry averages and index numbers of the same, with the 1913 average as the base or 100 per cent, are given at the beginning of the table and are followed by like figures for the wage earners in each of the important occupations in the industry and also for the group of "other employees," which includes wage earners in all occupations other than those referred to as important occupations.

Full-time hours for the industry, or the 90,053 wage earners included in the 1930 study, averaged 53.4 per week or the same as for the 88,006 covered in 1928. Earnings per hour averaged 32.5 cents in 1930 and 32.4 cents in 1928, and full-time earnings per week for the industry averaged \$17.36 in 1930 and \$17.30 in 1928.

The industry averages for the years from 1910 to 1914 are a combination of the figures of the wage earners in the *selected occupations* only and are comparable one year with another. Those for the specified years from 1914 to 1930 are for the wage earners in *all occupations* in the industry and are also comparable one year with another, but should not be compared with the 1910 to 1914 averages for the wage earners in the *selected occupations*.

The index numbers are for the purpose of having continuous and comparable figures one year with another over the entire period from 1910 to 1930. The indexes for the years 1910 to 1914 for *selected occupations* are simple percentages. Those for *all occupations* for 1916 and each of the specified succeeding years to 1930 were computed by increasing or decreasing the 1914 index for *selected occupations* in proportion to the increase or decrease in the averages for *all occupations* as between 1914 and the specified succeeding years. Indexes are also shown for each of the occupations in the table for which 1913 averages are available, the average for that year being the base or 100 per cent.

Average full-time hours per week for the industry decreased from an index of 102.1 in 1910 to 98.4 in 1914; increased to 98.6 in 1916 and to 97.0 in 1918; dropped to 89.7 in 1920—a decrease in the two years of 7.5 per cent. There was then a gradual increase from year to year to 92.5 in 1928 and 1930. Average earnings per hour increased from an index of 87.5 in 1910 to 323.5 in 1920, the year of short hours and peak earnings; decreased to 222.4 in 1922, a drop of 31.3 per cent in the two years; increased to 250.7 in 1924; decreased to 221.0 in 1926 and to 218.3 in 1928. The index then increased to 219.0 in 1930. Average full-time earnings per week did not increase or decrease in the same proportion as average earnings per hour because of the change from year to year in average full-time hours.

By occupations, average full-time hours of males in 1930 ranged from 48.5 for mule spinners to 55.5 for frame spinners, and of females ranged from 49.8 for drawing-in machine tenders to 53.9 for creelers. In 1928 average full-time hours of males ranged from 48.3 for mule spinners to 57.8 for frame spinners, and of females ranged from 49.6 for slubber tenders to 54.0 for creelers.

By occupations, average earnings per hour of males in 1930 ranged from 21 cents for spooler tenders to 67.4 cents for mule spinners, and of females ranged from 24.8 cents for trimmers or inspectors to 40.8 cents for drawing-in machine tenders. In 1928 averages of males ranged from 22.4 cents for spooler tenders to 62.7 cents for mule spinners, and of females ranged from 23.9 cents for creelers to 44.2 cents for beamer tenders.

By occupations, average full-time earnings per week of males in 1930 ranged from \$11.61 for spooler tenders to \$32.69 for mule spinners, and of females ranged from \$13.04 for trimmers or inspectors to \$20.32 for drawing-in machine tenders. In 1928 averages of males ranged from \$12.30 for spooler tenders to \$30.28 for mule spinners, and of females from \$12.72 for trimmers or inspectors to \$22.67 for beamer tenders.

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

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
Selected occupations.....	1910	59	20,725	58.5	\$0.140	\$8.16	102.1	87.5	89.5
	1911	88	34,397	58.4	.144	8.36	101.9	90.0	91.7
	1912	88	35,941	57.4	.158	9.00	100.2	98.8	98.7
	1913	88	36,498	57.3	.160	9.12	100.0	100.0	100.0
	<sup>1</sup> 1914	90	36,578	56.4	.165	9.24	98.4	103.1	101.3
All occupations.....	<sup>1</sup> 1914	90	78,582	56.8	.153	8.63			
	1916	106	85,233	56.9	.179	10.08	98.6	120.6	118.3
	1918	106	81,121	56.0	.267	14.95	97.0	179.9	175.5
	1920	96	59,548	51.8	.480	24.86	89.7	323.5	291.8
	1922	97	62,833	52.8	.330	17.42	91.5	222.4	204.5
	1924	114	77,995	53.0	.372	19.72	91.8	250.7	231.5
	1926	151	82,982	53.3	.323	17.48	92.3	221.0	205.2
	1928	138	88,006	53.4	.324	17.30	92.5	213.3	203.1
	1930	162	90,058	53.4	.325	17.36	92.5	219.0	203.8

<sup>1</sup> Two sets of averages are shown for 1914 for the industry; one for *selected occupations* and the other for *all occupations* in the industry. The 1910 to 1914 figures for selected occupations only are comparable one year with another, as are those for all occupations one year with another from 1914 to 1930.

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

BY OCCUPATIONS

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Picker tenders:</b>									
Male.....	1920	93	919	52.3	\$0.436	\$22.80			
	1922	95	777	53.1	.305	16.20			
	1924	114	1,048	53.6	.331	17.74			
	1926	161	964	54.1	.297	16.07			
	1928	157	1,171	54.5	.282	15.37			
	1930	160	1,005	53.8	.284	15.28			
<b>Card tenders and strippers:</b>									
Male.....	1920	96	1,156	52.9	.471	24.92			
	1922	96	1,096	53.5	.325	17.39			
	1924	114	1,367	53.6	.356	19.08			
	1926	151	1,044	54.1	.322	17.42			
	1928	157	1,757	54.2	.314	17.02			
	1930	160	1,742	53.8	.314	16.89			
<b>Card grinders:</b>									
Male.....	1920	92	355	52.5	.590	30.98			
	1922	94	332	52.9	.424	22.43			
	1924	111	418	52.9	.470	24.86			
	1926	147	475	53.7	.414	22.23			
	1928	149	507	53.9	.407	21.94			
	1930	155	542	53.7	.403	21.64			
<b>Drawing-frame tenders:</b>									
Male.....	1910	56	436	59.5	.096	5.70	102.6	88.1	90.3
	1911	84	750	59.5	.097	5.73	102.6	89.0	90.8
	1912	84	723	57.9	.108	6.22	99.8	99.1	98.6
	1913	82	624	58.0	.109	6.31	100.0	100.0	100.0
	1914	76	660	57.9	.116	6.66	99.8	106.4	105.5
	1916	82	681	58.4	.126	7.32	100.7	115.6	114.0
	1918	84	515	57.3	.199	11.37	98.8	182.6	180.2
	1920	75	567	54.1	.427	23.10	93.3	391.7	366.1
	1922	79	552	53.8	.270	14.53	92.8	247.7	230.3
	1924	96	762	54.9	.295	16.20	94.7	270.6	266.7
	1926	123	822	55.0	.279	15.35	94.8	256.0	243.3
	1928	135	987	54.9	.282	15.48	94.7	258.7	245.3
	1930	140	916	54.3	.280	15.20	93.6	256.9	246.9
Female.....	1910	27	359	58.2	.090	5.20	102.6	78.3	80.0
	1911	45	502	57.8	.095	5.46	101.9	82.6	84.0
	1912	45	525	57.0	.110	6.23	100.5	95.7	95.8
	1913	32	594	56.7	.115	6.50	100.0	100.0	100.0
	1914	32	574	55.5	.118	6.51	97.9	102.6	100.2
	1916	43	660	55.6	.136	7.53	98.1	118.3	115.8
	1918	55	818	54.8	.209	11.40	96.6	181.7	175.4
	1920	52	693	50.5	.371	18.74	89.1	322.6	288.3
	1922	49	623	51.5	.276	14.21	90.8	240.0	218.6
	1924	55	653	51.3	.311	15.95	90.5	270.4	245.4
	1926	68	682	51.9	.281	14.58	91.5	244.3	224.3
	1928	58	667	52.5	.272	14.23	92.6	236.5	219.7
	1930	62	595	52.6	.278	14.62	92.3	241.7	224.9
<b>Slubber tenders:</b>									
Male.....	1916	100	834	57.5	.192	11.21			
	1918	103	766	56.7	.307	17.22			
	1920	92	695	53.0	.551	29.20			
	1922	92	689	53.5	.390	20.87			
	1924	112	859	53.5	.421	22.52			
	1926	148	1,091	54.3	.377	20.47			
	1928	155	1,104	54.5	.365	19.89			
	1930	169	1,106	54.1	.365	19.75			
Female.....	1916	13	60	54.2	.188	10.18			
	1918	17	74	54.1	.257	13.89			
	1920	11	52	49.0	.499	24.45			
	1922	15	73	50.1	.388	19.44			
	1924	9	37	50.8	.448	22.76			
	1926	11	52	50.1	.398	19.94			
	1928	11	42	49.6	.403	19.90			
	1930	12	25	50.7	.390	19.77			

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

## BY OCCUPATIONS—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Speeder tenders:</b>									
<b>Male</b> .....	1910	32	426	61.4	\$0.131	\$3.03	102.7	90.3	92.1
	1911	62	623	61.2	.135	8.24	102.3	93.1	94.5
	1912	62	666	59.7	.142	8.47	99.8	97.9	97.1
	1913	61	745	59.8	.145	8.72	100.0	100.0	100.0
	1914	58	799	59.3	.153	9.04	99.2	105.5	103.7
	1916	95	1,739	58.5	.174	10.13	97.8	120.0	116.2
	1918	98	1,478	58.2	.265	15.28	97.3	182.8	175.2
	1920	87	1,506	54.2	.533	28.89	90.6	367.6	331.3
	1922	90	1,745	54.1	.358	19.37	90.5	246.9	222.1
	1924	109	2,177	54.3	.394	21.39	90.8	271.7	245.3
	1926	139	2,545	55.1	.343	18.90	92.1	236.6	216.7
	1928	147	2,913	55.1	.345	19.01	92.1	237.9	218.0
	1930	152	2,989	54.8	.343	18.80	91.6	236.6	215.6
<b>Female</b> .....	1910	57	1,175	57.8	.133	7.68	102.3	86.9	89.2
	1911	82	1,753	57.9	.136	7.86	102.5	88.9	91.3
	1912	82	1,784	56.6	.149	8.42	100.2	97.4	97.8
	1913	79	1,946	56.5	.153	8.61	100.0	100.0	100.0
	1914	79	2,001	55.8	.155	8.61	98.8	101.3	100.0
	1916	95	2,986	55.6	.188	10.38	98.4	122.9	120.6
	1918	100	3,214	55.0	.277	15.10	97.3	181.0	175.4
	1920	82	2,476	50.2	.486	24.40	88.8	317.6	283.4
	1922	89	2,372	51.0	.369	18.82	90.3	241.2	218.6
	1924	105	2,703	51.2	.411	21.04	90.6	268.6	244.4
	1926	124	2,950	51.0	.368	18.77	90.3	240.5	218.0
	1928	127	2,995	51.2	.359	18.38	90.6	234.6	213.5
	1930	133	2,971	51.3	.349	17.90	90.8	228.1	207.9
<b>Spinners, mule:</b>									
<b>Male</b> .....	1910	14	222	57.0	.219	12.50	102.5	77.9	80.2
	1911	16	238	56.8	.255	14.44	102.2	90.7	92.7
	1912	16	266	55.7	.279	15.48	100.2	99.3	99.4
	1913	16	258	55.6	.281	15.58	100.0	100.0	100.0
	1914	14	245	54.9	.291	15.95	98.7	103.6	102.4
	1916	17	334	54.7	.345	18.85	98.4	122.8	121.0
	1918	17	303	54.3	.487	26.40	97.7	173.3	168.4
	1920	14	253	48.9	.826	40.39	87.9	204.0	259.2
	1922	11	220	50.0	.638	31.90	89.9	227.0	204.7
	1924	8	186	49.1	.746	36.63	88.3	265.5	235.1
	1926	8	200	48.4	.656	31.75	87.1	233.5	203.8
	1928	13	316	48.3	.627	30.28	86.9	223.1	194.4
	1930	8	163	48.5	.674	32.69	87.2	239.9	209.8
<b>Spinners, frame:</b>									
<b>Male</b> .....	1910	36	261	57.2	.120	6.83	100.5	83.9	84.6
	1911	46	700	57.2	.126	7.18	100.5	88.1	89.0
	1912	49	564	56.7	.144	8.14	99.6	100.7	100.9
	1913	49	530	56.9	.143	8.07	100.0	100.0	100.0
	1914	38	483	54.7	.150	8.19	96.1	104.9	101.5
	1916	41	489	56.6	.164	9.21	99.5	114.7	114.1
	1918	53	383	54.3	.248	13.48	95.4	173.4	167.0
	1920	34	345	50.7	.475	24.08	89.1	332.2	298.4
	1922	49	547	53.4	.292	15.59	93.8	204.2	193.2
	1924	64	906	53.2	.369	19.63	93.5	258.0	243.2
	1926	54	561	55.1	.289	15.92	96.8	202.1	197.3
	1928	43	487	57.8	.339	19.59	101.6	237.1	242.8
	1930	48	623	55.5	.322	17.87	97.5	225.2	221.4
<b>Female</b> .....	1910	59	3,704	59.0	.108	6.33	102.1	84.4	86.4
	1911	88	5,981	59.1	.111	6.51	102.2	86.7	88.8
	1912	88	6,364	58.0	.124	6.98	100.3	96.9	95.2
	1913	90	6,762	57.8	.128	7.33	100.0	100.0	100.0
	1914	90	6,906	56.9	.132	7.45	98.4	103.1	101.6
	1916	104	7,706	57.2	.149	8.24	99.0	116.4	112.4
	1918	105	7,752	56.1	.233	12.89	97.1	182.0	175.9
	1920	95	6,330	51.8	.427	22.12	89.6	333.6	301.8
	1922	96	6,634	52.6	.301	15.83	91.0	235.2	216.0
	1924	114	8,314	53.1	.319	16.94	91.9	249.2	231.1
	1926	151	9,684	53.5	.282	15.09	92.6	269.3	205.9
	1928	158	10,418	52.9	.276	14.60	91.5	215.6	199.2
	1930	162	10,420	53.5	.266	14.23	92.6	207.8	194.1



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

## BY OCCUPATIONS—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Doffers:</b>									
<b>Male</b> .....									
	1916	99	3,206	57.6	\$0.139	\$8.15			
	1918	102	2,857	56.1	.231	12.87			
	1920	89	2,717	53.1	.453	24.06			
	1922	91	2,716	53.5	.302	16.16			
	1924	109	3,133	54.0	.334	18.04			
	1926	146	3,657	54.2	.307	16.64			
	1928	164	3,945	54.6	.311	16.98			
	1930	168	4,114	54.1	.316	17.04			
<b>Female</b> .....									
	1916	19	537	55.0	.162	8.92			
	1918	26	703	52.6	.255	13.46			
	1920	21	543	49.8	.389	19.37			
	1922	28	460	50.9	.324	16.49			
	1924	37	478	50.9	.380	19.34			
	1926	32	502	51.4	.344	17.68			
	1928	23	392	51.4	.325	16.71			
	1930	28	320	51.5	.313	16.12			
<b>Spooler tenders:</b>									
<b>Male</b> .....									
	1924	8	37	55.0	.192	10.56			
	1926	6	24	59.2	.190	11.25			
	1928	8	16	54.9	.224	12.30			
	1930	8	23	55.3	.210	11.61			
<b>Female</b> .....									
	1916	104	3,662	57.2	.137	7.73			
	1918	105	3,759	56.2	.207	11.46			
	1920	95	3,010	52.2	.386	20.15			
	1922	95	3,091	52.9	.264	13.91			
	1924	113	3,646	53.3	.285	15.19			
	1926	151	4,136	53.6	.246	13.19			
	1928	158	4,617	53.7	.243	13.05			
	1930	161	4,454	53.5	.251	13.43			
<b>Creeplers:</b>									
<b>Male</b> .....									
	1920	9	27	54.8	.393	21.54			
	1922	13	30	55.6	.304	16.90			
	1924	21	59	55.5	.298	16.54			
	1926	21	49	55.1	.274	15.10			
	1928	19	65	55.2	.298	16.45			
	1930	39	100	55.2	.279	15.40			
<b>Female</b> .....									
	1920	62	428	52.6	.347	18.25			
	1922	74	417	52.6	.244	12.83			
	1924	84	543	53.0	.272	14.42			
	1926	117	640	53.7	.249	13.37			
	1928	126	718	54.0	.239	12.91			
	1930	105	541	53.9	.262	13.58			
<b>Warper tenders:</b>									
<b>Male</b> .....									
	1916	25	75	59.4	.176	10.41			
	1918	30	82	59.6	.243	14.48			
	1920	27	85	55.8	.525	29.30			
	1922	35	101	55.9	.353	19.73			
	1924	41	133	54.7	.388	21.22			
	1926	48	157	55.3	.348	19.24			
	1928	52	164	55.4	.332	18.39			
	1930	62	203	55.1	.354	19.51			
<b>Female</b> .....									
	1916	78	562	56.0	.182	10.15			
	1918	82	595	55.4	.259	14.20			
	1920	77	506	50.9	.460	23.41			
	1922	77	502	51.8	.348	18.03			
	1924	93	544	52.2	.391	20.41			
	1926	118	581	52.6	.347	18.25			
	1928	119	572	52.8	.329	17.37			
	1930	119	563	52.4	.328	17.19			

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

## BY OCCUPATIONS—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Beamer tenders:</b>									
Male.....	1916	22	328	56.0	\$.271	\$15.01			
	1918	24	280	56.3	.404	22.63			
	1920	21	246	50.9	.711	36.19			
	1922	26	313	50.9	.638	27.38			
	1924	27	331	51.7	.621	32.11			
	1926	43	269	53.0	.493	26.18			
	1928	46	270	54.7	.441	24.12			
	1930	30	208	54.6	.464	25.33			
Female.....	1916	5	91	54.8	.224	12.28			
	1918	7	113	54.1	.315	17.06			
	1920	5	100	48.3	.678	27.92			
	1922	5	85	51.5	.377	19.42			
	1924	7	108	51.9	.448	23.25			
	1926	5	32	49.8	.411	20.47			
	1928	6	31	51.3	.442	22.67			
	1930	5	36	53.3	.373	19.88			
<b>Slasher tenders:</b>									
Male.....	1910	57	276	53.4	.178	10.33	101.6	84.0	85.4
	1911	85	455	53.5	.194	11.26	101.7	91.5	93.1
	1912	85	449	57.4	.216	12.34	99.8	101.9	102.1
	1913	87	486	57.5	.212	12.09	100.0	100.0	100.0
	1914	87	528	56.8	.211	11.81	98.8	99.5	97.7
	1916	96	581	56.8	.241	13.48	98.8	113.7	111.5
	1918	99	608	56.5	.340	18.73	98.3	160.4	154.9
	1920	89	504	52.1	.679	30.17	90.6	273.1	249.5
	1922	92	547	52.7	.426	22.45	91.7	200.9	185.7
	1924	114	636	53.0	.467	24.75	92.2	220.3	204.7
	1926	146	761	53.3	.411	21.91	92.7	193.9	181.2
	1928	154	786	53.7	.396	21.27	93.4	186.8	175.9
	1930	155	827	53.6	.384	20.58	93.2	181.1	170.2
<b>Drawers-in, hand:</b>									
Male.....	1924	18	61	55.5	.339	18.81			
	1926	19	44	55.1	.330	18.18			
	1928	7	11	55.2	.299	16.50			
	1930	9	17	53.5	.320	17.12			
Female.....	1916	86	926	56.0	.191	10.47			
	1918	91	834	55.8	.273	15.00			
	1920	80	632	50.7	.485	24.59			
	1922	77	664	51.8	.352	18.23			
	1924	91	726	51.8	.383	19.84			
	1926	116	947	52.1	.357	18.60			
	1928	127	990	52.5	.359	18.85			
	1930	128	917	52.7	.352	18.55			
<b>Drawing-in machine tenders:</b>									
Male.....	1928	63	110	53.3	.441	23.51			
	1930	59	112	52.7	.444	23.40			
Female.....	1928	11	21	52.7	.414	21.82			
	1930	9	17	49.8	.408	20.32			
<b>Warp-tying machine tenders:</b>									
Male.....	1920	72	154	52.6	.590	31.03			
	1922	79	191	52.9	.425	22.48			
	1924	91	221	53.5	.452	24.18			
	1926	113	278	54.0	.422	22.79			
	1928	108	254	54.1	.407	22.02			
	1930	112	350	53.7	.412	22.12			
<b>Loom fixers:</b>									
Male.....	1910	59	1,267	58.7	.200	11.64	101.9	88.1	89.8
	1911	88	2,200	58.6	.203	11.80	101.7	89.4	91.0
	1912	88	2,290	57.7	.224	12.84	100.2	98.7	90.1
	1913	90	2,370	57.6	.227	12.96	100.0	100.0	100.0
	1914	90	2,491	56.8	.233	13.09	98.6	102.6	101.0
	1916	102	2,776	56.8	.270	15.17	98.6	118.9	117.1
	1918	103	2,709	56.4	.391	21.79	97.9	172.2	168.1
	1920	93	2,368	52.2	.685	35.76	90.6	301.8	275.9
	1922	95	2,456	52.9	.500	26.45	91.8	220.3	204.1
	1924	114	2,962	52.9	.553	29.25	91.8	243.6	225.7
	1926	151	3,329	53.5	.459	26.16	92.9	215.4	201.9
	1928	153	3,541	53.7	.482	25.88	93.2	212.3	199.7
	1930	158	3,700	53.5	.483	25.84	92.9	212.8	199.4

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

## BY OCCUPATIONS—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers (1913=100.0)		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
<b>Weavers:</b>									
<b>Male</b> -----									
	1910	88	5,334	58.8	\$0.151	\$3.83	102.1	88.8	90.8
	1911	88	8,855	58.6	.156	9.08	101.7	91.8	93.3
	1912	88	9,775	57.5	.169	9.67	99.8	99.4	99.4
	1913	89	9,485	57.6	.170	9.73	100.0	100.0	100.0
	1914	89	9,755	56.8	.176	9.93	98.6	103.5	102.1
	1916	100	10,279	56.7	.205	11.54	98.4	120.6	118.6
	1918	103	8,301	56.2	.301	16.78	97.6	177.1	172.5
	1920	93	6,077	51.8	.573	29.68	89.9	337.1	305.0
	1922	95	7,410	52.6	.389	20.44	91.3	228.8	210.1
	1924	114	9,024	52.8	.449	23.71	91.7	264.1	243.7
	1926	151	8,603	53.2	.396	21.07	92.4	232.9	216.5
	1928	168	10,326	53.4	.392	20.93	92.7	230.6	215.1
	1930	156	8,789	52.7	.400	21.08	91.5	235.3	216.6
<b>Female</b> -----									
	1910	59	6,334	57.8	.147	8.47	101.9	89.6	91.1
	1911	88	10,792	57.9	.148	8.54	102.1	90.2	91.8
	1912	88	10,998	56.9	.163	9.26	100.4	99.4	99.6
	1913	89	11,236	56.7	.164	9.30	100.0	100.0	100.0
	1914	89	11,188	55.8	.167	9.30	98.4	101.8	100.0
	1916	101	11,546	55.7	.201	11.12	98.2	122.6	119.6
	1918	103	10,993	55.4	.285	15.62	97.7	173.8	168.0
	1920	92	7,681	50.3	.528	26.56	88.7	322.0	285.6
	1922	95	7,644	51.6	.380	19.59	91.0	231.7	210.6
	1924	114	8,493	51.8	.429	22.22	91.4	261.6	238.9
	1926	151	7,596	51.9	.375	19.46	91.5	228.7	209.2
	1928	168	8,123	52.2	.371	19.37	92.1	226.2	208.3
	1930	155	6,653	52.0	.381	19.81	91.7	232.3	213.0
<b>Trimmers or inspectors:</b>									
<b>Male</b> -----									
	1920	22	76	53.4	.426	22.75	-----	-----	-----
	1922	28	78	54.3	.251	13.63	-----	-----	-----
	1924	36	158	55.3	.304	16.81	-----	-----	-----
	1926	45	190	53.0	.295	15.64	-----	-----	-----
	1928	50	201	54.7	.278	15.21	-----	-----	-----
	1930	59	248	54.0	.326	17.60	-----	-----	-----
<b>Female</b> -----									
	1910	46	408	58.3	.099	5.78	100.7	89.2	90.5
	1911	75	712	58.7	.103	6.02	101.4	92.8	94.2
	1912	77	708	57.7	.112	6.41	99.7	100.9	100.3
	1913	77	687	57.9	.111	6.39	100.0	100.0	100.0
	1914	74	720	57.2	.113	6.41	98.8	101.8	100.3
	1916	83	971	56.7	.129	7.25	97.9	116.2	113.5
	1918	87	1,175	55.6	.186	10.29	96.0	167.6	161.0
	1920	76	1,045	51.6	.333	17.18	89.1	300.0	268.9
	1922	78	1,056	52.5	.246	12.92	90.7	221.6	202.2
	1924	92	1,602	52.7	.268	14.12	91.0	241.4	221.0
	1926	132	1,932	52.6	.246	12.94	90.8	221.6	202.5
	1928	141	2,255	52.8	.241	12.72	91.2	217.1	199.1
	1930	133	1,995	52.6	.248	13.04	90.8	223.4	204.1
<b>Other employees:</b>									
<b>Male</b> -----									
	1914	88	29,861	57.5	.151	8.59	-----	-----	-----
	1916	105	27,395	57.7	.176	10.05	-----	-----	-----
	1918	106	25,740	56.8	.270	15.18	-----	-----	-----
	1920	96	13,336	52.6	.419	22.04	-----	-----	-----
	1922	97	14,991	53.9	.289	15.58	-----	-----	-----
	1924	114	20,573	53.7	.347	18.63	-----	-----	-----
	1926	151	21,328	53.8	.308	16.57	-----	-----	-----
	1928	158	20,930	53.7	.302	16.22	-----	-----	-----
	1930	162	25,516	53.8	.312	16.79	-----	-----	-----
<b>Female</b> -----									
	1914	88	12,143	56.3	.123	6.89	-----	-----	-----
	1916	101	5,913	55.7	.140	7.82	-----	-----	-----
	1918	102	6,350	54.4	.224	12.06	-----	-----	-----
	1920	94	4,685	51.1	.322	16.45	-----	-----	-----
	1922	96	4,421	51.8	.244	12.64	-----	-----	-----
	1924	110	5,062	51.9	.292	15.15	-----	-----	-----
	1926	149	6,369	53.1	.252	13.38	-----	-----	-----
	1928	187	6,304	52.5	.256	13.44	-----	-----	-----
	1930	161	7,303	53.3	.253	13.48	-----	-----	-----

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

Average hours and earnings are shown in Table 2 for wage earners covered in each State in 1928 and 1930. The averages are for each sex separately and also for both sexes combined, or the industry, in each State and year.

By States, average full-time hours per week of males ranged from 48.1 to 56.5 in 1930 and from 48.6 to 56.2 in 1928; of females ranged from 47.7 to 56.5 in 1930 and from 47.9 to 56.0 in 1928; and of males and females combined, or the industry, ranged from 47.9 to 56.5 in 1930, and from 48.5 to 56.1 in 1928. Averages of males in all States combined were 53.9 in 1928 and 53.7 in 1930, and of females were 52.9 in each year.

By States, average earnings per hour of males ranged from 27.9 to 49.2 cents in 1930 and from 26.5 to 45.5 cents in 1928; of females ranged from 21.7 to 40.0 cents in 1930 and from 21.6 to 38.1 cents in 1928; and both sexes combined, or the industry, ranged from 25.5 to 45 cents in 1930 and from 24.4 to 41.9 cents in 1928. Averages of males in all States combined were 34.6 cents in 1930 and 34.5 cents in 1928, and of females were 29.3 cents in 1930 and 29.6 cents in 1928.

By States, average full-time earnings per week of males ranged from \$15.43 to \$24.38 in 1930 and from \$14.58 to \$24.52 in 1928; of females from \$11.98 to \$20.12 in 1930 and from \$11.88 to \$20.31 in 1928; and of males and females combined, or the industry, ranged from \$14.10 to \$22.43 in 1930 and from \$13.42 to \$22.46 in 1928. Averages of males in all States combined were \$18.58 in 1930 and \$18.60 in 1928, and of females were \$15.50 in 1930 and \$15.66 in 1928. The greatest difference between the averages for males and for females in any State in 1930 was \$4.59 per week, and the smallest difference was \$2.85 per week. As shown in the table, the earnings in certain localities were less than in others. It was reported that the lower earnings were supplemented by lower charges for rental of homes and for fuel and by various forms of welfare work. No information was available as to the amount of the differential due to the items enumerated.

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

Sex and State	Number of establishments		Number of employees		Average full-time hours per week		Average earnings per hour		Average full-time earnings per week	
	1928	1930	1928	1930	1928	1930	1928	1930	1928	1930
<b>MALES</b>										
Alabama.....	6	6	3,185	3,611	55.0	55.3	\$0.265	\$0.279	\$14.58	\$15.43
Connecticut.....	6	5	1,645	1,692	50.9	50.8	.423	.417	21.53	21.18
Georgia.....	16	15	6,679	7,355	56.2	56.5	.281	.286	15.79	16.16
Maine.....	5	4	1,163	1,519	54.1	53.7	.370	.372	20.02	19.98
Massachusetts.....	23	24	9,223	8,443	49.7	49.0	.427	.431	21.22	21.12
New Hampshire.....	6	6	1,969	2,169	53.9	53.7	.455	.454	24.52	24.38
New York.....	3	3	945	1,184	48.6	48.1	.439	.492	21.34	23.77
North Carolina.....	52	55	12,561	13,318	55.8	55.0	.312	.322	17.41	17.71
Rhode Island.....	15	15	2,990	2,786	52.1	51.8	.443	.440	23.08	22.79
South Carolina.....	23	26	8,116	9,924	55.0	54.8	.281	.282	15.46	16.00
Virginia.....	3	3	1,385	1,252	55.2	54.7	.345	.307	19.04	16.79
<b>Total.....</b>	<b>158</b>	<b>162</b>	<b>49,861</b>	<b>53,243</b>	<b>53.9</b>	<b>53.7</b>	<b>.345</b>	<b>.346</b>	<b>18.60</b>	<b>18.58</b>
<b>FEMALES</b>										
Alabama.....	6	6	2,426	2,433	55.0	55.2	.216	.217	11.88	11.98
Connecticut.....	6	5	1,404	1,336	50.7	50.7	.352	.341	17.85	17.29
Georgia.....	16	15	4,598	4,272	56.0	56.5	.228	.232	12.77	13.11
Maine.....	5	4	1,477	1,481	54.0	53.8	.291	.304	15.71	16.30
Massachusetts.....	23	24	9,112	7,724	47.9	48.0	.353	.353	16.91	16.94
New Hampshire.....	6	6	2,018	1,908	53.3	53.1	.381	.379	20.31	20.12
New York.....	3	3	1,156	1,159	48.4	47.7	.375	.400	18.15	19.08
North Carolina.....	52	55	6,949	6,963	55.8	55.0	.262	.257	14.62	14.14
Rhode Island.....	15	15	2,764	2,537	52.2	51.3	.373	.367	19.47	18.83
South Carolina.....	23	26	5,254	6,039	55.0	54.8	.224	.240	12.32	13.15
Virginia.....	3	3	927	908	55.1	54.8	.272	.246	14.99	13.48
<b>Total.....</b>	<b>158</b>	<b>162</b>	<b>38,145</b>	<b>36,810</b>	<b>52.9</b>	<b>52.9</b>	<b>.296</b>	<b>.293</b>	<b>15.66</b>	<b>15.50</b>
<b>MALES AND FEMALES</b>										
Alabama.....	6	6	5,611	6,044	55.0	55.3	.244	.255	13.42	14.10
Connecticut.....	6	5	3,109	3,078	50.8	50.8	.361	.353	19.86	19.46
Georgia.....	16	15	11,277	11,627	56.1	56.5	.260	.268	14.59	15.14
Maine.....	5	4	2,640	3,000	54.1	53.8	.327	.340	17.69	18.20
Massachusetts.....	23	24	18,335	16,167	48.8	48.5	.392	.395	19.13	19.16
New Hampshire.....	6	6	3,987	4,067	53.6	53.4	.419	.420	22.46	22.43
New York.....	3	3	2,101	2,343	48.5	47.9	.404	.450	19.59	21.56
North Carolina.....	52	55	19,510	20,281	55.8	55.0	.295	.301	16.46	16.58
Rhode Island.....	15	15	5,764	5,323	52.2	51.6	.410	.406	21.40	20.95
South Carolina.....	23	26	13,370	15,963	55.0	54.8	.260	.274	14.30	15.02
Virginia.....	3	3	2,312	2,160	55.1	54.7	.316	.282	17.41	15.43
<b>Total.....</b>	<b>158</b>	<b>162</b>	<b>88,006</b>	<b>90,053</b>	<b>53.4</b>	<b>53.4</b>	<b>.324</b>	<b>.325</b>	<b>17.30</b>	<b>17.36</b>

**AVERAGE AND CLASSIFIED EARNINGS PER HOUR, 1910 TO 1930, BY OCCUPATION**

Average earnings per hour and the per cent of wage earners at each classified group of such earnings are shown by occupations in Table 3 for frame spinners and for weavers for each of the specified years from 1910 to 1930, and also for wage earners in eight other important occupations for 1926, 1928, and 1930. Prior to 1926, classification of wage earners by average hourly earnings was made in only the two occupations mentioned above. The percentage distribution of wage earners in the 10 occupations illustrates the variations in the trend and spread of average earnings per hour of the wage earners in all occupations in the industry in each of the years 1926 to 1930.

Average and classified figures are presented in the table for males only in four, and for both males and females in six occupations. The 24,010 males in these occupations constitute 45 per cent of the males and the 26,813 females 73 per cent of the females in all occupations in the mills included in the 1930 study, and the 50,823 males and females combined constitute 56 per cent of the wage earners included in the study in that year.

Classified figures for spinners and weavers are graphic in effect. During the years 1910 to 1914 less than 2 per cent of the female frame spinners earned as much as an average of 20 and under 25 cents per hour. In each of the years 1918 to 1930 more than 45 per cent of the females in this occupation earned an average of 25 cents or more per hour. In 1920, the peak year in earnings, 10 per cent of the 6,330 females in the occupation earned an average of 25 and under 30 cents; 23 per cent earned 30 and under 40 cents; 29 per cent earned 40 and under 50 cents; 24 per cent earned 50 and under 60 cents; 5 per cent earned 60 and under 70 cents; 1 per cent earned 70 and under 80 cents; less than 1 per cent earned \$1 and under \$1.10 per hour; and about 7 per cent earned less than 25 cents per hour. In 1930, 25 per cent of the 10,420 females in the occupation earned an average of less than 20 cents per hour; 26 per cent earned 20 and under 25 cents; 18 per cent earned 25 and under 30 cents; 25 per cent earned 30 and under 40 cents; 6 per cent earned 40 and under 50 cents; 1 per cent earned 50 and under 60 cents; and less than 1 per cent earned 60 and under 70 cents and 70 and under 80 cents per hour.

Average and classified earnings per hour for 1930 for the wage earners in this and the nine other occupations in the table are shown in Table B (p. 37) by States.



TABLE 3.—Average and classified earnings per hour in 10 specified occupations, 1910 to 1930, by occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of employees	Average earnings per hour	Per cent of employees whose earnings per hour in cents were—																
					Under 10	10, under 12	12, under 14	14, under 16	16, under 18	18, under 20	20, under 25	25, under 30	30, under 40	40, under 50	50, under 60	60, under 70	70, under 80	80, under 90	90, under 100	100, under 110	110, under 125
<b>Weavers—Continued.</b>																					
<b>Female</b>																					
1913	89	11,236	\$0.164	3	10	15	18	20	16	16	1										
1914	89	11,188	.167	3	10	13	17	20	16	19	2										
1916	101	11,546	.201	(1)	5	7	10	11	15	36	13	2		(1)							
1918	103	10,993	.285	(1)	1	2	3	4	5	17	23	37	6	(1)							
1920	92	7,681	.528	(1)	(1)	(1)	(1)	(1)	(1)	1	2	12	26	31	10	1	6	(1)	(1)		
1922	95	7,644	.380	(1)	(1)	(1)	1	1	2	9	12	32	31	10	1	(1)	1	(1)	(1)	(1)	
1924	114	8,493	.429	(1)	(1)	(1)	(1)	1	1	6	9	24	27	22	7	(1)	1	(1)	(1)	(1)	
1926	151	7,596	.375	(1)	(1)	(1)	1	1	2	9	16	34	22	11	3	(1)	(1)	(1)	(1)	(1)	
1928	158	8,123	.371	(1)	(1)	(1)	1	1	2	9	16	38	20	11	2	(1)	(1)	(1)	(1)	(1)	
1930	155	6,653	.381	(1)	(1)	(1)	(1)	1	1	8	15	38	22	11	2	(1)	(1)	(1)	(1)	(1)	
<b>Picker tenders:</b>																					
<b>Male</b>																					
1926	151	964	.297			(1)	1	5	4	30	16	30	13	1							
1928	157	1,171	.282	(1)		(1)	1	4	8	32	19	30	7	1							
1930	160	1,005	.284				1	3	4	33	20	33	6	1							
<b>Card tenders and strippers:</b>																					
<b>Male</b>																					
1926	151	1,644	.322			(1)		(1)	2	31	18	24	22	2	(1)						
1928	157	1,757	.314		(1)	(1)		(1)	1	28	23	28	17	1		(1)					
1930	160	1,742	.314						(1)	27	27	26	18	1							
<b>Speeder tenders:</b>																					
<b>Male</b>																					
1926	139	2,545	.343	(1)	(1)	(1)	(1)	1	1	9	24	43	14	6	1				(1)		
1928	147	2,913	.345	(1)	(1)	(1)	1	(1)	1	8	22	45	15	5	1	(1)			(1)		
1930	152	2,939	.343	(1)	(1)	(1)	(1)	(1)	1	8	23	48	14	4	1	(1)			(1)		
<b>Female</b>																					
1926	124	2,950	.368		(1)	(1)	(1)	(1)	1	7	12	42	31	5	(1)	(1)			(1)		
1928	127	2,995	.359		(1)	(1)	(1)	(1)	2	7	17	41	28	4	(1)	(1)			(1)		
1930	133	2,971	.349		(1)	(1)	(1)	(1)	1	8	17	45	25	2	(1)	(1)			(1)		
<b>Doffers:</b>																					
<b>Male</b>																					
1926	146	3,657	.307	(1)	(1)	1	1	2	3	22	23	32	14	2	(1)	(1)	(1)				
1928	154	3,945	.311	(1)	(1)	1	1	2	2	19	25	37	11	2	(1)	(1)					
1930	158	4,114	.315	(1)	(1)	1	1	1	2	16	26	38	13	2	(1)	(1)					
<b>Female</b>																					
1926	32	502	.344	1		(1)		1	1	9	9	63	16	1							
1928	23	392	.325					1	1	11	7	61	11	1							
1930	28	320	.313				(1)	1	11	9	18	47	13	1							
<b>Spooler tenders:</b>																					
<b>Male</b>																					
1926	6	24	.190		8	8	8	25	21	17	4	8									
1928	8	16	.224				25	6	13	25	19	13									
1930	8	23	.210				4	22	9	48	17										
<b>Female</b>																					
1926	151	4,136	.246	1	2	4	6	9	12	26	17	18	5	1							
1928	158	4,617	.243	1	2	3	6	9	11	29	18	16	4	(1)	(1)						
1930	161	4,454	.251	(1)	1	3	6	7	11	29	22	19	3	(1)	(1)				(1)		



Slasher tenders:																							
Male.....	1926	140	751	.411							8	9	34	18	23	8	(1)						
	1928	154	786	.396							8	11	36	22	22	2							
	1930	155	827	.384					(1)		9	12	39	20	19	1	(1)	(1)	(1)				
Loom fixers:																							
Male.....	1926	151	3,329	.489							(1)	(1)	30	25	19	21	4	(1)	(1)				
	1928	158	3,541	.482						(1)	(1)	(1)	27	30	20	19	3	(1)	(1)				
	1930	158	3,700	.483		(1)			(1)		(1)	(1)	22	33	26	16	1	1					
Trimmers or inspectors:																							
Male.....	1926	45	190	.295				2	2	35	21	33	5	2	2								
	1928	50	201	.278				1	3	39	22	27	4	(1)	2								
	1930	59	248	.326		(1)		2	5	13	16	43	15	2	2								
Female.....	1926	132	1,932	.246	(1)	(1)	(1)	6	7	24	33	17	1	(1)									
	1928	141	2,255	.241	(1)	(1)	(1)	4	7	12	33	30	13	(1)									
	1930	133	1,995	.248	(1)	(1)	1	3	8	8	38	27	12	2	(1)	(1)							

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

<sup>2</sup> Less than 1 per cent and classified in former bulletins as "40 cents and over."

<sup>3</sup> Less than 1 per cent and classified in former bulletins as "60 cents and over."

Table 4 shows the number and per cent of wage earners of each sex and of both sexes together at each classified group of average earnings per hour. The figures in this table are for all wage earners included in the 1930 study of the industry. The largest number of males and females in any one group is 8,606, or 10 per cent, at 25 and under 27½ cents per hour. The next largest number is 7,889, or 9 per cent, at 30 and under 32½ cents per hour.

TABLE 4.—Number and per cent earning each classified amount per hour, 1930, by sex

Classified earnings	Number			Per cent		
	Males	Females	Total	Males	Females	Total
2 and under 3 cents	3	1	3	(1)	(1)	(1)
3 and under 4 cen.s.	2	1	3	(1)	(1)	(1)
4 and under 5 cents	3	25	28	(1)	(1)	(1)
5 and under 6 cents	14	20	34	(1)	(1)	(1)
6 and under 7 cents	30	30	60	(1)	(1)	(1)
7 and under 8 cents	7	37	44	(1)	(1)	(1)
8 and under 9 cents	17	100	117	(1)	(1)	(1)
9 and under 10 cents	27	83	110	(1)	(1)	(1)
10 and under 11 cents	33	162	195	(1)	(1)	(1)
11 and under 12 cents	34	194	228	(1)	1	(1)
12 and under 13 cents	73	278	351	(1)	(1)	(1)
13 and under 14 cents	103	466	569	(1)	1	1
14 and under 15 cents	105	397	502	(1)	1	1
15 and under 16 cents	407	671	1,078	1	2	1
16 and under 17 cents	665	677	1,342	1	2	1
17 and under 18 cents	729	942	1,671	1	3	2
18 and under 19 cents	935	1,097	2,032	2	3	2
19 and under 20 cents	707	1,226	1,933	1	3	2
20 and under 21 cents	2,334	1,648	3,982	4	4	4
21 and under 22 cents	1,692	1,356	3,048	3	4	3
22 and under 23 cents	2,174	1,840	4,014	4	5	4
23 and under 24 cents	1,717	1,537	3,254	3	4	4
24 and under 25 cents	1,952	1,704	3,656	4	5	4
25 and under 27½ cents	4,907	3,699	8,606	9	10	10
27½ and under 30 cents	3,916	3,327	7,243	7	9	8
30 and under 32½ cents	4,788	3,101	7,889	9	8	9
32½ and under 35 cents	3,885	2,695	6,580	7	7	7
35 and under 37½ cents	4,085	2,392	6,477	8	6	7
37½ and under 40 cents	3,254	1,878	5,132	6	5	6
40 and under 42½ cents	3,183	1,636	4,819	6	4	5
42½ and under 45 cents	2,069	997	3,096	4	3	3
45 and under 47½ cents	1,798	663	2,461	3	2	3
47½ and under 50 cents	1,234	583	1,817	2	2	2
50 and under 55 cents	2,473	721	3,194	5	2	4
55 and under 60 cents	1,814	349	2,163	3	1	2
60 and under 65 cents	1,104	158	1,262	2	(1)	1
65 and under 70 cents	382	50	432	(1)	(1)	(1)
70 and under 75 cents	206	32	238	(1)	(1)	(1)
75 and under 80 cents	166	16	182	(1)	(1)	(1)
80 and under 85 cents	124	18	142	(1)	(1)	(1)
85 and under 90 cents	27	2	29	(1)	(1)	(1)
90 and under 95 cents	32	—	32	(1)	(1)	(1)
95 and under \$1.	6	—	6	(1)	(1)	(1)
\$1 and under \$1.10	18	2	20	(1)	(1)	(1)
\$1.10 and under \$1.20	2	—	2	(1)	(1)	(1)
\$1.20 and under \$1.30	4	—	4	(1)	(1)	(1)
\$1.40 and under \$1.50	3	—	3	(1)	(1)	(1)
Total	53,243	36,810	90,053	100.0	100.0	100.0

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

## FULL-TIME HOURS PER WEEK AND PER DAY, 1910 TO 1930

Full-time hours are the regular or customary hours of operation when a mill is working its recognized standard hours as established by a regular time of beginning and quitting work, not including the regular time off duty for meals, or any overtime, and not deducting time lost.

Table 5 shows for each specified year and for each of the 10 important occupations the per cent of employees having each classified number of full-time hours per week.

The classified full-time hours per week of the 426 male speeder tenders included in the 1910 study was 64 per cent at 60 hours and 36 per cent at over 60 hours per week, the average being 61.4 hours per week. The average for the 2,939 in 1930 was 54.8 hours, and the percentage distribution was 7 per cent at 48; 4 per cent at over 48 and under 54; 4 per cent at 54; 75 per cent at over 54 and under 57; 1 per cent at 57 and under 60; 8 per cent at 60; and less than 1 per cent at over 60 hours per week.

TABLE 5.—Average and classified full-time hours per week in 10 specified occupations, 1910 to 1930, by occupation, sex, and year

Occupation and sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Per cent of employees whose full-time hours per week were—								
					Under 48	48	Over 48, under 54	54	Over 54, under 57	57, under 60	60	Over 60	
<b>Picker tenders:</b>													
Male.....	1920	93	919	52.3		45	1	8	33	1	11		
	1922	95	777	53.1		25	4	18	49		4		
	1924	114	1,048	53.6	(1)	23	(1)	17	52		7	(1)	
	1926	151	964	54.1		21	1	13	55	(1)	7		3
	1928	157	1,757	54.5		14	5	10	61		9		1
	1930	160	1,005	53.8	(1)	18	5	10	60	1	6	(1)	
<b>Card tenders and strippers:</b>													
Male.....	1920	96	1,156	52.9	(1)	38	1	7	41	3	11		
	1922	96	1,096	53.5		22	3	19	50		6		
	1924	114	1,367	53.6		22	1	16	55		6	(1)	
	1926	151	1,644	54.1		20	1	13	54		10		1
	1928	157	1,575	54.3		17	4	8	62		8	(1)	
	1930	160	1,742	53.8	(1)	18	5	9	60	1	6	(1)	
<b>Speeder tenders:</b>													
Male.....	1910	32	426	61.4							64	36	
	1911	62	623	61.2					(1)	3	76	21	
	1912	62	666	59.7				8		2	87	3	
	1913	61	745	59.8				5		1	93	1	
	1914	58	799	59.3				11	1	1	87		
	1916	95	1,739	58.5				15	11	3	71	(1)	
	1918	98	1,478	58.2	(1)			28	3		69	(1)	
	1920	87	1,506	54.2	(1)	20		4	62		13		
	1922	90	1,745	54.1	(1)			2	6	70	6		
	1924	109	2,177	54.3		15		8	69		8		
	1926	139	2,545	55.1		10		(1)	5	69	15		1
	1928	147	2,913	55.1		8		1	5	75	11		
	1930	152	2,939	54.8		7		4	4	75	1	8	(1)
<b>Female.....</b>	1910	57	1,175	57.8					51	27	14		8
	1911	82	1,753	57.9					46	31	15		8
	1912	82	1,784	56.6				44	6	30	18		2
	1913	79	1,946	56.5				46	5	31	18		1
	1914	79	2,001	55.8	(1)			50	19	10	21	(1)	
	1916	95	2,986	55.6	(1)			(1)	51	23	11	16	(1)
	1918	100	3,214	55.0	(1)			79	5		15	4	(1)
	1920	82	2,476	50.2	(1)	69	1	12	13		4		
	1922	89	2,372	51.0	(1)	54	3	22	19		2		
	1924	105	2,703	51.2	(1)	52	1	23	22		3	(1)	
	1926	124	2,950	51.0	(1)	54	1	21	21		1	(1)	
	1928	127	2,995	51.2	(1)	51	2	20	24		2		
	1930	133	2,971	51.3	1	49	2	19	27	1	1		
<b>Spinners, frame:</b>													
Male.....	1910	36	261	57.2					61	20	17		2
	1911	46	700	57.2					57	33	7		3
	1912	49	564	56.7				42		48	8		2
	1913	49	530	56.9				38	3	35	22		1
	1914	38	483	54.7	3			44	34	4	16		
	1916	41	489	56.6				47	11	3	39		
	1918	53	383	54.3	14			58	3		25		
	1920	34	345	50.7	12	48		5	31	4	4		
	1922	49	547	53.4	11	13	2	11	50		13		

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

TABLE 5.—Average and classified full-time hours per week in 10 specified occupations, 1910 to 1930, by occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Per cent of employees whose full-time hours per week were—							
					Under 48	48	Over 48, under 54	54	Over 54, under 57	57, under 60	Over 60	
<b>Spinners, frame—Continued.</b>												
Male.....	1924	64	906	53.2	(1)	32	1	49	—	12	(1)	6
	1926	54	561	55.1	—	16	—	7	56	—	15	7
	1928	43	487	57.8	—	12	3	6	29	—	33	18
	1930	48	623	55.5	—	13	14	8	35	—	19	11
Female.....	1910	59	3,704	59.0	—	—	—	—	35	17	29	18
	1911	88	5,981	59.1	—	—	—	—	27	27	30	16
	1912	88	6,364	58.0	—	—	—	27	3	26	41	3
	1913	90	6,762	57.8	—	—	—	28	3	26	41	2
	1914	90	6,906	56.9	(1)	—	—	33	20	5	42	(1)
	1916	104	7,706	57.2	(1)	—	—	29	18	7	45	(1)
	1918	105	7,752	56.1	5	—	—	54	2	(1)	38	1
	1920	95	6,330	51.8	6	42	1	8	35	—	8	(1)
	1922	96	6,634	52.6	3	30	2	16	46	—	3	—
	1924	114	8,314	53.1	1	26	1	16	53	—	4	—
	1926	151	9,684	53.5	(1)	24	1	13	54	—	7	1
	1928	158	10,418	52.9	(1)	20	3	10	61	—	1	—
	1930	162	10,420	53.5	1	19	4	8	63	—	4	—
<b>Doffers.</b>												
Male.....	1916	99	3,206	57.6	1	—	(1)	19	13	4	61	1
	1918	102	2,857	56.1	12	—	—	34	2	(1)	51	1
	1920	89	2,717	53.1	8	25	—	4	51	—	12	(1)
	1922	91	2,716	53.5	4	19	2	6	63	—	5	—
	1924	109	3,133	54.0	(1)	18	(1)	8	67	—	6	(1)
	1926	146	3,657	54.2	1	17	(1)	6	66	—	9	1
	1928	154	3,945	54.6	(1)	13	1	7	68	—	10	(1)
	1930	158	4,114	54.1	(1)	16	3	6	67	—	7	(1)
Female.....	1916	19	537	55.0	7	—	(1)	32	27	33	—	—
	1918	26	703	52.6	16	—	—	1	84	—	—	—
	1920	21	543	49.8	13	49	—	1	36	1	—	—
	1922	28	460	50.9	4	43	3	48	2	—	—	—
	1924	27	478	50.9	1	47	3	44	4	—	—	—
	1926	32	502	51.4	(1)	42	2	50	5	—	(1)	—
	1928	23	392	51.4	—	43	14	33	9	—	—	—
	1930	28	320	51.5	—	39	5	53	3	—	—	—
<b>Spoolers:</b>												
Male.....	1924	8	37	55.0	—	—	—	—	100	—	—	—
	1926	6	24	59.2	—	—	—	8	17	—	21	54
	1928	8	16	54.9	—	—	—	6	94	—	—	—
	1930	8	23	55.3	—	—	—	—	100	—	—	—
Female.....	1916	104	3,662	57.2	(1)	—	(1)	30	16	7	47	(1)
	1918	105	3,759	56.2	4	—	1	49	3	(1)	43	(1)
	1920	95	3,010	52.2	3	40	(1)	7	41	—	8	—
	1922	95	3,091	52.9	3	28	4	10	52	—	3	—
	1924	113	3,646	53.3	1	24	(1)	11	59	—	4	—
	1926	151	4,136	53.6	1	24	(1)	9	59	—	7	(1)
	1928	158	4,617	53.7	(1)	21	2	7	63	—	6	—
	1930	161	4,454	53.5	(1)	24	1	7	62	(1)	5	—
<b>Slasher tenders:</b>												
Male.....	1910	57	276	58.4	—	—	—	—	42	19	26	13
	1911	85	455	58.5	—	—	—	—	33	32	23	12
	1912	85	449	57.4	—	—	—	31	4	34	30	1
	1913	87	485	57.5	—	—	—	30	3	32	34	1
	1914	87	528	56.8	(1)	—	—	33	22	5	39	(1)
	1916	96	581	56.8	—	—	—	34	21	8	37	(1)
	1918	99	608	56.5	—	—	—	57	3	—	39	1
	1920	89	504	52.1	—	45	1	6	42	—	6	—
	1922	92	547	52.7	—	32	5	13	45	1	4	(1)
	1924	114	636	53.0	—	30	1	15	51	1	3	(1)
	1926	146	751	53.3	—	27	1	14	53	1	4	1
	1928	154	786	53.7	—	21	3	11	59	—	6	(1)
	1930	155	827	53.6	—	20	2	10	62	2	3	(1)
<b>Loom fixers:</b>												
Male.....	1910	59	1,267	58.7	—	—	—	—	42	18	23	17
	1911	88	2,200	58.6	—	—	—	—	33	30	25	12
	1912	88	2,290	57.7	—	—	—	25	8	31	34	2
	1913	90	2,370	57.6	—	—	—	27	8	29	34	2
	1914	90	2,491	56.8	—	—	—	33	24	6	36	1
	1916	102	2,776	56.8	—	—	—	33	23	7	35	2

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

TABLE 5.—Average and classified full-time hours per week in 10 specified occupations, 1910 to 1930, by occupation, sex, and year—Continued

Occupation and sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Per cent of employees whose full-time hours per week were—							
					Under 48	48	Over 48, under 54	54	Over 54, under 57	57, under 60	60	Over 60
<b>Loom fixers—Continued.</b>												
Male.....	1918	103	2,709	56.4				60	3	(1)	34	4
	1920	93	2,386	52.2		46	1	8	37		8	1
	1922	95	2,456	52.0	(1)	32	4	13	42	(1)	6	1
	1924	114	2,982	52.9		32	1	15	49		4	(1)
	1926	151	3,329	53.5		27	(1)	11	52		8	1
	1928	158	3,541	53.7	(1)	23	2	11	55		7	1
	1930	158	3,700	53.5		23	4	10	56	3	4	(1)
<b>Weavers:</b>												
Male.....	1910	58	5,334	58.8					41	13	27	19
	1911	88	8,855	58.6					35	27	25	13
	1912	88	9,775	57.5				30	8	24	37	11
	1913	89	9,485	57.6				29	6	23	41	1
	1914	89	9,755	56.8	(1)			34	20	4	41	(1)
	1916	100	10,279	56.7	(1)		(1)	36	19	7	39	(1)
	1918	103	8,301	56.2	1			58	4	(1)	37	(1)
	1920	93	6,077	51.8	(1)	47	(1)	7	41		4	
	1922	95	7,410	52.6	1	35	2	10	48		5	
	1924	114	9,024	52.8	(1)	33	(1)	12	51		3	1
	1926	151	8,603	53.2	(1)	33	(1)	7	51		7	2
	1928	158	10,326	53.4		29	1	8	53		9	(1)
	1930	156	8,789	52.7	1	31	2	7	53	1	5	
Female.....	1910	59	6,334	57.8					51	26	13	9
	1911	88	10,792	57.9					39	41	13	7
	1912	88	10,988	56.9				35	6	41	17	1
	1913	89	11,236	56.7				39	5	39	17	1
	1914	89	11,188	55.8	(1)			43	29	7	21	(1)
	1916	101	11,546	55.7	(1)		(1)	44	30	7	19	(1)
	1918	103	10,993	55.4	1			73	3		23	(1)
	1920	92	7,681	50.3	1	66	1	10	19		4	
	1922	95	7,644	51.6	1	46	3	22	26		3	
	1924	114	8,493	51.8	(1)	44	1	20	33		2	
	1926	151	7,596	51.9	(1)	45	1	11	39		4	(1)
	1928	158	8,123	52.2	(1)	42	1	8	43		5	
	1930	155	6,653	52.0	(1)	43	2	8	44	1	2	
<b>Trimmers or inspectors:</b>												
Male.....	1920	22	76	53.4		25		1	74			
	1922	28	78	54.3		12		8	81			
	1924	36	158	55.3		5		10	77		8	
	1926	45	190	53.0		32		4	63		2	9
	1928	50	201	54.7		7	(1)	2	85		5	
	1930	59	248	54.0		11	10	9	69		2	
Female.....	1910	46	408	58.3					39	25	27	
	1911	75	712	58.7					32	28	29	11
	1912	77	708	57.7				29	3	27	38	2
	1913	77	687	57.9				27	5	26	39	4
	1914	74	720	57.2				33	11	14	42	
	1916	83	971	56.7	2			33	17	17	30	1
	1918	87	1,175	55.6	3			64	4		30	1
	1920	76	1,045	51.6	3	45	1	16	30		6	
	1922	78	1,056	52.5	1	34	1	20	41		3	
	1924	92	1,602	52.7	(1)	31	1	20	45		2	1
	1926	132	1,932	52.6	(1)	36	1	17	40		6	1
	1928	141	2,265	52.8	1	30	2	16	46		5	
	1930	133	1,995	52.6	2	29	4	18	42	2	2	

The hours per week and on each day, Monday to Thursday, Friday, and Saturday, in Table 6, are the regular or customary hours of operation for day work and for night work of each of the mills of each State included in the 1930 study of the industry.

Full-time hours per week for *day work* ranged from 48 in 32 mills to 60 in 8 mills, and for *night work* ranged from 25 in 2 mills to 70 in 1 mill. There was a day shift in each of the 162 mills covered in the study and a night shift in 87 of them.

The hours per day for day work on each day, Monday to Friday, ranged from 8½ to 11, and on Saturday from 3 to 7½. Eight mills did no work on Saturday, the 5-day week being in operation in them.

The hours per night for night work on Monday to Friday ranged from 5 to 14. There was no night work on Saturday in any of the mills. The night force of each of the mills that had both day and night shifts was less than the day force and usually limited to certain departments or occupations.

The full-time hours per week of 99 or 61 per cent of the 162 mills that had day shifts were 55; of 21 or 13 per cent were 54; of 32 or 20 per cent were 48 per week. The hours of 51 or 59 per cent of the 87 mills that had night shifts were 55 per week.

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

Full-time hours per week	Full-time hours per day				Number of establishments in—										Total establishments		
	Monday to Thursday	Friday	Saturday		Alabama	Connecticut	Georgia	Maine	Massachusetts	New Hampshire	New York	North Carolina	Rhode Island	South Carolina		Virginia	
48	8½ 8¾ 9 9½	8½ 8¾ 9 9½	4½ 4¼ 5 0			1 1			20 3		3		1				1 2 4 3
Total						2			23		3		4				32
54	9¾ 9½ 9½ 10	9¾ 9½ 9½ 10	5½ 5 4½ 4					2 2 4		5 1 6			2 2 5 2				9 3 5 4
Total								4		6			11				21
55	10 11	10 11	5 0	4 1		3 1	8 1		1			49 3			26	3	94 5
Total				5	3	9		1				52		26	3		99
56	9¾	9¾	7¼	1													1
57	10½	10½	4½				1										1
60	11	11	5				5					3					8
Grand total				6	5	15	4	24	6	3	55	15	26	3			162

Night Work																	
25	5	5	0					1					1				2
40	8	8	0						1								1
48	12	0	0					1									1
50	10	10	0			1		1				6		3	1		12
	11	6	0									2					2
Total						1		1				8		3	1		14
54	10½	10½	0						1								1
55	11	11	0		4		5	1			1	19		19	1		51
56	12	8	0	1						1							1
57	11½	11	0				1										1
60	12	12	0				4		4		1	1	1				11
65	13	13	0						2								2
65½	13½	13½	0										1				1
70	14	14	0						1								1
Grand total				5	1	10	2	9	3	2	28	3	22	2			87

<sup>1</sup> 1 plant works 9¼ hours Monday to Friday, 5 on Saturday, or 51¼ per week during 5 months daylight-saving time.

<sup>2</sup> Females work 8¾ hours Monday to Friday, 4¼ on Saturday, or 48 per week.

<sup>3</sup> In 1 plant weave room, cloth room, and part of carding room work 10 hours on Monday to Friday, 5 Saturday, or 55 per week.

<sup>4</sup> In 1 plant part of employees work 11 hours Monday to Friday, or 55 per week.

## CHANGES IN HOURS SINCE JULY 1, 1928

Only 15 of the 162 mills included in the 1930 study of the industry reported changes in the regular full-time hours per week since July 1, 1928.

Table 7 shows the hours per week and per day before and after change for each of the 15 mills:

TABLE 7.—Hours per week and per day of mills before and after change between July 1, 1928, and period of 1930 study

Day work or night work	Number of mills	Hours before change			Hours after change		
		Per week	Monday to Friday	Saturday	Per week	Monday to Friday	Saturday
Day.....	1	48	8¾	4¼	55	10	5
Do.....	1	48	8¾	4¼	48	9¾	0
Do.....	3	60	11	5	55	10	5
Do.....	3	60	11	5	55	11	0
Do.....	1	55	10	5	55	11	0
Do.....	1	60	11	5	55	10	5
Night.....	1	55	11	0	50	10	0
Do.....	4	55	11	0	50	10	0
Day.....	1	54	9¾	5¼	151¼	10¼	15

1 Only during 5 months of day-light saving, other 7 months same as before change.

## CHANGES IN WAGE RATES SINCE JULY 1, 1928

Changes in wage rates between July 1, 1928, and the period of the 1930 study were reported by 28 of the 162 mills for which figures are given in this report.

Table 8 shows that wages were increased in 10 and decreased in 18 mills:

TABLE 8.—Changes in wage rates in 28 mills in the cotton-goods industry between July 1, 1928, and the period of the 1930 study

Number of establishments	Employees affected by change	Per cent or amount of change	
		Increase	Decrease
1	All employees.....	10 per cent.	
1	do.....	5½ per cent.	
5	do.....	5 per cent.	
1	Loom fixers, machinists, second hands, section hands, slashers, and smash hands.	do.....	
2	{Fixers, grinders, helpers, loom fixers, machinists, overseers, second hands, and slasher tenders.	1 to 6¾ cents per hour.....	
	{Weavers.....	1¼ to 1¾ cents per 1,000 picks.	
1	All employees.....		20 per cent.
1	do.....		10 per cent.
1	do.....		8 per cent.
11	do.....		5 per cent.
1	All except overseers.....		Do.
1	Doffers, sewers, spinners, and weavers.....		20 per cent.
1	Weavers.....		5 per cent.
1	{Beamers.....		20 cents per beam.
1	{Loom fixers.....		2 cents per hour.
	{Weavers.....		2 per cent.

## OVERTIME AND SUNDAY AND HOLIDAY WORK, 1930

Overtime is any time worked in excess of the regular full time per day or per week, regardless of the rate paid for such time. Work on Sunday and holidays is extra time only when done by employees whose regular hours per day and week do not include work on those days.

In reply to inquiries concerning overtime and work on Sunday and holidays, 118 of the 162 mills covered in the 1930 study reported overtime and 35 reported extra work on Sunday and holidays during the pay period covered by the study. Only 24 of the 118 mills in which there was *overtime* and only 25 of the 35 mills in which there was *extra* work on Sunday and holidays paid a higher rate for such work than for regular working time. The same rate was paid for *overtime* in 94 mills and for *extra* work on Sunday and holidays in 10 mills as for regular working time.

Table 9 shows the number of mills in which there was provision for extra pay for overtime and for work on Sunday and holidays, the employees who were entitled to the extra rate or time for such extra work, and the number of times the regular rate paid for such work. The rates for overtime and extra work on Sunday and holidays ranged by mills from one and one-tenth times the regular rate for those with the lowest to two times the regular rate for those with the highest rate. In one mill the rate for overtime was one time the regular rate and for extra work on Sunday and holidays was two times the regular rate. There was no provision for a higher rate for overtime in 138 mills, nor for work on Sunday and holidays in 137 mills.

TABLE 9.—Times regular rate paid for overtime and for work on Sunday and holidays, and employees affected, 1930

Number of establishments	Employees entitled	Times regular rate for—	
		Overtime	Work on Sunday and holidays
3	Repair men.....	1½	1½
3	Shop employees.....	1½	1½
2	Maintenance department.....	1½	1½
2	Time workers.....	1½	1½
1	All.....	1½	1½
1	Day workers.....	1½	1½
1	Card room employees.....	1½	1½
1	Mechanical department employees, except master mechanic.....	1½	1½
1	Machinists, machinists' helpers, and painters.....	1½	1½
1	Repair department and wood shop.....	1½	1½
1	Shop workers.....	1½	1½
1	Shop and repair departments.....	1½	1½
1	Part of employees.....	1½	2
1	(Carpenters, machinists, slashers, and machine-room employees.....	1½	1½
1	Other departments.....	1½	1¼
1	(Second hands in weave room.....	2	2
1	(Second hands in picker room.....	1½	1½
1	Carpenters, machinists, painters, and roll coverers.....	1¼	1¼
1	Wage earners.....	1½	1½
1	Repair men.....	1½	1½
1	do.....	1	2
137	None.....	1	2

<sup>1</sup> And Saturday afternoon.



## BONUS SYSTEMS

A bonus is compensation in addition to earnings at time or piece rates.

Thirty-four of the 162 cotton mills included in the 1930 study of the industry reported bonus systems in operation. The basis of the bonus in each mill, the wage earners entitled to the bonus payments, and the amount of and conditions necessary to get the bonus are shown in Table 10.

The basis of the bonus in 14 mills was production; in 5, production and efficiency; in 2, attendance; in 3, attendance and production; in 6, efficiency; and in 4, efficiency and economy.

TABLE 10.—*Bonus systems in the cotton-goods industry, 1930*

Number of establishments	Bonus based on—	Employees entitled to bonus	Amount of or per cent of earnings paid as bonus	Necessary to get bonus
5	Production	{ Loom-fixers..... Weavers.....	\$6 per 2-week pay period. \$2.75 to \$5.50 per 2-week pay period.	Production by looms of 95 per cent or more of set standard. Produce 92½ per cent or more of set standard.
1	do	All except salaried employees.	1 per cent of earnings at basic rates for each per cent of production over 60 per cent of the set standard.	Produce over 60 per cent of set standard.
1	do	Second hands and section hands in weave room.	Not reported.....	Keep all looms in good running order.
1	do	Nearly all of time workers.	75 per cent of production over set standard paid for at basic rate.	Produce more than 60 points per hour.
1	do	Loom fixers.....	1 per cent of earnings for each per cent of production over set standard.	Produce more than set standard.
1	do	All except burlers.....	do.....	Produce over 60 per cent of set standard.
1	do	Loom fixers, smash hands, and second hands in weave room.	\$2 per week.....	Produce over 95 per cent of set standard.
1	do	Loom fixers and second hands.	do.....	Do.
1	do	Cloth-room workers.	75 per cent of production over set standard paid at basic rate.	Produce more than set standard.
1	do	Loom fixers.....	Not reported.....	Produce over 91 per cent of set standard.
1	do	{ do.....	{ 5 per cent of earnings at basic rate.	{ Produce 85 and under 90 per cent of set standard.
		{ do.....	{ 10 per cent of earnings at basic rate.	{ Produce 90 per cent or more of set standard.
		{ Weavers on plain looms.	{ 5 per cent of earnings at basic rate.	{ Produce 85 and under 90 per cent of set standard.
		{ do.....	{ 10 per cent of earnings at basic rate.	{ Produce 90 per cent or more of set standard.
		{ Weavers on box looms.	{ 5 per cent earnings at basic rate.	{ Produce 80 and under 85 per cent of set standard.
		{ do.....	{ 10 per cent of earnings at basic rate.	{ Produce 85 per cent or more of set standard.
		{ Weavers on plain looms. Magazine looms....	{ 5 per cent of earnings at basic rate. 10 per cent of earnings at basic rate.	{ Produce 75 and under 80 per cent of set standard. Produce 80 per cent or more of set standard.
Efficiency.....	Weavers.....	5 per cent of earnings at basic rate.	Produce no seconds.	
1	Efficiency	{ Production.....	{ Section hands.....	{ Produce more than any other section.
		{ Efficiency.....	{ Loom fixers..... Weavers.....	{ Produce less than 6 per cent of seconds. Produce less than 3 per cent of seconds.

TABLE 10.—*Bonus systems in the cotton-goods industry, 1930—Continued*

Number of establishments	Bonus based on—	Employees entitled to bonus	Amount of or per cent of earnings paid as bonus	Necessary to get bonus
1	{ Production..... Efficiency.....	Loom fixers.....	{ 5 per cent of earnings at basic rate.	{ Produce 100 per cent or over of set standard. Produce less than 3 per cent of seconds.
1	Production and efficiency.	Loom fixers and towel weavers.	10 per cent of earnings at basic rate.	Production and quality higher than set standard.
1	{ Production..... Efficiency.....	{ Loom fixers..... Weavers.....	{ .....do..... 5 per cent of earnings at basic rate.	{ Produce more than set standard. Do.
1	Attendance.....	All except salaried employees.	10 per cent of earnings at basic rate.	Cloth with less than specified number of imperfections.
1	.....do.....	All.....	5 per cent of earnings at basic rate.	Full-time attendance.
1	{ Attendance..... Production.....	Spooler tenders..... Loom fixers.....	10 per cent of earnings at basic rate. 3½ per cent of earnings at basic rate.	Full-time attendance. Produce more than set standard.
1	{ Attendance..... Production.....	Second hands..... Spare piece workers and all time workers, except scrubbers, waste house, shop, and warehouse employees.	6 per cent of earnings at basic rate. 10 per cent of earnings at basic rate.	Full-time attendance. Produce set standard or more.
1	Attendance and production.	Weave room section hands.	Varies with the per cent of production	Produce more than set standard.
1	Efficiency.....	Spinners..... Loom fixers.....	\$1 per 100 flaws found. \$4 per week.....	Detect flaws in bobbins. Looms produce <i>not</i> more than set number of seconds.
1	.....do.....	Inspectors in cloth room.	\$1 per week.....	Pass no faulty work.
1	.....do.....	Slasher tenders.....	15 cents per hour.....	Proper regulation of sizing.
1	.....do.....	Weavers and loom fixers.	10 per cent of earnings at basic rate.	Produce 5 per cent or less of seconds.
1	.....do.....	Loom fixers and second hands in weave room.	\$2 per week.....	Produce 95 per cent or more of capacity.
1	.....do.....	Weavers, loom fixers, and second hands.	One-fourth cent for each yard of firsts over set standard.	Produce over set standard of firsts.
1	.....do.....	Spinners.....	25 cents for each 100 imperfections found.	Detect imperfections in card room production.
4	Efficiency and economy.	Loom fixers.....	Not reported.....	Keep all looms in good running condition and save supplies.

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

Index numbers of employment and of pay rolls in the cotton-goods industry are presented in Table 11 for each month, January, 1923, to December, 1930, inclusive. These numbers were computed from the volume of employment and the amount of the pay rolls for each of the months and years, with the 1926 average as the base or 100 per cent. The index numbers are as published by the bureau in monthly reports on "Trend of employment" in the United States.

During the period covered by the table employment was highest at 128.2 in March, 1923, and lowest at 72.9 in August, 1930. Pay rolls were highest at 135.9 in May, 1923, and lowest at 61.5 in August, 1930.

Index numbers of employment by years were 120.3 in 1923, 99.9 in 1924, 101.1 in 1925, 100.0 in 1926, 105.0 in 1927, 95.2 in 1928, 95.5 in 1929, and 80.6 in 1930; and of pay rolls were 123.5 in 1923, 99.6 in 1924, 101.1 in 1925, 100.0 in 1926, 108.5 in 1927, 91.7 in 1928, 94.3 in 1929, and 73.3 in 1930.

TABLE 11.—Index numbers of employment and of pay rolls, January, 1923, to September, 1930, by month and year

[Average for 1926=100.0]

Month	Index numbers of—																	
	Employment									Pay-roll totals								
	1923	1924	1925	1926	1927	1928	1929	1930	1923	1924	1925	1926	1927	1928	1929	1930		
January.....	126.2	112.4	105.1	103.0	103.7	102.4	98.6	90.4	120.5	122.6	107.9	105.4	106.0	99.8	97.6	85.5		
February.....	128.7	112.0	106.1	103.5	105.2	101.3	99.1	88.7	120.7	120.0	108.9	106.7	109.9	98.0	100.3	84.6		
March.....	128.2	108.1	105.7	104.5	105.7	99.5	98.6	87.7	123.3	111.0	109.6	108.0	111.6	95.4	100.1	82.7		
April.....	127.8	103.5	105.8	103.5	105.4	97.1	96.7	86.9	127.2	104.8	108.8	106.3	110.0	91.4	98.7	82.2		
May.....	127.7	99.8	104.0	100.8	105.1	92.4	96.9	83.9	135.9	97.8	106.0	98.5	109.6	87.5	97.5	77.7		
June.....	125.5	97.0	101.9	98.3	105.4	91.7	96.8	81.3	130.0	90.1	99.3	95.6	109.3	85.7	95.2	73.5		
July.....	115.6	87.8	93.4	91.9	104.9	89.9	93.5	75.9	119.0	79.1	91.0	85.2	106.3	84.8	90.9	64.8		
August.....	113.0	89.7	93.7	91.7	104.2	88.6	91.6	72.9	120.9	83.7	91.5	88.1	107.2	82.7	88.4	61.5		
September.....	114.4	91.8	92.4	97.5	105.3	90.4	94.0	74.5	125.2	88.4	84.1	96.4	108.8	86.4	91.2	64.6		
October.....	111.0	96.5	100.0	100.4	105.8	94.1	94.8	74.5	116.0	95.8	98.6	101.0	110.2	93.1	94.2	66.8		
November.....	112.8	96.6	102.3	101.3	105.8	97.0	93.8	75.4	116.2	94.1	101.5	102.3	107.4	96.3	89.6	66.8		
December.....	115.2	103.4	102.8	103.0	103.7	98.3	92.0	74.7	128.5	107.9	105.8	106.9	106.2	99.8	87.9	69.1		
Average.....	120.3	99.9	101.1	100.0	105.0	95.2	95.5	80.6	123.5	99.6	101.1	100.0	108.5	91.7	94.3	73.3		

## IMPORTANCE OF THE INDUSTRY

Table 12 shows for the industry the number of establishments, average number of wage earners, the amount paid in wages, the cost of materials, the value of products, and the value added by manufacture, as published by the United States Census of Manufactures. The figures are for the United States as a whole in each of the specified years from 1899 to 1927, and in 1927 for each of the 11 States included in the 1930 study.

From the census figures the average per wage earner of each item was computed by the bureau, as was the per cent that amount of wages was of the value added by manufacture.

Average annual wages per wage earner was \$815 in 1927 and ranged by years from \$286 in 1899 to \$816 in 1923; by States, the averages in 1927 ranged from \$642 to \$1,053.

Wages formed 55 per cent of value added by manufacture in 1927 and by years ranged from 42 per cent in 1919 to 60 per cent in 1914; in 1927 the per cent by States ranged from 49 to 63.

TABLE 12.—*Establishments, wage earners, wages, cost of materials, value of products, value added by manufacture, and per capita earnings, etc., 1899 to 1927*

[From United States Census of Manufactures, 1927]

State and year	Number of establishments	Average number of wage earners	Amount paid in wages	Cost of materials	Value of products
United States:					
1899.....	973	297,929	\$85,126,310	\$173,441,390	\$332,806,156
1904.....	1,077	310,458	94,377,696	252,047,645	442,451,218
1909.....	1,208	371,182	129,789,717	364,013,504	615,217,702
1914.....	1,179	388,726	146,129,628	431,602,540	676,569,115
1919.....	1,288	445,423	355,474,937	1,277,785,597	2,125,272,193
1921.....	1,123	423,319	328,226,744	707,442,097	1,278,220,851
1923.....	1,375	485,784	396,602,644	1,147,372,215	1,901,125,703
1925.....	1,1,366	445,184	353,882,870	1,077,152,614	1,714,367,787
1927.....	1,1,347	467,596	380,909,543	871,591,901	1,567,400,612
States—1927:					
Alabama.....	68	24,825	15,927,634	49,850,441	80,833,617
Connecticut.....	35	12,639	13,140,400	26,021,426	49,177,763
Georgia.....	139	56,607	36,908,790	106,882,283	180,509,344
Maine.....	17	10,195	9,781,130	17,350,564	34,414,143
Massachusetts.....	163	90,875	88,089,667	145,630,938	284,706,007
New Hampshire.....	17	14,722	15,142,435	26,772,287	57,721,546
New York.....	35	7,572	7,872,864	14,477,202	29,102,221
North Carolina.....	374	95,786	66,149,690	184,509,360	310,299,158
Rhode Island.....	66	26,203	27,586,550	45,669,205	90,053,620
South Carolina.....	163	75,069	49,383,478	135,085,027	231,272,599
Virginia.....	11	8,426	7,057,919	14,177,760	27,295,233
All other States.....	259	44,677	43,868,986	105,165,408	192,015,361

  

State and year	Value added by manufacture	Average annual wages per wage earner	Cost of material per wage earner	Value of products per wage earner	Value added by manufacture per wage earner	Per cent wages are of value added
United States:						
1899.....	\$159,364,706	\$286	\$582	\$1,117	\$535	53
1904.....	160,403,570	304	908	1,425	517	59
1909.....	251,204,198	350	981	1,657	677	52
1914.....	244,966,575	376	1,110	1,740	630	40
1919.....	847,488,596	798	2,869	4,771	1,903	62
1921.....	570,778,734	772	1,663	3,005	1,342	58
1923.....	753,753,488	816	2,362	3,914	1,552	53
1925.....	637,215,173	795	2,420	3,851	1,431	56
1927.....	695,808,711	815	1,864	3,352	1,488	55
States—1927:						
Alabama.....	30,983,176	642	2,008	3,256	1,248	51
Connecticut.....	23,156,337	1,040	2,059	3,891	1,832	57
Georgia.....	73,627,061	652	1,888	3,189	1,301	50
Maine.....	17,063,579	959	1,702	3,376	1,074	57
Massachusetts.....	139,075,069	969	1,603	3,133	1,530	63
New Hampshire.....	30,949,259	1,029	1,819	3,921	2,102	59
New York.....	14,625,019	1,040	1,912	3,843	1,931	54
North Carolina.....	125,789,798	691	1,926	3,240	1,313	53
Rhode Island.....	44,384,415	1,053	1,743	3,437	1,694	62
South Carolina.....	96,187,572	658	1,799	3,081	1,281	51
Virginia.....	13,117,473	838	1,683	3,239	1,557	54
All other States.....	86,849,953	982	2,354	4,298	1,944	51

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

## PRICES AND INDEX NUMBERS OF COTTON AND COTTON GOODS

Table 13 shows the average wholesale New York market price per pound of middling, upland cotton, and index numbers of the average wholesale price of cotton, of cotton goods, and also of average earnings per hour of wage earners in cotton mills, 1913 to 1930, with the 1913 average the base or 100 per cent. "Cotton goods," as here used, includes all of the various kinds of cottons for which wholesale prices are shown in Bulletin No. 521 of the Bureau of Labor Statis-

tics, supplemented by information for 1930. The figures used in computing the index numbers for cotton goods were obtained by weighting the price of each kind of cotton goods by the quantity (as nearly as could be determined) thereof sold in the markets in 1923 and 1925. (For the kinds of cotton goods and weightings see pp. 243 and 244 of Bulletin No. 473.)

Between 1913 and 1930 the average wholesale price per pound of cotton ranged from 10.2 cents in 1915 to 33.9 cents in 1920. It dropped from an index of 100 in 1913 to 94.5 in 1914, and to 79.7 in 1915; increased from year to year to 264.8 in 1920; dropped abruptly to 118 in 1921, a decrease of 55.4 per cent; increased to 228.9 in 1923; decreased to 136.7 in 1926; increased to 156.3 in 1928, and dropped to 149.2 in 1929 and to 110.9 for the average for the first 10 months in 1930.

Wholesale cotton goods prices decreased from an index of 100 in 1913 to 96.6 in 1914 and 90.2 in 1915, then increased each year to 328.8 in 1920, an increase of 228.8 per cent between 1913 and 1920, as compared with an increase of 164.8 per cent in the wholesale price of cotton. Cotton goods prices dropped from an index of 328.8 in 1920 to 171.6 in 1921; increased to 201.6 in 1923; dropped each year to an index of 168.8 in 1927; then increased to 174.5 in 1928; decreased to 171.4 in 1929, and to 153.3 for the average for the first 10 months in 1930.

Average earnings per hour of wage earners in cotton mills increased from an index of 100 in 1913 to 323.5 in 1920; dropped to 222.4 in 1922; increased to 250.7 in 1924; decreased to 218.3 in 1928; and increased to 219.0 in 1930.

TABLE 13.—Average wholesale prices of cotton and index numbers of average wholesale prices of cotton and cotton goods, and of average earnings per hour of wage earners in the cotton goods industry, 1913 to 1930

[1913=100.0]

Year	Average wholesale price per pound of cotton, New York market	Index numbers of—		
		Average wholesale price of cotton	Average wholesale price of cotton goods	Average earnings per hour in cotton mills
1913.....	\$0.128	100.0	100.0	100.0
1914.....	.121	94.5	96.6	103.1
1915.....	.102	79.7	90.2	(1)
1916.....	.145	113.3	118.4	120.6
1917.....	.235	183.6	170.2	(1)
1918.....	.318	248.4	252.8	179.9
1919.....	.325	253.9	254.3	(1)
1920.....	.339	264.8	328.8	323.5
1921.....	.151	118.0	171.6	(1)
1922.....	.212	165.6	179.8	222.4
1923.....	.293	228.9	201.6	(1)
1924.....	.287	224.2	197.8	250.7
1925.....	.235	183.6	189.7	(1)
1926.....	.175	136.7	172.4	221.0
1927.....	.176	137.5	168.8	(1)
1928.....	.200	156.3	174.5	218.3
1929.....	.191	149.2	171.4	(1)
1930.....	*.142	†110.9	‡153.3	219.0

\* Wage data were not collected for this year.

† For the first 10 months of this year.

## SCOPE AND METHOD

In 1930 data as to days, hours, wage rates, and earnings of each wage earner in each occupation in the industry were collected by agents of the bureau from the pay rolls and other records of 162 representative cotton mills in 11 States. The mills had at the time of the study approximately 9,000,000 spindles and 225,000 looms in operation, and in one week produced 13,499,275 pounds of cotton yarn and 13,214,702 pounds of cloth. The yarn was generally for the use of the mills in which it was produced. The States included in the study, based on the 1927 report of the United States Census of Manufactures, were the most important in number of wage earners.

The studies of this industry have been limited to mills whose principal products were woven cotton goods as follows: Sheetings, pillow tubing, print cloths, voiles, ginghams; tobacco, cheese, butter, bunting, and bandage cloths; lawns, nainsooks, cambrics, madras, shirtings, drills, twills, and sateens; ticking, denims, osnaburgs, cotton flannels, and ducking. Mills that manufactured yarns only or those whose principal products were specialties, such as bedspreads, hammocks, towels, napkins, handkerchiefs, braid, tire fabrics, etc., and those that made goods of cotton mixed with more than 25 per cent of wool, silk, or rayon were excluded. Plants engaged in dyeing and finishing textiles and the dyeing and finishing departments of cotton mills were also excluded.

To get the number of wage earners allocated to a few States in 1930 it was necessary to take wage figures from 13 mills in which part of the cloth was made of cotton yarn only, and in which part was made from a mixture of cotton and wool, rayon, or silk. Table 14 shows for each of the 13 mills the kind of fiber used, the per cent of cloth made of cotton only and of cotton and other fiber, and the per cent that cotton and that other fiber was of the mixture. Mill No. 1 used cotton and rayon in making cloth, part of which (96.3 per cent) was made of cotton only and part (3.7 per cent) of a mixture of cotton and rayon. The mixed cloth was 60 per cent cotton and 40 per cent rayon.

TABLE 14.—*Kind of fiber used, per cent of cloth made of cotton only, and of mixture of cotton and other fiber, and per cent in mixture of cotton and other fiber*

Mill	Kind of fiber used	Per cent of cloth made of—		Per cent in mixture of—	
		Cotton fiber only	Mixture of cotton and other fiber	Cotton fiber	Other fiber
No. 1.....	Cotton and rayon.....	96.3	3.7	60.0	40.0
No. 2.....	Cotton, rayon, and silk.....	89.2	10.8	96.3	3.7
No. 3.....	Cotton and rayon.....	77.9	22.1	50.0	50.0
No. 4.....	do.....	89.2	10.8	57.0	43.0
No. 5.....	do.....	98.1	1.9	50.0	50.0
No. 6.....	do.....	93.3	6.7	30.0	70.0
No. 7.....	Cotton, rayon, and silk.....	64.9	35.1	62.9	37.1
No. 8.....	Cotton and wool.....	39.1	60.9	94.0	6.0
No. 9.....	Cotton and rayon.....		100.0	92.0	8.0
No. 10.....	do.....	94.9	5.1	65.0	35.0
No. 11.....	Cotton, rayon, and silk.....	92.7	7.3	76.8	23.2
No. 12.....	Cotton and rayon.....	47.6	52.4	78.0	22.0
No. 13.....	do.....		100.0	80.0	20.0

Except for a very few mills the data used in compiling the 1930 wage figures were taken from a representative pay period in March, April, or May, and therefore reflect the condition of the industry in those months.

Table 15 shows by States the number of wage earners in the industry in 1927 according to the United States Census of Manufactures. The number of mills from which the Bureau of Labor Statistics obtained data for 1930 and the number of wage earners therein for whom data are presented are also shown in the table. According to these figures 90.4 per cent of the total number of wage earners in the industry were in the 11 States in which the mills furnishing information to the Bureau of Labor Statistics are located. The 90,053 (53,243 males and 36,810 females) wage earners included in the 1930 study by the bureau is 19.3 per cent of the total in the industry in 1927.

TABLE 15.—Number of wage earners in cotton goods manufacturing in 1927 and number of establishments and wage earners for which 1930 data are shown, by State

State	Number of wage earners reported by United States Census Office in 1927	Establishments and wage earners for which data are shown for 1930 in this report	
		Number of establishments	Number of wage earners
Alabama.....	24,825	6	6,044
Connecticut.....	12,639	5	3,078
Georgia.....	56,607	15	11,627
Maine.....	10,195	4	3,000
Massachusetts.....	90,875	24	16,167
New Hampshire.....	14,722	6	4,067
New York.....	7,572	3	2,343
North Carolina.....	95,786	55	20,281
Rhode Island.....	26,203	15	5,323
South Carolina.....	75,069	26	15,963
Virginia.....	8,426	3	2,160
Other States.....	44,677	-----	-----
Total.....	467,596	162	90,053

Data for each of the mills with a pay period of more than one week were reduced to a 1-week basis.

Because of the carry-over of incomplete cuts from one week to another, wage figures for weavers were taken for two weeks in all mills and then reduced to a 1-week basis.

Average full-time hours per week were computed by dividing the combined full-time hours per week of all employees in the occupation by the number of employees in the occupation in one week. The full-time hours per week of each employee were used in arriving at this average, even though some employees worked more or less than full time on account of overtime, sickness, disability, or other cause.

Where no record of actual hours worked by piece workers was regularly kept, the officials of the mills, at the request of the bureau, had a record of the actual hours worked kept for a representative pay period.

Average earnings per hour include the earnings of both time workers and piece workers and were obtained by dividing the total earnings of

all employees in an occupation in one week by the total number of hours worked in that week by such employees.

Average full-time earnings per week were computed by multiplying the average earnings per hour of employees in the occupation by their average full-time hours per week. This is on the assumption that the earnings for full time would have been at the same average per hour as for the time that was actually worked in one week.

A description of each of the occupations or operations in a representative cotton mill appears in Bulletin No. 239 of the Bureau of Labor Statistics.

The occupations as published in this bulletin are approximately in the order of manufacture, as follows:

Picker tenders.	Warper tenders.
Card tenders and strippers.	Beamer tenders.
Card grinders.	Slasher tenders.
Drawing-frame tenders.	Drawers-in, hand.
Slubber tenders.	Drawing-in machine tenders.
Speeder tenders.	Warp-tying machine tenders.
Spinners, mule.	Loom fixers.
Spinners, frame.	Weavers.
Doffers.	Trimmers or inspectors.
Spooler tenders.	Other employees.
Creelers.	

## GENERAL TABLES

In addition to the preceding text tables, three general tables are presented as follows:

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

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

On page 36, near the end of the table, it is seen that the 53,243 males in the 162 mills worked on an average of 4.7 days in one week; that their average full-time hours in one week were 53.7; that they actually worked 43.9 hours in the week or 81.8 per cent of full time; that they earned an average of 34.6 cents per hour and \$15.19 in the week; and that had they worked full time of 53.7 hours at the same average per hour as was earned in the 43.9 hours they would have earned \$18.58 in the week.

The 36,810 females in the 162 mills worked on an average of 4.6 days in one week. Their average full-time hours per week were 52.9 and they worked an average of 40.9 hours in the week or 77.3 per cent of full time. They earned an average of 29.3 cents per hour and \$11.98 in the week. Had they worked the average full time of 52.9 hours per week at the same average as was earned in the 40.9 hours they would have earned an average of \$15.50 per week.



The 90,053 males and females in the 162 mills worked on an average of 4.6 days in one week. Their average full-time hours per week were 53.4, and in the week they worked an average of 42.7 hours or 80 per cent of full time. They earned an average of 32.5 cents per hour and \$13.88 in the week. Had they worked their average full-time hours of 53.4 per week at the same average per hour as was earned in the 42.7 hours they would have earned an average of \$17.36 per week.

TABLE B.—Average and classified earnings per hour in 10 specified occupations, 1930, by sex and State.

TABLE C.—Average and classified full-time hours per week in 10 specified occupations, 1930, by sex and State.

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

Occupation, sex, and State	Number of establishments	Number of employees	Average days on which employees worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full time worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>Picker tenders, male:</b>									
Alabama.....	6	92	4.0	55.4	38.3	69.1	\$0.222	\$12.30	\$8.49
Connecticut.....	5	25	5.6	51.6	42.5	101.7	.337	17.39	17.69
Georgia.....	15	159	4.6	56.5	45.5	80.5	.225	12.71	10.23
Maine.....	4	39	5.2	53.4	49.3	92.3	.328	17.52	16.16
Massachusetts.....	24	143	4.9	48.7	41.6	85.4	.362	17.63	15.05
New Hampshire.....	6	83	4.8	53.7	42.9	79.9	.379	20.35	16.26
New York.....	3	26	4.2	48.0	37.6	78.3	.404	19.39	15.19
North Carolina.....	54	225	4.5	55.0	43.3	78.7	.265	14.58	11.48
Rhode Island.....	15	41	4.8	52.0	44.8	86.2	.379	19.71	16.94
South Carolina.....	25	145	4.2	54.8	40.4	73.7	.224	12.28	9.04
Virginia.....	3	27	4.8	54.4	46.0	84.6	.240	13.06	11.03
Total.....	160	1,005	4.6	53.8	43.0	79.9	.284	15.28	12.20
<b>Card tenders and strippers, male:</b>									
Alabama.....	6	144	4.4	55.4	41.6	75.1	.250	13.85	10.39
Connecticut.....	5	50	5.5	51.4	50.7	98.6	.354	18.20	17.96
Georgia.....	15	273	4.0	56.5	40.5	71.7	.252	14.24	10.21
Maine.....	4	54	4.4	53.3	41.2	77.3	.329	17.54	13.54
Massachusetts.....	23	224	4.9	49.3	44.5	90.3	.423	20.85	18.83
New Hampshire.....	6	111	4.7	53.7	44.6	83.1	.398	21.37	17.76
New York.....	3	46	4.1	48.5	35.3	72.8	.444	21.53	15.68
North Carolina.....	54	423	4.1	54.9	40.3	73.4	.279	15.32	11.25
Rhode Island.....	15	105	4.9	51.6	45.0	87.2	.421	21.72	18.95
South Carolina.....	26	273	4.4	54.8	42.5	77.6	.259	14.19	11.01
Virginia.....	3	39	4.2	54.7	40.4	73.9	.272	14.88	10.98
Total.....	160	1,742	4.4	53.8	42.0	78.1	.314	16.89	13.20
<b>Card grinders, male:</b>									
Alabama.....	6	43	5.1	55.4	47.5	85.7	.370	20.50	17.55
Connecticut.....	5	13	5.5	50.7	51.4	101.4	.444	22.51	22.81
Georgia.....	14	79	5.0	56.5	50.8	89.9	.354	20.00	17.99
Maine.....	4	15	5.4	54.0	53.8	99.6	.417	22.52	22.44
Massachusetts.....	24	83	5.2	48.1	44.6	92.7	.482	23.18	21.51
New Hampshire.....	6	35	5.0	53.8	47.6	88.5	.500	26.90	23.81
New York.....	3	14	4.7	48.9	42.1	86.1	.539	23.36	22.71
North Carolina.....	53	137	5.0	55.1	49.4	89.7	.364	20.06	17.97
Rhode Island.....	14	31	5.2	52.1	48.3	92.7	.487	25.37	23.53
South Carolina.....	23	73	4.9	55.0	47.6	86.5	.371	20.41	17.65
Virginia.....	3	19	4.6	54.7	44.1	80.6	.331	18.11	14.60
Total.....	155	542	5.0	53.7	48.1	89.6	.403	21.64	19.38
<b>Drawing-frame tenders, male:</b>									
Alabama.....	5	62	4.1	55.1	39.2	71.1	.230	12.67	9.03
Connecticut.....	4	18	5.4	49.9	46.9	94.0	.333	16.62	15.62
Georgia.....	14	116	3.9	56.6	40.2	71.0	.247	13.98	9.94
Maine.....	2	19	4.9	51.3	52.5	102.3	.284	14.57	14.91
Massachusetts.....	15	94	4.6	49.5	41.3	83.4	.373	18.46	15.41
New Hampshire.....	4	13	4.8	54.3	47.5	87.5	.332	18.03	15.80
North Carolina.....	54	310	4.3	54.9	41.1	74.9	.279	15.32	11.46
Rhode Island.....	13	32	4.5	52.1	40.2	77.2	.346	18.03	13.94

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

Occupation, sex, and State	Number of establishments	Number of employees	Average days on which employees worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full time worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>Drawing-frame tenders, male—Continued.</b>									
South Carolina.....	26	218	4.1	54.8	38.5	70.3	\$0.248	\$13.59	\$9.54
Virginia.....	3	34	4.3	54.7	41.0	75.0	.288	15.75	11.82
Total.....	140	916	4.3	54.3	40.7	75.0	.280	15.20	11.37
<b>Drawing-frame tenders, female:</b>									
Alabama.....	4	85	4.7	55.6	43.7	78.6	.219	12.18	9.56
Connecticut.....	4	33	5.6	50.1	48.0	95.8	.312	15.63	14.95
Georgia.....	9	147	4.1	56.2	39.7	70.6	.210	11.80	8.35
Maine.....	3	47	4.7	53.5	43.2	80.7	.241	12.89	10.40
Massachusetts.....	16	127	4.6	48.0	36.8	76.7	.367	17.62	13.49
New Hampshire.....	5	64	4.7	53.7	41.6	77.5	.316	16.97	13.17
New York.....	3	39	3.6	48.0	30.4	63.3	.341	16.37	10.36
North Carolina.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Rhode Island.....	12	46	4.7	51.4	41.1	80.0	.308	15.83	12.63
South Carolina.....	5	5	4.4	55.0	41.5	75.5	.211	11.61	8.74
Total.....	62	595	4.5	52.6	40.1	76.2	.278	14.62	11.16
<b>Slubber tenders, male:</b>									
Alabama.....	6	96	4.4	55.4	40.4	72.9	.287	15.90	11.58
Connecticut.....	5	22	5.7	52.1	53.7	103.1	.420	21.88	22.55
Georgia.....	15	185	4.0	56.6	40.7	71.9	.320	18.11	13.00
Maine.....	4	43	4.7	53.2	45.0	84.6	.404	21.49	18.18
Massachusetts.....	22	130	4.8	49.2	41.4	84.1	.483	23.76	19.98
New Hampshire.....	6	55	4.7	53.8	43.8	81.4	.479	25.77	21.01
New York.....	3	23	4.0	48.0	32.6	67.9	.558	26.78	18.18
North Carolina.....	55	282	4.2	54.9	40.2	73.2	.341	18.72	13.71
Rhode Island.....	14	40	5.1	52.2	45.2	86.6	.482	25.16	21.78
South Carolina.....	26	195	4.3	54.8	41.0	74.8	.316	17.32	12.97
Virginia.....	3	35	3.4	54.6	32.0	58.6	.288	15.72	9.22
Total.....	159	1,106	4.4	54.1	41.0	75.8	.365	19.75	14.97
<b>Slubber tenders, female:</b>									
Connecticut.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Massachusetts.....	2	3	4.0	48.0	34.7	72.3	.493	23.66	17.08
New Hampshire.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
New York.....	2	8	3.8	48.0	30.3	63.1	.446	21.41	13.49
North Carolina.....	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Rhode Island.....	3	7	3.3	53.1	30.8	58.0	.350	18.59	10.76
South Carolina.....	2	2	5.0	52.5	31.0	59.0	.287	14.02	8.27
Total.....	12	25	3.9	50.7	33.1	65.3	.390	19.77	12.91
<b>Speeder tenders, male:</b>									
Alabama.....	5	147	4.3	55.3	39.0	70.5	.292	16.15	11.40
Connecticut.....	4	54	4.8	50.7	43.5	85.8	.423	21.45	18.40
Georgia.....	15	474	4.0	56.4	40.9	72.5	.300	16.92	12.28
Maine.....	4	43	4.7	52.8	44.2	83.7	.344	18.16	15.20
Massachusetts.....	18	211	4.5	54.0	43.6	80.7	.483	26.08	21.06
New Hampshire.....	5	55	5.2	53.8	48.2	89.6	.458	24.64	22.08
New York.....	3	47	4.0	48.0	33.2	69.2	.456	21.89	15.13
North Carolina.....	55	972	4.3	55.0	41.4	75.3	.340	18.70	14.10
Rhode Island.....	14	80	4.6	52.6	41.4	78.7	.441	23.20	18.27
South Carolina.....	26	744	4.2	54.7	40.5	74.0	.312	17.07	12.66
Virginia.....	3	112	4.1	54.6	38.6	70.7	.319	17.42	12.32
Total.....	152	2,939	4.3	54.8	41.1	75.0	.343	18.80	14.11
<b>Speeder tenders, female:</b>									
Alabama.....	6	170	4.5	55.2	40.3	73.0	.287	14.19	10.36
Connecticut.....	5	174	5.1	50.0	43.8	87.6	.377	18.85	16.51
Georgia.....	12	155	4.3	56.5	40.9	72.4	.297	16.78	12.13
Maine.....	4	211	4.9	53.9	43.7	81.1	.319	17.19	13.96
Massachusetts.....	24	1,023	5.0	47.9	40.0	83.5	.372	17.82	14.89
New Hampshire.....	6	191	5.1	53.2	44.5	83.6	.413	21.97	18.36
New York.....	3	182	3.9	48.0	32.5	67.7	.399	19.15	12.94
North Carolina.....	30	174	4.3	55.1	42.2	76.6	.295	16.25	12.43
Rhode Island.....	15	350	4.7	51.6	43.4	84.1	.385	19.87	16.69
South Carolina.....	25	308	4.2	54.7	39.4	72.0	.284	15.53	11.21
Virginia.....	3	33	4.6	55.0	44.2	80.4	.288	15.84	12.75
Total.....	133	2,971	4.7	51.3	40.9	79.7	.349	17.90	14.28

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

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

Occupation, sex, and State	Number of establishments	Number of employees	Average days on which employees worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full time worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>Spinners, mule, male:</b>									
Connecticut.....	3	72	3.8	49.2	33.6	68.3	\$0.635	\$31.24	\$21.33
Massachusetts.....	3	57	5.0	48.0	43.5	90.6	.654	31.39	28.44
Rhode Island.....	2	34	4.0	48.0	38.4	80.0	.784	37.63	30.12
Total.....	8	163	4.3	48.5	38.1	78.6	.674	32.69	25.65
<b>Spinners, frame, male:</b>									
Connecticut.....	2	84	3.8	50.3	37.6	74.8	.350	17.61	13.19
Georgia.....	6	43	3.6	57.8	41.1	71.1	.205	11.85	8.40
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	10	213	3.9	59.2	39.0	65.9	.405	23.98	15.79
New Hampshire.....	3	13	4.0	53.5	37.3	69.7	.412	22.04	15.36
New York.....	2	20	4.8	48.0	43.5	90.6	.520	24.96	22.62
North Carolina.....	7	65	3.5	54.5	32.5	59.6	.199	10.85	6.47
South Carolina.....	17	144	3.5	54.5	29.8	54.7	.172	9.37	5.12
Total.....	48	623	3.8	55.5	36.5	65.8	.322	17.87	11.77
<b>Spinners, frame, female:</b>									
Alabama.....	6	694	4.2	55.2	38.7	70.1	.215	11.87	8.33
Connecticut.....	5	223	5.3	51.2	46.6	91.0	.321	16.44	14.99
Georgia.....	15	1,311	4.0	56.6	39.9	70.5	.222	12.87	8.83
Maine.....	4	266	4.8	53.9	43.7	81.1	.311	16.76	13.62
Massachusetts.....	24	1,440	4.7	48.0	38.4	80.0	.342	16.42	13.15
New Hampshire.....	6	467	4.9	52.2	42.1	80.7	.400	20.88	16.86
New York.....	3	250	4.1	46.6	32.9	70.6	.416	19.39	13.71
North Carolina.....	55	2,449	4.1	55.0	38.7	70.4	.231	12.71	8.94
Rhode Island.....	15	570	4.6	51.0	41.9	82.2	.355	18.11	14.89
South Carolina.....	28	2,527	4.0	54.8	36.9	67.3	.222	12.17	8.19
Virginia.....	3	218	3.4	54.4	36.9	67.8	.245	13.33	9.05
Total.....	162	10,420	4.3	53.5	38.8	72.5	.286	14.23	10.34
<b>Doffers, male:</b>									
Alabama.....	6	330	4.4	55.2	39.6	71.7	.280	15.46	11.07
Connecticut.....	5	105	5.2	51.8	47.0	90.7	.311	16.11	14.59
Georgia.....	15	616	4.1	56.8	42.1	74.1	.288	16.36	12.12
Maine.....	3	37	5.0	53.1	43.2	81.4	.330	17.52	14.23
Massachusetts.....	22	509	5.0	49.3	42.9	87.0	.394	19.42	16.90
New Hampshire.....	5	118	5.4	53.9	49.2	91.3	.411	22.15	20.23
New York.....	3	76	4.2	48.0	37.0	77.1	.443	21.26	16.37
North Carolina.....	55	1,138	4.1	55.0	38.7	70.4	.303	16.67	11.73
Rhode Island.....	15	205	4.7	51.2	42.2	82.4	.405	20.74	17.10
South Carolina.....	28	873	4.1	54.7	39.2	71.7	.271	14.82	10.64
Virginia.....	3	107	4.0	54.7	37.7	68.9	.261	14.28	9.87
Total.....	158	4,114	4.3	54.1	40.6	75.0	.315	17.04	12.79
<b>Doffers, female:</b>									
Connecticut.....	4	21	4.5	49.7	38.3	77.1	.232	11.53	8.89
Maine.....	4	113	4.7	53.5	40.5	75.7	.293	15.68	11.86
Massachusetts.....	5	57	4.8	48.0	40.1	83.5	.366	17.57	14.65
New Hampshire.....	2	46	4.4	54.0	39.8	73.7	.361	19.49	14.34
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
North Carolina.....	2	5	5.4	55.0	50.0	90.9	.310	17.05	15.49
Rhode Island.....	10	46	4.4	51.3	39.9	77.8	.231	11.85	9.21
Total.....	28	320	4.5	51.5	39.1	75.9	.313	16.12	12.24
<b>Spooler tenders, male:</b>									
Alabama.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
North Carolina.....	6	12	4.3	55.0	42.6	77.5	.227	12.49	9.68
South Carolina.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	8	23	4.4	55.3	43.3	78.3	.210	11.61	9.11

1 Data included in total.

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

Occupation, sex, and State	Number of establishments	Number of employees	Average days on which employees worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full time worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>Spooler tenders, female:</b>									
Alabama.....	6	379	4.6	55.4	39.3	70.9	\$0.190	\$10.53	\$7.47
Connecticut.....	5	177	4.9	51.1	43.8	85.7	.261	13.34	11.42
Georgia.....	15	624	3.8	56.7	37.8	66.7	.222	12.59	8.89
Maine.....	4	88	4.5	53.9	41.0	76.1	.292	15.74	11.99
Massachusetts.....	24	825	4.9	47.9	39.7	82.9	.289	13.84	11.48
New Hampshire.....	6	122	4.9	53.7	43.6	81.2	.351	18.85	15.31
New York.....	3	91	3.9	48.0	32.1	66.9	.368	17.66	11.82
North Carolina.....	55	1,239	4.1	55.1	39.3	71.3	.238	13.11	9.36
Rhode Island.....	14	202	5.0	52.1	45.5	87.3	.296	15.42	13.45
South Carolina.....	26	617	4.2	54.9	39.5	71.9	.234	12.85	9.25
Virginia.....	3	90	3.8	54.6	36.7	67.2	.280	12.56	8.45
Total.....	161	4,454	4.4	53.5	39.6	74.0	.251	13.43	9.95
<b>Creelers, male:</b>									
Alabama.....	4	7	4.1	55.1	38.4	69.7	.190	10.47	7.30
Connecticut.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Georgia.....	6	14	4.1	57.2	41.0	71.7	.235	13.44	9.63
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
North Carolina.....	13	39	4.6	55.4	44.1	79.6	.313	17.34	13.80
Rhode Island.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
South Carolina.....	13	34	4.3	54.7	42.7	78.1	.260	13.68	10.65
Total.....	39	100	4.4	55.2	43.3	78.4	.279	15.40	12.07
<b>Creelers, female:</b>									
Alabama.....	5	44	4.1	55.3	35.6	64.4	.225	12.44	8.00
Connecticut.....	4	20	4.4	50.1	39.1	78.0	.290	14.53	11.33
Georgia.....	11	112	3.7	56.9	37.3	65.6	.201	11.44	7.51
Maine.....	2	8	5.4	54.0	48.6	90.0	.214	11.56	10.39
Massachusetts.....	10	72	5.0	48.0	41.7	86.9	.294	14.11	12.25
New Hampshire.....	3	10	4.4	53.6	40.0	74.6	.366	19.62	14.64
New York.....	3	19	3.3	48.0	26.9	54.0	.328	15.74	8.49
North Carolina.....	41	147	4.2	55.1	40.9	74.2	.245	13.50	10.03
Rhode Island.....	10	38	4.7	52.7	42.7	81.0	.279	14.70	11.89
South Carolina.....	13	48	4.5	55.0	41.3	75.1	.270	14.85	11.14
Virginia.....	3	23	3.1	54.8	30.0	54.7	.249	13.65	7.46
Total.....	105	541	4.2	53.9	39.0	72.4	.252	13.58	9.84
<b>Warper tenders, male:</b>									
Alabama.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Georgia.....	4	13	5.3	56.5	51.8	91.7	.293	16.55	15.19
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	3	4	3.8	59.5	33.8	56.8	.366	21.78	12.39
New Hampshire.....	2	12	3.8	54.0	36.3	67.2	.470	25.38	17.08
North Carolina.....	45	144	4.4	55.1	41.5	75.3	.353	19.73	14.86
South Carolina.....	4	17	5.2	55.0	49.7	90.4	.333	18.59	16.79
Virginia.....	2	8	4.1	54.4	39.4	72.4	.298	16.21	11.72
Total.....	62	203	4.5	55.1	42.6	77.3	.354	19.51	15.08
<b>Warper tenders, female:</b>									
Alabama.....	6	29	4.8	55.2	41.5	75.2	.281	15.51	11.65
Connecticut.....	5	52	5.2	51.1	46.5	91.0	.345	17.63	16.04
Georgia.....	13	71	4.0	56.6	39.4	69.6	.280	15.85	11.02
Maine.....	4	17	4.6	53.8	41.5	77.1	.333	18.18	14.05
Massachusetts.....	23	149	4.9	48.0	40.4	84.2	.347	16.66	14.02
New Hampshire.....	6	33	4.8	53.7	43.1	80.3	.440	23.63	18.98
New York.....	3	12	4.0	48.0	32.8	68.3	.409	19.63	13.41
North Carolina.....	18	46	4.4	55.1	41.6	75.5	.270	14.88	11.24
Rhode Island.....	14	48	5.0	52.0	45.1	86.7	.368	19.14	16.60
South Carolina.....	25	94	4.6	54.7	44.0	80.4	.296	16.19	13.02
Virginia.....	2	12	4.1	55.0	39.2	71.3	.322	17.71	12.61
Total.....	119	563	4.7	52.4	42.0	80.2	.318	17.19	13.78

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

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

Occupation, sex, and State	Number of establishments	Number of employees	Average days on which employees worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full time worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>Beamer tenders, male:</b>									
Connecticut.....	2	6	6.0	53.8	55.2	102.6	\$0.481	\$25.88	\$26.52
Georgia.....	3	33	5.2	55.5	48.1	86.7	.404	22.42	19.42
Massachusetts.....	2	20	5.0	48.0	35.5	74.0	.524	25.15	18.63
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
North Carolina.....	20	141	4.4	55.4	40.7	73.5	.465	25.76	18.95
Rhode Island.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Virginia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	30	208	4.7	54.6	42.3	77.5	.464	25.33	19.62
<b>Beamer tenders, female:</b>									
Georgia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
North Carolina.....	2	2	4.5	55.0	42.5	77.3	.239	13.15	10.17
Total.....	5	36	5.1	53.3	44.6	83.7	.373	19.88	16.63
<b>Slasher tenders, male:</b>									
Alabama.....	6	45	5.0	55.4	45.2	81.6	.274	15.18	12.36
Connecticut.....	5	23	5.5	51.0	54.3	106.5	.483	24.63	26.24
Georgia.....	14	108	4.4	56.2	45.9	81.7	.309	17.37	14.18
Maine.....	4	21	5.6	54.0	51.6	95.6	.451	24.35	23.29
Massachusetts.....	23	127	5.2	48.7	46.2	94.9	.505	24.59	23.32
New Hampshire.....	6	45	5.1	53.8	45.5	84.6	.513	27.60	23.32
New York.....	3	18	4.8	48.0	41.2	85.8	.577	27.70	23.79
North Carolina.....	52	206	4.6	55.0	45.5	82.7	.367	20.19	16.71
Rhode Island.....	14	44	5.2	51.8	48.6	93.8	.484	24.64	23.51
South Carolina.....	25	172	4.8	54.9	45.7	83.2	.293	16.09	13.40
Virginia.....	3	18	5.2	55.0	50.5	91.8	.331	18.21	16.71
Total.....	155	827	4.9	53.6	46.3	86.4	.384	20.58	17.78
<b>Drawers-in, hand, male:</b>									
Georgia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maine.....	2	5	6.0	54.0	55.3	102.4	.297	16.04	16.45
Massachusetts.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
North Carolina.....	3	5	5.0	55.0	48.0	87.3	.286	15.73	13.72
South Carolina.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Virginia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	9	17	4.6	53.5	44.0	82.2	.320	17.12	14.07
<b>Drawers-in, hand, female:</b>									
Alabama.....	6	40	4.9	55.2	42.2	76.4	.220	12.14	9.28
Connecticut.....	5	45	4.7	52.4	41.1	78.4	.440	23.06	18.07
Georgia.....	11	61	4.6	56.8	41.1	72.4	.301	17.10	12.38
Maine.....	3	33	5.9	54.0	52.8	97.8	.336	18.14	17.72
Massachusetts.....	16	208	5.3	48.0	43.2	90.0	.419	20.11	18.12
New Hampshire.....	5	54	5.4	53.9	49.2	91.3	.357	19.24	17.53
New York.....	3	38	4.5	48.0	39.2	81.7	.445	21.36	17.42
North Carolina.....	40	187	4.7	55.1	43.3	78.6	.315	17.36	13.66
Rhode Island.....	12	73	4.2	51.2	38.3	74.8	.421	21.56	16.11
South Carolina.....	24	138	5.1	55.0	45.0	81.8	.292	16.06	13.14
Virginia.....	3	37	5.4	55.0	49.6	90.2	.314	17.27	15.57
Total.....	128	917	5.0	52.7	43.7	82.9	.352	18.55	15.35
<b>Drawing-in machine tenders, male:</b>									
Alabama.....	2	3	4.3	55.3	38.6	69.8	.326	18.03	12.57
Connecticut.....	3	4	6.0	53.3	53.8	100.9	.478	25.48	25.70
Georgia.....	7	14	4.5	56.6	44.8	79.2	.336	19.02	15.07
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	11	35	5.2	48.0	43.2	90.0	.530	25.44	22.92
New Hampshire.....	3	7	4.6	53.7	40.5	75.4	.476	25.56	19.30
North Carolina.....	24	33	4.0	55.3	39.9	72.2	.407	22.51	16.25
Rhode Island.....	4	9	5.1	52.0	48.1	92.5	.481	25.01	23.12
South Carolina.....	3	4	5.8	55.0	56.4	102.5	.364	20.02	20.50
Virginia.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	59	112	4.8	52.7	43.7	82.9	.444	23.40	19.40

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

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

Occupation, sex, and State	Number of establishments	Number of employees	Average days on which employees worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full time worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>Drawing-in machine tenders, female:</b>									
Connecticut.....	2	3	4.7	50.3	42.3	84.1	\$0.484	\$24.35	\$20.47
Massachusetts.....	3	6	3.8	48.0	32.2	67.1	.374	17.95	12.04
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Rhode Island.....	3	7	5.3	50.6	46.1	91.1	.401	20.29	18.50
Total.....	9	17	4.7	49.8	41.0	82.3	.408	20.32	16.74
<b>Warp-tying machine tenders, male:</b>									
Alabama.....	6	24	5.3	55.3	48.8	88.2	.352	19.47	17.15
Connecticut.....	5	10	5.8	50.8	52.1	102.6	.580	29.46	30.24
Georgia.....	14	49	4.4	56.4	43.4	77.0	.337	19.01	14.61
Maine.....	2	8	5.3	54.0	48.1	89.1	.390	21.06	18.79
Massachusetts.....	11	56	5.2	48.4	43.8	90.5	.482	23.33	21.08
New Hampshire.....	3	14	5.5	53.8	49.6	92.2	.407	25.12	23.14
New York.....	3	8	5.5	48.0	51.8	107.9	.575	27.60	29.75
North Carolina.....	32	85	4.8	55.1	47.0	85.3	.394	21.71	18.50
Rhode Island.....	8	14	5.0	53.1	47.4	89.3	.539	28.62	25.57
South Carolina.....	25	76	4.8	54.8	47.2	86.1	.377	20.66	17.83
Virginia.....	3	6	4.7	55.0	47.3	86.0	.339	18.65	16.05
Total.....	112	350	4.9	53.7	46.5	86.6	.412	22.12	19.15
<b>Loom fixers, male:</b>									
Alabama.....	6	229	5.0	55.6	45.8	82.4	.396	22.02	18.16
Connecticut.....	5	117	5.4	50.7	46.7	92.1	.580	29.41	27.13
Georgia.....	15	415	4.8	56.7	48.6	85.7	.379	21.49	18.42
Maine.....	4	122	5.4	53.9	49.3	91.5	.537	28.94	26.48
Massachusetts.....	23	634	5.3	48.8	44.9	92.0	.586	28.60	26.30
New Hampshire.....	6	164	5.1	53.8	48.2	89.6	.613	32.98	29.55
New York.....	3	98	5.0	48.1	42.9	89.2	.737	35.45	31.64
North Carolina.....	54	883	4.8	55.0	46.8	85.1	.457	25.14	21.37
Rhode Island.....	14	237	4.8	51.3	44.5	86.7	.590	30.27	26.26
South Carolina.....	25	723	4.8	54.8	47.9	87.4	.403	22.08	19.31
Virginia.....	3	78	5.5	54.7	51.3	93.8	.436	23.85	22.37
Total.....	158	3,700	5.0	53.5	46.8	87.5	.483	25.84	22.60
<b>Weavers, male:</b>									
Alabama.....	6	412	4.5	55.3	42.4	76.7	.327	18.08	13.86
Connecticut.....	4	427	5.2	50.4	45.5	90.3	.435	21.92	19.78
Georgia.....	15	932	4.4	56.2	43.5	77.4	.308	17.31	13.42
Maine.....	4	173	4.9	53.7	44.6	83.1	.449	24.11	20.05
Massachusetts.....	22	2,285	5.4	48.0	45.2	94.2	.460	22.08	20.78
New Hampshire.....	6	148	5.1	54.1	49.6	91.7	.460	24.89	22.79
New York.....	3	167	4.5	48.3	38.8	80.3	.554	26.76	21.51
North Carolina.....	54	2,142	4.5	55.1	43.7	79.3	.372	20.50	16.23
Rhode Island.....	14	631	4.6	51.3	42.9	83.6	.489	25.09	21.00
South Carolina.....	25	1,289	4.6	54.8	43.9	80.1	.347	19.02	15.21
Virginia.....	3	183	5.3	54.7	49.8	91.0	.340	18.60	16.93
Total.....	156	8,789	4.8	52.7	44.2	83.9	.400	21.08	17.67
<b>Weavers, female:</b>									
Alabama.....	6	348	4.6	55.4	42.0	75.8	.300	16.62	12.61
Connecticut.....	5	326	5.4	50.6	46.7	92.3	.409	20.70	19.09
Georgia.....	14	592	4.5	56.0	43.6	77.9	.303	16.97	13.21
Maine.....	4	150	5.2	53.9	46.1	85.5	.408	21.99	18.84
Massachusetts.....	22	2,206	5.6	48.0	43.8	91.3	.413	19.92	18.17
New Hampshire.....	6	183	5.0	53.6	45.8	85.4	.495	26.42	22.58
New York.....	3	159	4.9	48.0	41.7	86.9	.527	25.30	21.99
North Carolina.....	53	1,188	4.5	55.1	43.0	78.0	.337	18.57	14.51
Rhode Island.....	14	585	4.7	50.9	43.5	85.5	.463	23.57	20.17
South Carolina.....	25	782	4.4	54.8	39.0	71.2	.312	17.10	12.14
Virginia.....	3	134	5.1	54.9	47.7	86.9	.321	17.62	15.31
Total.....	155	6,653	5.0	52.0	43.2	83.1	.381	19.81	16.47

† Data included in total.

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

Occupation, sex, and State	Number of establishments	Number of employees	Average days on which employees worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full time worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>Trimmers or inspectors, male:</b>									
Alabama.....	2	6	3.8	55.0	37.7	68.5	\$0.197	\$10.84	\$7.42
Connecticut.....	2	3	6.0	50.3	50.3	100.0	.399	20.10	20.10
Georgia.....	6	20	4.9	55.8	46.5	83.3	.227	12.67	10.55
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	8	13	5.2	49.8	43.7	87.8	.411	20.47	17.94
New Hampshire.....	4	30	4.8	53.1	42.9	80.8	.494	26.23	21.20
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
North Carolina.....	21	122	5.0	55.0	47.2	85.8	.302	16.61	14.22
Rhode Island.....	5	25	4.2	51.6	39.4	76.4	.377	19.45	14.84
South Carolina.....	7	20	4.8	55.0	42.7	77.6	.238	13.09	10.16
Virginia.....	2	4	5.3	55.0	52.3	95.1	.311	17.11	16.23
Total.....	59	248	4.9	54.0	45.2	83.7	.326	17.60	14.74
<b>Trimmers or inspectors, female:</b>									
Alabama.....	6	130	4.7	55.0	43.3	78.7	.179	8.85	7.73
Connecticut.....	4	71	5.4	49.8	45.3	91.0	.255	12.70	11.55
Georgia.....	14	238	4.7	56.1	45.9	81.8	.204	11.44	9.34
Maine.....	4	129	5.7	54.0	47.4	87.8	.244	13.13	11.56
Massachusetts.....	21	424	5.3	47.9	42.3	88.3	.271	12.98	11.47
New Hampshire.....	5	173	4.6	52.2	40.9	78.4	.336	17.54	13.76
New York.....	3	46	5.4	48.0	45.0	93.8	.336	16.13	15.11
North Carolina.....	39	292	4.7	54.9	43.6	79.4	.238	13.07	10.36
Rhode Island.....	13	225	4.8	51.7	44.0	85.1	.279	14.42	12.27
South Carolina.....	21	233	4.8	55.0	42.2	76.7	.196	10.78	8.28
Virginia.....	3	34	5.4	55.0	50.0	90.9	.234	13.97	12.68
Total.....	133	1,995	5.0	52.6	43.7	83.1	.248	13.04	10.84
<b>Other employees, male:</b>									
Alabama.....	6	1,962	4.6	55.2	42.9	77.7	.257	14.19	11.02
Connecticut.....	5	657	5.4	51.0	48.3	94.7	.388	19.79	18.72
Georgia.....	15	3,811	4.6	56.5	45.1	79.8	.270	15.26	12.17
Maine.....	4	890	5.4	53.8	49.8	92.6	.340	18.29	16.95
Massachusetts.....	24	3,602	5.2	48.6	44.0	90.5	.380	18.47	16.75
New Hampshire.....	6	1,255	5.1	53.6	47.0	87.7	.441	23.64	20.74
New York.....	3	637	5.0	48.1	43.1	89.6	.445	21.40	19.21
North Carolina.....	55	5,944	4.6	55.0	43.9	79.8	.283	15.57	12.43
Rhode Island.....	15	1,255	4.9	52.0	45.5	87.5	.387	20.12	17.38
South Carolina.....	26	4,919	4.6	54.8	44.5	81.2	.266	14.58	11.81
Virginia.....	3	574	4.7	54.6	44.8	82.1	.282	15.40	12.62
Total.....	162	25,516	4.8	53.8	44.7	83.1	.312	16.79	13.93
<b>Other employees, female:</b>									
Alabama.....	6	514	4.2	55.0	39.8	72.4	.172	9.46	6.83
Connecticut.....	5	234	5.3	50.7	46.3	91.3	.317	16.07	14.69
Georgia.....	15	958	4.0	56.6	39.4	69.6	.201	11.38	7.91
Maine.....	4	416	5.1	53.8	45.9	85.3	.282	15.17	12.96
Massachusetts.....	24	1,179	5.0	48.0	40.5	84.4	.287	13.78	11.63
New Hampshire.....	6	536	5.2	53.4	46.6	87.3	.338	18.05	15.76
New York.....	3	283	4.8	48.0	39.5	82.3	.336	16.13	13.26
North Carolina.....	54	1,231	4.2	55.0	39.4	71.6	.233	12.82	9.18
Rhode Island.....	15	340	4.7	51.5	43.8	85.0	.330	17.00	14.46
South Carolina.....	26	1,285	4.5	54.8	41.2	75.2	.219	12.00	9.00
Virginia.....	3	327	4.6	55.0	43.7	79.5	.199	10.95	8.70
Total.....	161	7,303	4.6	53.3	41.4	77.7	.253	13.48	10.47
<b>All male employees:</b>									
Alabama.....	6	3,611	4.6	55.3	42.4	76.7	.279	15.43	11.82
Connecticut.....	5	1,692	5.2	50.8	46.4	91.3	.417	21.18	19.37
Georgia.....	15	7,355	4.4	56.5	44.3	78.4	.266	16.16	12.68
Maine.....	4	1,519	5.2	53.7	48.4	90.1	.372	19.98	17.98
Massachusetts.....	24	8,443	5.2	49.0	44.1	90.0	.431	21.12	19.00
New Hampshire.....	6	2,159	5.1	53.7	46.9	87.3	.454	24.38	21.28
New York.....	3	1,184	4.7	48.1	41.1	85.4	.492	23.67	20.21
North Carolina.....	55	13,318	4.5	55.0	43.2	78.5	.322	17.71	13.91

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

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

Occupation, sex, and State	Number of establishments	Number of employees	Average days on which employees worked in week	Average full-time hours per week	Average hours actually worked in week	Per cent of full time worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in week
<b>All male employees—Continued.</b>									
Rhode Island.....	15	2,786	4.8	51.8	44.3	85.5	\$0.440	\$22.79	\$19.48
South Carolina.....	26	9,924	4.5	54.8	43.4	79.2	.292	16.00	12.69
Virginia.....	3	1,252	4.7	54.7	44.3	81.0	.307	16.79	13.60
Total.....	162	53,243	4.7	53.7	43.9	81.8	.346	18.58	15.19
<b>All female employees:</b>									
Alabama.....	6	2,433	4.4	55.2	40.1	72.6	.217	11.98	8.70
Connecticut.....	5	1,386	5.2	50.7	45.4	89.5	.341	17.29	15.47
Georgia.....	15	4,272	4.1	56.5	40.3	71.3	.232	13.11	9.36
Maine.....	4	1,481	5.0	53.8	44.7	83.1	.304	16.36	13.59
Massachusetts.....	24	7,724	5.1	48.0	41.0	85.4	.353	16.94	14.47
New Hampshire.....	6	1,908	5.0	53.1	44.1	83.1	.379	20.12	16.72
New York.....	3	1,159	4.3	47.7	36.0	75.5	.400	19.08	14.40
North Carolina.....	55	6,963	4.2	55.0	40.2	73.1	.267	14.14	10.33
Rhode Island.....	15	2,537	4.7	51.3	43.1	84.0	.367	18.83	15.83
South Carolina.....	26	6,039	4.3	54.8	39.0	71.2	.240	13.15	9.35
Virginia.....	3	908	4.5	54.8	42.1	76.8	.246	13.48	10.33
Total.....	162	36,810	4.6	52.9	40.9	77.3	.293	15.50	11.98
<b>All employees, male and female:</b>									
Alabama.....	6	6,044	4.5	55.3	41.4	74.9	.255	14.10	10.57
Connecticut.....	5	3,078	5.2	50.8	46.0	90.6	.383	19.46	17.61
Georgia.....	15	11,627	4.3	56.5	42.8	75.8	.268	15.14	11.46
Maine.....	4	3,000	5.1	53.8	46.6	86.6	.340	18.29	15.81
Massachusetts.....	24	16,187	5.1	48.5	42.6	87.8	.395	19.16	16.84
New Hampshire.....	6	4,067	5.0	53.4	45.6	85.4	.420	22.43	19.14
New York.....	3	2,343	4.5	47.9	38.6	80.6	.450	21.56	17.34
North Carolina.....	55	20,281	4.4	55.0	42.1	76.5	.301	16.56	12.68
Rhode Island.....	15	5,323	4.8	51.6	43.7	84.7	.406	20.95	17.74
South Carolina.....	26	15,963	4.4	54.8	41.8	76.3	.274	15.02	11.43
Virginia.....	3	2,160	4.6	54.7	43.4	79.3	.282	15.43	12.23
Total.....	162	90,053	4.6	53.4	42.7	80.0	.325	17.36	13.88



TABLE B.—Average and classified earnings per hour in 10 specified occupations, 1930, by sex and State

Occupation, sex, and State	Number of establishments	Number of employees	Average earnings per hour	Number of employees whose earnings in cents per hour were—																				
				Under 8	8, under 10	10, under 12	12, under 14	14, under 16	16, under 18	18, under 20	20, under 25	25, under 30	30, under 35	35, under 40	40, under 45	45, under 50	50, under 60	60, under 70	70, under 80	80, under 90	90, under 100	100, under 110	110, under 125	
<b>Picker tenders, male:</b>																								
Alabama.....	6	92	\$.222				2	20	10	36	21	3												
Connecticut.....	5	25	.337								5	10	9	1										
Georgia.....	15	159	.225				5	13	17	95	26	1	2											
Maine.....	4	39	.328								8	22	7	2										
Massachusetts.....	24	143	.362								3	6	56	45	28	1	4							
New Hampshire.....	6	83	.379									4	4	77	1		1							
New York.....	3	26	.404									11	1	10	4									
North Carolina.....	54	225	.265					1	1	67	106	48	2	11	1									
Rhode Island.....	15	41	.379								1	11	17	10	1	1								
South Carolina.....	25	145	.224				1	1	10	106	17	6	1	2	1									
Virginia.....	3	27	.240								21	6												
Total.....	160	1,005	.284				8	35	38	328	196	172	161	54	7	6								
<b>Card tenders and strippers, male:</b>																								
Alabama.....	6	144	.250						4	60	70	10												
Connecticut.....	5	50	.354								4	11	28	7										
Georgia.....	15	273	.252					1	159	91	12	10	10											
Maine.....	4	54	.329							4	3	41	5	1										
Massachusetts.....	23	224	.423								1	4	61	109	40	9								
New Hampshire.....	6	111	.398									12	48	35	16									
New York.....	3	46	.444									2	1	33	4	6								
North Carolina.....	54	423	.279						1	112	188	96	23	2	1									
Rhode Island.....	15	105	.421									4	32	45	18	6								
South Carolina.....	26	273	.259						1	127	99	45	1											
Virginia.....	3	39	.272							15	16	8												
Total.....	160	1,742	.314						7	477	472	245	209	232	78	22								
<b>Speeder tenders, male:</b>																								
Alabama.....	5	147	.292					2	4	32	40	60	9											
Connecticut.....	4	54	.423									9	14	13	9	9								
Georgia.....	15	474	.300		1		2	1	5	55	208	136	39	23	3	1								
Maine.....	4	43	.344							2	6	19	3	8	2	2								
Massachusetts.....	18	211	.483								1	10	32	49	41	53	23	1			1			
New Hampshire.....	5	55	.458								1	1	9	13	19	12								
New York.....	3	47	.456								1	2	4	12	19	9								
North Carolina.....	55	972	.340			2	2		10	81	140	317	266	102	37	13						1	1	









TABLE C.—Average and classified full-time hours per week in 10 specified occupations, 1930, by sex and State

Occupation, sex, and State	Number of establishments	Number of employes	Average full-time hours per week	Number of employes whose full-time hours per week were—							
				Under 48	48	Over 48, under 54	54	Over 54, under 57	57, under 60	60	Over 60
<b>Picker tenders, male:</b>											
Alabama.....	6	92	55.4					92			
Connecticut.....	5	25	51.6		12			13			
Georgia.....	15	159	56.5					104	14	41	
Maine.....	4	39	53.4			6	33				
Massachusetts.....	24	143	48.7	2	129			1		9	
New Hampshire.....	6	83	53.7			31	40	12			
New York.....	3	26	48.0		26						
North Carolina.....	54	225	55.0			5		214		6	
Rhode Island.....	15	41	52.0		14		27				
South Carolina.....	25	145	54.8			6		139			
Virginia.....	3	27	54.4			3		24			
<b>Total.....</b>	<b>160</b>	<b>1,005</b>	<b>53.8</b>	<b>2</b>	<b>181</b>	<b>51</b>	<b>100</b>	<b>599</b>	<b>14</b>	<b>56</b>	<b>2</b>
<b>Card tenders and strippers, male:</b>											
Alabama.....	6	144	55.4					144			
Connecticut.....	5	50	51.4		26			24			
Georgia.....	15	273	56.5					177	25	71	
Maine.....	4	54	53.3			10	44				
Massachusetts.....	23	224	49.3	3	195					20	
New Hampshire.....	6	111	53.7			41	58	12			
New York.....	3	46	48.5		44					2	
North Carolina.....	54	423	54.9			19		395		9	
Rhode Island.....	15	105	51.6		46		55			4	
South Carolina.....	26	273	54.8			12		261		4	
Virginia.....	3	39	54.7			2		37			
<b>Total.....</b>	<b>160</b>	<b>1,742</b>	<b>53.8</b>	<b>3</b>	<b>311</b>	<b>84</b>	<b>157</b>	<b>1,050</b>	<b>25</b>	<b>106</b>	<b>6</b>
<b>Speeder tenders, male:</b>											
Alabama.....	5	147	55.3					147			
Connecticut.....	4	54	50.7		33			21			
Georgia.....	15	474	56.4					318	38	118	
Maine.....	4	43	52.8			13	30				
Massachusetts.....	18	211	54.0		115					82	
New Hampshire.....	5	55	53.8			13	38	4			
New York.....	3	47	48.0		47						
North Carolina.....	55	972	55.0			28		911		33	
Rhode Island.....	14	80	52.6		19		61				
South Carolina.....	26	744	54.7			42		702			
Virginia.....	3	112	54.6			10		102			
<b>Total.....</b>	<b>152</b>	<b>2,939</b>	<b>54.8</b>		<b>214</b>	<b>106</b>	<b>129</b>	<b>2,205</b>	<b>38</b>	<b>233</b>	<b>14</b>
<b>Speeder tenders, female:</b>											
Alabama.....	6	170	55.2					170			
Connecticut.....	5	174	50.0		124			50			
Georgia.....	12	155	56.5					100	15	40	
Maine.....	4	211	53.9			8	198	5			
Massachusetts.....	24	1,023	47.9	21	1,002						
New Hampshire.....	6	191	53.2	5		84	152				
New York.....	3	182	48.0		182						
North Carolina.....	30	174	55.1					171		3	
Rhode Island.....	15	350	51.6		139	5	206				
South Carolina.....	25	308	54.7			20		288			
Virginia.....	3	33	55.0					33			
<b>Total.....</b>	<b>133</b>	<b>2,971</b>	<b>51.3</b>	<b>26</b>	<b>1,447</b>	<b>67</b>	<b>556</b>	<b>817</b>	<b>15</b>	<b>43</b>	
<b>Spinners, frame, male:</b>											
Connecticut.....	2	84	50.3		12	63		9			
Georgia.....	6	43	57.8					19		24	
Maine.....	1	(1)	(1)				(1)				
Massachusetts.....	10	213	59.2		47			3		93	
New Hampshire.....	3	13	53.5			6	7				
New York.....	2	20	48.0		20	6					
North Carolina.....	7	65	54.5			6		59			
South Carolina.....	17	144	54.5			13		131			
<b>Total.....</b>	<b>48</b>	<b>623</b>	<b>55.5</b>		<b>79</b>	<b>88</b>	<b>48</b>	<b>221</b>		<b>117</b>	<b>70</b>

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

TABLE C.—Average and classified full-time hours per week in 10 specified occupations, 1930, by sex and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Number of employees whose full-time hours per week were—						
				Under 48	48	Over 48, under 54	54	Over 54, under 57	57, under 60	Over 60
<b>Spinners, frame, female:</b>										
Alabama	6	694	55.2					694		
Connecticut	5	228	51.2		125			103		
Georgia	15	1,311	56.6					833	95	383
Maine	4	266	53.9			10	255	1		
Massachusetts	24	1,440	48.0	5	1,435					
New Hampshire	6	467	52.2	27		188	252			
New York	3	250	46.6	15	235					
North Carolina	55	2,449	55.0			61		2,318		70
Rhode Island	15	570	51.0	18	193	7	352			
South Carolina	26	2,527	54.3			119		2,408		
Virginia	3	218	54.4			24		194		
Total	162	10,420	53.5	65	1,988	409	859	6,551	95	453
<b>Dofters, male:</b>										
Alabama	6	330	55.2	5				325		
Connecticut	5	105	51.8		38	13		54		
Georgia	15	616	56.3					367	50	199
Maine	3	37	53.1			9	26	2		
Massachusetts	22	609	49.3	3	453					46
New Hampshire	5	118	53.9			13	105			
New York	3	76	48.0		76					
North Carolina	55	1,138	55.0			34		1,061		43
Rhode Island	15	205	51.2	5	74		122			4
South Carolina	26	873	54.7			45		828		
Virginia	3	107	54.7			7		100		
Total	158	4,114	54.1	13	641	121	253	2,737	50	292
<b>Dofters, female:</b>										
Connecticut	4	21	49.7		16			5		
Maine	4	113	53.5			15	98			
Massachusetts	5	57	48.0		57					
New Hampshire	2	46	54.0				46			
New York	1	(1)	(1)		(1)					
North Carolina	2	5	55.0					5		
Rhode Island	10	46	51.3		21		25			
Total	28	320	51.5		126	15	169	10		
<b>Spooler tenders, male:</b>										
Alabama	1	(1)	(1)					(1)		
North Carolina	6	12	55.0					12		
South Carolina	1	(1)	(1)					(1)		
Total	8	23	55.3					23		
<b>Spooler tenders, female:</b>										
Alabama	6	379	55.4					379		
Connecticut	5	177	51.1		99			78		
Georgia	15	624	56.7					407	15	202
Maine	4	88	53.9			2	86			
Massachusetts	24	825	47.9	12	813					
New Hampshire	6	122	53.7			34	88			
New York	3	91	48.0		91					
North Carolina	55	1,239	55.1			4		1,207		28
Rhode Island	14	202	52.1		64		138			
South Carolina	26	617	54.9			18		599		
Virginia	3	90	54.6			8		82		
Total	161	4,454	53.5	12	1,067	66	312	2,752	15	230
<b>Slasher tenders, male:</b>										
Alabama	6	45	55.4					45		
Connecticut	5	23	51.0		13			10		
Georgia	14	108	56.2					74	15	19
Maine	4	21	54.0				21			
Massachusetts	23	127	48.7		120			1		4
New Hampshire	6	45	53.8			8	37			
New York	3	18	48.0		18					
North Carolina	52	206	55.0			5		197		4
Rhode Island	14	44	51.8		16		28			
South Carolina	25	172	54.9			5		167		
Virginia	3	18	55.0					18		
Total	155	827	53.6		167	18	86	512	15	27

1 Data included in total.

TABLE C.—Average and classified full-time hours per week in 10 specified occupations, 1930, by sex and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Number of employees whose full-time hours per week were—						
				Under 48	48	Over 48, under 54	54	Over 54, under 57	57, under 60	60
<b>Loom fixers, male:</b>										
Alabama	6	229	55.6					217		12
Connecticut	5	117	50.7		69	4		44		
Georgia	15	415	56.7					218	113	84
Maine	4	122	53.9			4	116	2		
Massachusetts	23	634	48.8		560	50		115		9
New Hampshire	6	164	53.8			36		13		
New York	3	98	48.1		97			1		
North Carolina	54	883	55.0			23		830		30
Rhode Island	14	237	51.3		107		130			
South Carolina	25	723	54.8					689		
Virginia	3	78	54.7			4		74		
Total	158	3,700	53.5		833	155	361	2,090	113	135
<b>Weavers, male:</b>										
Alabama	6	412	55.3					412		
Connecticut	4	427	50.4		254	33		140		
Georgia	15	932	56.2					659	94	179
Maine	4	173	53.7			14	152	7		
Massachusetts	22	2,285	48.0	95	1,991			45		154
New Hampshire	6	148	54.1			10	119	19		
New York	3	167	48.3		161			6		
North Carolina	54	2,142	55.1			68		1,977		97
Rhode Island	14	631	51.3		283		348			
South Carolina	25	1,289	54.8			58		1,231		
Virginia	3	183	54.7			10		173		
Total	156	8,789	52.7	95	2,689	193	619	4,669	94	430
<b>Weavers, female:</b>										
Alabama	6	348	55.4					348		
Connecticut	5	326	50.6		206			120		
Georgia	14	592	56.0					443	52	97
Maine	4	150	53.9			2	148			
Massachusetts	22	2,206	48.0	1	2,205					
New Hampshire	6	183	53.6			59	124			
New York	3	159	48.0		159					
North Carolina	53	1,188	55.1			30		1,110		48
Rhode Island	14	685	50.9		300		285			
South Carolina	25	782	54.8			37		745		
Virginia	8	134	54.9			2		132		
Total	155	6,653	52.0	1	2,870	130	557	2,898	52	145
<b>Trimmers or inspectors, male:</b>										
Alabama	2	6	55.0					6		
Connecticut	2	3	50.3		2			1		
Georgia	6	20	55.8					17		3
Maine	1	( <sup>1</sup> )	( <sup>1</sup> )				( <sup>1</sup> )			
Massachusetts	8	13	49.8		11					2
New Hampshire	4	30	53.1			24	6			
New York	1	( <sup>1</sup> )	( <sup>1</sup> )		( <sup>1</sup> )					
North Carolina	21	122	55.0					122		
Rhode Island	5	25	51.6		10		15			
South Carolina	7	20	55.0					20		
Virginia	2	4	55.0					4		
Total	59	248	54.0		27	24	22	170		5
<b>Trimmers or inspectors, female:</b>										
Alabama	6	130	55.0					130		
Connecticut	4	71	49.8		53			18		
Georgia	14	238	56.1					160	42	36
Maine	4	129	54.0				129			
Massachusetts	21	424	47.9	12	412					
New Hampshire	5	173	52.2	16		74	83			
New York	3	46	48.0		46					
North Carolina	39	292	54.9			15		266		11
Rhode Island	13	225	51.7	13	64		148			
South Carolina	21	263	55.0					233		
Virginia	3	34	55.0					34		
Total	183	1,995	52.6	41	575	89	360	841	42	47

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