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WAGES AND HOURS OF LABOR SERIES

**WAGES AND HOURS OF LABOR
IN WOOLEN AND WORSTED
GOODS MANUFACTURING
1910 TO 1928**



JUNE, 1929

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WAGES AND HOURS OF LABOR IN WOOLEN AND WORSTED GOODS MANUFACTURING, 1910 TO 1928

INTRODUCTION AND SUMMARY

The 1928 figures in this report are the results of a study in that year by the Bureau of Labor Statistics of wages and hours of labor of 38,850 wage earners of 92 representative woolen and worsted goods manufacturing establishments in the United States. Summaries of average full-time hours per week, earnings per hour, and of average full-time earnings per week for 1928 and for each of the years from 1910 to 1928 in which studies have been made are presented in Table 1 for the industry and also for each of the principal occupations in the industry. Index numbers of these averages are given in the last three columns of the table for the industry and also for each of the occupations for which averages are shown for 1913, the 1913 average being taken as the base, or 100 per cent.

AVERAGE HOURS AND EARNINGS, 1910 TO 1928, BY OCCUPATIONS

The industry averages are presented at the beginning of Table 1. Those for the years 1910 to 1914 are for wage earners in the selected occupations only and are comparable one year with another. Those for the years from 1914 to 1928 are for all wage earners in all occupations in the industry and also are comparable one year with another but should not be compared with the 1910 to 1914 averages for selected occupations.

Between 1926 and 1928 there was no change in average full-time hours per week for the industry, the average for each year being 49.3 hours per week. Average earnings per hour for the industry increased from 49.1 cents in 1926 to 51.4 cents in 1928, or 4.7 per cent, and average full-time earnings per week increased from \$24.21 in 1926 to \$25.34 in 1928.

Average full-time hours per week of males in 1928 by occupations ranged from 48.2 for drawing-frame tenders to 53.2 for gill-box tenders and of females ranged from 48.1 for card tenders to 50.3 for gill-box tenders, comber tenders, and doffers.

Average earnings per hour of males in 1928 by occupations ranged from 30.3 cents for doffers to 82.1 cents for loom fixers and of females ranged from 28.4 cents for doffers to 60.5 cents per hour for weavers.

Average full-time earnings per week of males in 1928 by occupations ranged from \$15.24 for doffers to \$40.23 for loom fixers and of females ranged from \$14.29 for doffers to \$29.52 for weavers.

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

Average full-time hours per week for the industry increased from an index of 101.3 in 1910 to 101.6 in 1911, decreased to 86.2 in 1920, and then gradually increased to 88 in 1926 and 1928. The decrease between 1913 and 1920 was 13.8 per cent. The increase between 1920 and 1928 was 2.1 per cent.

Average earnings per hour increased from an index of 90.4 in 1910 to 353.7 in 1920 and then dropped to 267.0 in 1922, increased to 300.2 in 1924, decreased to 276.5 in 1926, and increased to 289.5 in 1928. The increase between 1913 and 1920 was 253.7 per cent, and the decrease between 1920 and 1928 was 18.2 per cent.

Average full-time earnings per week to a very great extent followed the trend of average earnings per hour, increasing from an index of 91.2 in 1910 to 303.6 in 1920, decreasing to 231.5 in 1922, increasing to 262 in 1924, decreasing to 242.3 in 1926, and increasing again to 253.6 in 1928. The decrease between 1913 and 1920 was 203.6 per cent, and the net decrease between 1920 and 1928 was 16.5 per cent.

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

Occupation and sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
THE INDUSTRY									
Selected occupations.....	1910	19	11,912	56.6	\$0.178	\$10.05	101.3	90.4	91.2
	1911	27	16,342	56.8	.179	10.18	101.6	90.9	92.4
	1912	46	17,517	55.9	.201	11.23	100.0	102.0	101.9
	1913	47	15,653	55.9	.197	11.02	100.0	100.0	100.0
	1914	48	18,333	54.9	.202	11.06	98.2	102.5	100.4
All occupations.....	1914	48	40,061	55.0	.182	10.03			
	1916	61	49,954	54.8	.225	12.34	97.8	126.7	123.5
	1918	63	51,928	54.3	.342	18.57	97.0	192.6	185.9
	1920	67	38,164	48.3	.628	30.33	86.2	353.7	303.6
	1922	67	39,430	48.8	.474	23.13	87.1	267.0	231.5
	1924	72	41,622	49.1	.533	26.17	87.7	300.2	262.0
	1926	112	39,970	49.3	.491	24.21	88.0	276.5	242.3
	1928	92	38,850	49.3	.514	25.34	88.0	289.5	253.6

¹ 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 averages for selected occupations only are comparable one year with another, as are those for all occupations one year with another from 1914 to 1928.

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

Occupation and sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
Wool sorters:									
Male -----									
	1910	18	289	56.3	\$0.247	\$13.86	102.4	87.9	89.8
	1911	19	444	56.4	.241	13.54	102.5	85.8	87.8
	1912	19	471	55.2	.267	14.72	100.4	95.0	95.4
	1913	19	246	55.0	.281	15.43	100.0	100.0	100.0
	1914	15	381	54.2	.276	14.97	98.5	98.2	97.0
	1916	17	412	54.1	.329	17.80	98.4	117.1	115.4
	1918	20	538	54.4	.460	24.94	98.9	163.7	161.6
	1920	22	423	48.1	.871	41.90	87.5	310.0	271.5
	1922	17	358	48.4	.710	34.36	88.0	252.7	222.7
	1924	19	359	49.5	.776	38.41	90.0	276.2	248.9
	1926	30	445	50.8	.713	36.22	92.4	253.7	234.7
	1928	22	392	49.9	.728	36.33	90.7	259.1	235.5
Female -----									
	1920	1	28	48.0	.901	43.25			
	1922	3	37	48.0	.702	33.70			
	1924	5	65	48.2	.608	29.31			
	1926	2	37	48.0	.698	33.50			
	1928	2	27	48.3	.565	27.29			
Wool-washer tenders:									
Male -----									
	1920	20	113	48.8	.583	28.45			
	1922	23	93	49.2	.446	21.94			
	1924	20	119	49.3	.513	25.29			
	1926	33	122	50.2	.463	23.24			
	1928	25	105	50.6	.484	24.49			
Picker tenders:									
Male -----									
	1920	41	277	48.3	.530	25.60			
	1922	43	276	49.3	.428	21.10			
	1924	45	275	49.3	.471	23.22			
	1926	56	245	49.7	.438	21.77			
	1928	56	306	49.5	.457	22.62			
Card tenders:									
Male -----									
	1910	26	201	56.9	.127	7.25	101.1	89.4	90.5
	1911	40	320	57.1	.136	7.73	101.4	95.8	96.5
	1912	40	412	56.4	.135	7.64	100.2	95.1	95.4
	1913	40	329	56.3	.142	8.01	100.0	100.0	100.0
	1914	41	398	56.1	.147	8.26	99.6	103.5	103.1
	1916	47	533	55.8	.186	10.38	99.1	131.0	129.6
	1918	47	599	54.8	.287	15.75	97.3	202.1	196.6
	1920	43	444	48.4	.517	25.02	86.0	364.1	312.4
	1922	46	514	49.5	.405	20.05	87.9	285.2	250.3
	1924	47	528	49.4	.473	23.37	87.7	333.1	291.8
	1926	70	531	49.8	.419	20.87	88.5	295.1	260.5
	1928	62	550	50.3	.447	22.48	89.3	314.8	280.6
Female -----									
	1920	11	103	48.3	.437	21.11			
	1922	10	109	48.2	.351	16.92			
	1924	12	94	48.0	.409	19.63			
	1926	19	166	48.1	.365	17.78			
	1928	15	136	48.1	.383	18.42			
Card strippers:									
Male -----									
	1910	27	162	57.0	.153	8.69	100.9	91.1	91.9
	1911	42	223	57.1	.151	8.62	101.1	89.9	91.1
	1912	42	240	56.9	.163	9.29	100.7	97.0	98.2
	1913	42	235	56.5	.168	9.46	100.0	100.0	100.0
	1914	43	250	55.7	.169	9.44	98.6	100.6	99.8
	1916	48	303	55.5	.209	11.61	98.2	124.4	122.7
	1918	48	359	54.8	.324	17.77	97.0	192.9	187.8
	1920	45	292	48.2	.570	27.47	85.3	339.3	290.4
	1922	46	311	49.5	.433	21.43	87.6	257.7	226.5
	1924	49	368	50.6	.506	25.60	89.6	301.2	270.6
	1926	73	381	49.5	.464	22.97	87.6	276.2	242.8
	1928	65	351	49.7	.475	23.61	88.0	282.7	249.6
Card grinders:									
Male -----									
	1922	12	28	48.4	.491	23.76			
	1924	15	37	48.8	.602	29.38			
	1926	18	36	50.9	.537	26.64			
	1928	17	42	49.3	.529	26.08			

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

Occupation and sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
Gill-box tenders:									
Male									
	1920	8	130	49.8	\$0.502	\$25.00			
	1922	8	288	48.3	.363	17.53			
	1924	8	343	49.9	.439	21.91			
	1926	13	209	50.1	.405	20.29			
	1928	7	282	53.2	.392	20.85			
Female									
	1920	15	383	48.4	.442	21.39			
	1922	15	413	49.1	.339	16.64			
	1924	14	435	49.4	.382	18.87			
	1926	21	296	51.0	.326	16.63			
	1928	20	393	50.3	.382	19.21			
Comber tenders:									
Male									
	1910	6	106	56.5	.139	7.87	103.1	89.1	92.5
	1911	9	188	56.5	.141	7.94	103.1	90.4	93.3
	1912	9	181	55.1	.156	8.56	100.5	100.0	100.6
	1913	9	115	54.8	.156	8.51	100.0	100.0	100.0
	1914	6	228	55.8	.161	9.00	101.8	103.2	105.8
	1916	8	274	56.3	.199	11.18	102.7	127.6	131.4
	1918	9	248	55.8	.314	17.49	101.8	201.3	205.5
	1920	10	162	48.9	.552	26.99	89.2	353.8	317.2
	1922	11	209	48.1	.435	20.92	87.8	278.8	245.8
	1924	7	212	49.6	.522	25.89	90.5	334.6	304.2
	1926	10	171	50.5	.478	24.14	92.2	306.4	283.7
	1928	9	222	51.4	.484	24.88	93.8	310.3	292.4
Female									
	1910	6	129	55.5	.111	6.13	98.9	94.9	93.3
	1911	7	139	55.8	.109	6.10	99.5	93.2	92.8
	1912	7	150	55.8	.116	6.47	99.5	99.1	98.5
	1913	7	163	56.1	.117	6.57	100.0	100.0	100.0
	1914	6	162	54.8	.119	6.52	97.7	101.7	99.2
	1916	10	178	53.5	.177	9.46	95.4	151.3	144.0
	1918	12	328	52.8	.258	13.59	94.1	220.5	206.8
	1920	12	155	48.7	.478	23.28	86.8	408.5	354.3
	1922	10	100	49.7	.385	19.13	88.6	329.1	291.2
	1924	10	114	49.2	.418	20.57	87.7	357.3	313.1
	1926	17	163	49.9	.378	18.86	88.2	323.1	287.1
	1928	17	150	50.3	.456	22.94	89.7	389.7	349.2
Drawing-frame tenders:									
Male									
	1916	5	211	55.0	.178	9.80			
	1918	6	193	54.1	.264	14.81			
	1920	6	51	48.0	.501	24.05			
	1922	8	189	48.1	.378	18.18			
	1924	8	263	49.2	.439	21.60			
	1926	9	271	48.8	.380	18.54			
	1928	6	66	48.2	.386	18.61			
Female									
	1916	14	1,603	53.7	.170	9.15			
	1918	15	1,760	52.9	.250	13.24			
	1920	16	1,758	48.3	.445	21.49			
	1922	17	1,615	48.5	.349	16.93			
	1924	15	1,885	48.9	.397	19.41			
	1926	26	1,753	49.7	.352	17.49			
	1928	25	1,766	49.4	.356	17.59			
Spinners, mule:									
Male									
	1910	26	529	57.0	.224	12.75	100.9	93.7	94.8
	1911	40	638	57.3	.224	12.81	101.4	93.7	95.2
	1912	40	719	56.5	.240	13.56	100.0	100.4	100.8
	1913	42	828	56.5	.239	13.45	100.0	100.0	100.0
	1914	42	897	56.0	.249	13.88	99.1	104.2	103.2
	1916	46	1,222	55.3	.316	17.51	97.9	132.2	130.2
	1918	46	1,431	54.9	.499	27.42	97.2	208.8	203.9
	1920	46	960	48.2	.816	39.33	85.3	341.4	292.4
	1922	44	1,119	49.2	.670	32.96	87.1	280.3	245.1
	1924	47	1,290	48.9	.755	36.92	86.5	315.9	274.5
	1926	69	1,240	49.7	.695	34.54	88.0	290.8	256.8
	1928	61	1,106	49.5	.684	33.86	87.6	286.2	251.7
Spinners, frame:									
Male									
	1910	2	114	56.0	.125	7.01	103.7	91.9	95.6
	1911	3	194	56.0	.132	7.37	103.7	97.1	100.5
	1912	3	244	54.0	.158	8.53	100.0	116.2	116.4
	1913	3	115	54.0	.136	7.33	100.0	100.0	100.0
	1914	3	282	53.9	.145	7.80	99.8	106.6	106.4
	1916	3	266	53.9	.191	10.30	99.8	140.4	140.5
	1918	5	161	53.0	.316	16.74	98.1	232.4	228.4
	1920	4	49	48.0	.558	26.78	88.9	410.3	365.3
	1922	4	45	48.0	.357	17.14	88.9	262.5	233.8
	1924	3	46	50.0	.421	21.05	92.6	309.6	287.2

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

Occupation and sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
Spinners, frame—Continued.									
Female.....	1910	8	578	56.0	\$0.122	\$6.85	100.9	87.1	88.0
	1911	10	1,002	56.4	.126	7.07	101.6	90.0	90.9
	1912	10	1,070	55.2	.144	7.92	99.5	102.9	101.8
	1913	10	751	55.5	.140	7.78	100.0	100.0	100.0
	1914	9	970	54.2	.147	7.99	97.7	105.0	102.7
	1916	14	1,202	53.9	.180	9.68	97.1	128.6	124.4
	1918	15	1,330	52.4	.278	14.62	94.4	198.6	187.9
	1920	14	1,026	48.2	.481	23.18	86.8	343.6	297.9
	1922	15	972	48.4	.345	16.70	87.2	246.4	214.7
	1924	14	1,106	48.9	.417	20.39	88.1	297.9	262.1
	1926	23	1,228	49.8	.362	18.03	89.7	258.6	231.7
	1928	22	1,281	49.7	.383	19.04	89.5	273.6	244.7
Doffers:									
Male.....	1916	5	255	49.8	.161	8.05			
	1918	5	138	50.5	.266	13.58			
	1920	6	108	46.3	.497	23.01			
	1922	5	165	47.0	.299	14.05			
	1924	7	214	49.9	.301	15.02			
	1926	5	47	48.2	.288	13.88			
	1928	9	73	50.3	.303	15.24			
Female.....	1916	12	709	52.2	.135	7.05			
	1918	12	829	48.6	.203	9.85			
	1920	14	561	46.7	.352	16.44			
	1922	14	619	48.1	.275	13.23			
	1924	10	566	48.1	.315	15.15			
	1926	22	701	49.9	.280	13.97			
	1928	20	588	50.3	.284	14.29			
Twister tenders:									
Female.....	1910	10	332	56.9	.126	7.16	102.7	93.3	95.5
	1911	12	600	56.7	.131	7.40	102.3	97.0	98.7
	1912	12	751	55.7	.137	7.62	100.5	101.5	101.6
	1913	12	598	55.4	.135	7.50	100.0	100.0	100.0
	1914	11	884	54.3	.144	7.81	98.0	106.7	104.1
	1916	23	1,028	54.2	.174	9.43	97.8	128.9	125.7
	1918	24	802	53.9	.256	13.80	97.3	189.6	184.0
	1920	34	1,043	48.3	.457	22.07	87.2	338.5	294.3
	1922	40	892	49.3	.352	17.35	89.0	260.7	231.3
	1924	38	914	49.3	.418	20.61	89.0	309.6	274.8
	1926	65	1,117	49.7	.364	18.09	89.7	269.6	241.2
	1928	57	1,319	50.0	.354	17.70	90.3	262.2	236.0
Spooler tenders:									
Female.....	1916	55	1,571	54.1	.173	9.40			
	1918	56	1,514	53.6	.270	14.51			
	1920	55	1,474	48.2	.458	22.08			
	1922	59	1,247	48.7	.383	18.65			
	1924	64	1,228	48.6	.419	20.36			
	1926	95	1,283	49.1	.391	19.20			
	1928	82	1,407	49.0	.371	18.18			
Dresser tenders:									
Male.....	1910	27	214	57.1	.242	13.80	101.4	92.0	93.2
	1911	46	337	57.1	.243	13.85	101.4	92.4	93.6
	1912	46	384	56.4	.262	14.71	100.2	99.6	99.4
	1913	46	347	56.3	.263	14.80	100.0	100.0	100.0
	1914	47	363	55.2	.273	15.03	98.0	103.8	101.6
	1916	55	422	55.0	.318	17.47	97.7	120.9	118.0
	1918	58	469	54.6	.452	24.28	97.0	171.9	164.1
	1920	63	403	48.6	.767	37.28	86.3	201.6	251.9
	1922	58	493	48.8	.653	31.87	86.7	248.3	215.3
	1924	65	467	49.3	.748	36.88	87.6	284.4	249.2
	1926	85	545	49.1	.705	34.62	87.2	268.1	239.9
	1928	79	583	49.0	.700	34.30	87.0	266.2	231.8
Drawers-in:									
Male.....	1924	10	40	51.6	.690	35.60			
	1926	22	59	50.2	.666	33.43			
	1928	6	16	51.7	.693	35.83			
Female.....	1916	52	424	54.7	.250	13.68			
	1918	55	406	54.2	.355	19.23			
	1920	63	392	48.3	.595	28.74			
	1922	60	436	48.5	.480	23.28			
	1924	62	455	49.1	.535	26.27			
	1926	84	533	48.9	.497	24.30			
	1928	80	624	48.7	.625	25.57			

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

Occupation and sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
Loom fixers:									
Male.....	1910	27	429	56.6	\$0.279	\$15.76	101.4	93.9	95.2
	1911	46	569	56.7	.275	15.59	101.6	92.6	94.2
	1912	46	589	55.9	.308	17.13	100.2	103.7	103.5
	1913	47	581	55.8	.297	16.55	100.0	100.0	100.0
	1914	47	651	55.1	.312	17.18	98.7	105.1	103.8
	1916	60	794	54.9	.381	20.70	98.4	128.3	125.1
	1918	61	843	54.5	.552	30.04	97.7	185.9	181.5
	1920	64	736	48.3	.973	47.00	86.6	327.6	284.0
	1922	64	747	48.4	.754	36.49	86.7	253.9	220.5
	1924	68	821	49.0	.870	42.63	87.8	292.9	257.6
	1926	99	748	49.0	.807	39.54	87.8	271.7	238.9
	1928	83	692	49.0	.821	40.23	87.8	276.4	243.1
Weavers:									
Male.....	1910	27	2,907	57.1	.207	11.79	101.4	89.2	90.3
	1911	46	4,049	57.1	.210	11.97	101.4	90.5	91.7
	1912	46	4,476	56.3	.237	13.30	100.0	102.2	101.8
	1913	47	3,834	56.3	.232	13.06	100.0	100.0	100.0
	1914	48	4,336	55.2	.238	13.10	98.0	102.6	100.3
	1916	61	5,431	54.9	.304	15.95	97.5	131.0	122.1
	1918	61	5,812	54.5	.470	25.52	96.8	202.6	195.4
	1920	64	4,825	48.3	.807	38.98	85.8	347.8	298.5
	1922	64	5,518	48.3	.616	29.75	85.8	265.5	227.8
	1924	68	5,725	48.8	.701	34.21	86.7	302.2	261.9
	1926	97	5,528	48.9	.652	31.88	86.9	281.0	244.1
	1928	83	4,641	48.9	.658	32.18	86.9	283.6	246.4
Female.....	1910	27	2,855	56.3	.180	10.14	100.5	91.4	91.9
	1911	46	3,384	56.8	.184	10.47	101.4	93.4	94.9
	1912	46	3,586	55.9	.206	11.48	99.8	104.6	104.1
	1913	47	3,493	56.0	.197	11.03	100.0	100.0	100.0
	1914	48	3,862	54.7	.203	11.08	97.7	103.0	100.5
	1916	61	4,505	54.5	.271	14.76	97.3	137.6	133.8
	1918	61	5,295	54.1	.406	21.96	96.6	206.1	199.1
	1920	63	3,783	48.3	.747	36.08	86.3	379.2	327.1
	1922	63	3,622	48.4	.576	27.88	86.4	292.4	252.5
	1924	67	3,713	48.9	.654	31.98	87.3	332.0	289.9
	1926	89	2,748	49.2	.600	29.52	87.9	304.6	267.6
	1928	79	2,419	48.8	.605	29.52	87.1	307.1	267.7
Cloth inspectors:									
Male.....	1920	10	251	48.0	.763	36.62	.....	.....	.....
	1922	49	315	48.3	.560	27.05	.....	.....	.....
	1924	19	246	48.7	.582	28.34	.....	.....	.....
	1926	23	235	48.3	.563	27.19	.....	.....	.....
	1928	31	281	48.6	.572	27.80	.....	.....	.....
Female.....	1920	16	144	48.3	.504	24.34	.....	.....	.....
	1922	7	54	48.4	.373	18.05	.....	.....	.....
	1924	18	245	48.6	.484	23.52	.....	.....	.....
	1926	21	103	49.6	.421	20.88	.....	.....	.....
	1928	11	75	48.5	.428	20.76	.....	.....	.....
Burlers:									
Female.....	1910	26	1,034	56.5	.130	7.33	101.6	89.0	90.0
	1911	43	1,516	56.8	.130	7.36	102.2	89.0	90.4
	1912	44	1,562	55.9	.145	8.25	100.5	99.3	101.4
	1913	44	1,643	55.6	.146	8.14	100.0	100.0	100.0
	1914	44	1,756	54.6	.155	8.47	98.2	106.2	104.1
	1916	55	1,889	54.6	.185	10.09	98.2	126.7	124.0
	1918	55	1,867	54.1	.276	14.94	97.3	189.0	183.5
	1920	64	2,321	48.4	.452	21.88	87.1	309.6	268.8
	1922	61	1,773	48.2	.371	17.88	86.7	254.1	219.7
	1924	60	1,711	49.2	.420	20.66	88.5	287.7	253.8
	1926	90	1,722	49.3	.381	18.78	88.7	261.0	230.7
	1928	79	1,691	49.3	.383	18.88	88.7	262.3	231.9
Menders:									
Female.....	1910	25	1,196	56.8	.160	9.09	102.7	87.4	89.9
	1911	44	1,623	56.8	.160	9.07	102.7	87.4	89.7
	1912	44	1,668	55.7	.189	10.50	100.7	103.3	103.9
	1913	42	1,388	55.3	.183	10.11	100.0	100.0	100.0
	1914	43	1,501	54.4	.195	10.57	98.4	106.6	104.5
	1916	53	1,767	54.3	.245	13.28	98.2	133.9	131.4
	1918	53	1,685	54.1	.349	18.91	97.8	190.7	187.0
	1920	61	1,729	48.5	.603	29.25	87.7	329.5	289.3
	1922	63	1,985	48.4	.445	21.54	87.5	243.2	213.1
	1924	64	1,850	48.5	.534	25.90	87.7	291.8	256.2
	1926	91	2,121	48.6	.507	24.64	87.9	277.0	243.7
	1928	82	2,086	48.5	.488	23.67	87.7	266.7	234.1

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

Occupation and sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week	Index numbers of—		
							Full-time hours per week	Earnings per hour	Full-time earnings per week
Perchers:									
Male	1920	59	419	48.4	\$0.687	\$33.25			
	1922	55	352	48.6	.520	25.27			
	1924	61	466	49.1	.601	29.51			
	1926	91	462	49.1	.559	27.45			
	1928	80	470	48.8	.567	27.67			
Female	1920	13	43	49.8	.468	23.31			
	1922	15	75	48.4	.432	20.91			
	1924	10	35	48.4	.452	21.88			
	1926	16	97	48.6	.482	23.43			
	1928	13	65	48.6	.438	21.29			
Fullers:									
Male	1920	53	195	48.6	.590	28.67			
	1922	52	248	49.1	.468	22.98			
	1924	51	227	49.0	.512	25.09			
	1926	75	223	49.4	.464	22.92			
	1928	68	259	49.0	.494	24.21			
Washer tenders, cloth:									
Male	1920	56	378	48.6	.574	27.90			
	1922	59	330	49.6	.461	22.87			
	1924	60	402	49.7	.518	25.74			
	1926	85	353	49.7	.442	21.97			
	1928	73	378	50.0	.462	23.10			
Dryer tenders, cloth:									
Male	1920	56	276	48.4	.551	26.67			
	1922	57	219	50.3	.453	22.79			
	1924	59	267	49.8	.506	25.20			
	1926	84	222	49.9	.444	22.16			
	1928	71	230	50.1	.468	23.45			
Truckers:									
Male	1920	62	1,205	48.1	.505	24.29			
	1922	60	1,334	48.2	.299	19.23			
	1924	64	1,672	49.2	.451	22.19			
	1926	93	1,236	48.9	.408	19.95			
	1928	79	1,419	48.5	.417	20.22			
Laborers, dye house:									
Male	1910	27	837	56.3	.143	8.06	101.3	89.9	91.2
	1911	45	1,116	56.6	.145	8.22	101.8	91.2	93.0
	1912	45	1,093	55.5	.157	8.72	99.8	98.7	98.6
	1913	46	1,041	55.6	.159	8.84	100.0	100.0	100.0
	1914	47	1,427	54.9	.160	8.75	98.7	100.6	99.0
	1916	55	1,636	55.0	.197	10.83	98.9	123.9	122.5
	1918	55	1,606	54.7	.304	16.60	98.4	191.2	187.8
	1920	52	961	48.3	.564	27.24	86.9	354.7	308.1
	1922	54	1,032	48.9	.435	21.32	87.9	273.6	241.2
	1924	59	877	49.2	.490	24.11	88.5	308.2	272.7
	1926	82	1,008	49.4	.445	21.98	88.8	279.9	248.6
	1928	72	962	49.1	.463	22.73	88.3	291.2	257.1
Other employees:									
Male	1914	47	13,947	55.7	.180	10.03			
	1916	63	16,978	55.8	.225	12.51			
	1918	63	17,308	55.3	.330	18.24			
	1920	67	7,194	48.6	.580	28.19			
	1922	67	7,797	49.6	.455	22.57			
	1924	72	7,984	49.3	.509	25.09			
	1926	112	7,826	49.4	.480	23.71			
	1928	92	7,623	49.5	.501	24.80			
Female	1914	46	7,781	54.2	.139	7.54			
	1916	61	6,347	53.9	.168	9.05			
	1918	63	6,407	53.4	.250	13.37			
	1920	67	3,349	48.2	.421	20.29			
	1922	61	3,461	48.9	.336	16.43			
	1924	68	3,939	49.1	.382	18.76			
	1926	105	3,750	49.4	.346	17.09			
	1928	86	3,774	49.2	.355	17.47			

AVERAGE HOURS AND EARNINGS, 1926 AND 1928, BY STATES

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

Average full-time hours per week of males in 1926 ranged by States from 48.2 to 51.8 and of females from 48.0 to 52.3. In 1928 the averages for males ranged from 48.0 to 52.2 and for females ranged from 48.0 to 52.5. The average for all males and females combined, or for the industry, ranged from 48.1 to 51.8 in 1926 and from 48.0 to 52.4 in 1928.

Average earnings per hour of males in 1926 ranged by State from 52.2 to 56.7 cents and of females from 37.2 to 47.4 cents, and for both sexes combined from 48.2 to 52.6 cents per hour. The 1928 averages for males ranged from 50.1 to 61.9 cents, and for females from 37.2 to 50.9 cents, and for both sexes combined from 44.9 to 57.5 cents per hour.

Average full-time earnings per week of males in 1926 ranged by State from \$25.93 to \$29.37 and of females from \$19.31 to \$23.19, and of both sexes from \$23.23 to \$26.62. The 1928 averages for males ranged from \$25.55 to \$31.01, for females from \$18.77 to \$24.58, and for males and females combined from \$23.21 to \$27.83 per week.

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

Sex and State	Number of establishments		Number of employees		Average full-time hours per week		Average earnings per hour		Average full-time weekly earnings	
	1926	1928	1926	1928	1926	1928	1926	1928	1926	1928
MALES										
Connecticut.....	10	10	1,635	1,504	49.4	49.1	\$0.557	\$0.600	\$27.52	\$29.46
Maine.....	15	16	2,309	2,173	50.4	50.6	.537	.561	27.06	28.39
Massachusetts.....	15	13	8,830	7,808	48.2	48.8	.538	.552	25.93	26.94
New Hampshire.....	5	5	1,204	1,097	50.4	51.0	.522	.501	26.31	25.55
New Jersey.....	5	6	---	2,124	---	48.5	---	.619	---	30.02
New York.....	5	4	1,360	1,024	49.9	50.8	.541	.549	27.00	27.89
Pennsylvania.....	40	23	2,799	1,687	51.8	52.2	.567	.594	29.37	31.01
Rhode Island.....	14	12	3,153	3,013	48.4	48.4	.550	.576	26.62	27.88
Vermont.....	8	3	862	619	50.6	48.0	.547	.547	27.68	26.26
Total.....	112	92	22,152	21,049	49.3	49.4	.545	.568	26.87	28.06
FEMALES										
Connecticut.....	10	10	682	718	49.1	49.2	.450	.474	22.10	23.32
Maine.....	15	16	1,204	1,220	50.6	50.2	.448	.483	22.67	24.25
Massachusetts.....	15	13	6,839	6,387	48.0	48.0	.430	.450	20.64	21.60
New Hampshire.....	5	5	843	817	52.3	52.5	.422	.372	22.07	19.53
New Jersey.....	5	6	---	1,673	---	48.3	---	.509	---	24.58
New York.....	5	4	1,036	731	48.9	48.4	.474	.465	23.18	22.51
Pennsylvania.....	40	23	3,683	2,997	51.9	52.5	.372	.383	19.31	20.11
Rhode Island.....	14	12	3,252	2,822	48.1	48.1	.413	.423	19.87	20.35
Vermont.....	8	3	279	436	51.2	48.0	.453	.391	23.19	18.77
Total.....	112	92	17,818	17,801	49.3	49.2	.418	.438	20.61	21.55
MALES AND FEMALES										
Connecticut.....	10	10	2,317	2,222	49.3	49.1	.526	.562	25.93	27.59
Maine.....	15	16	3,513	3,393	50.4	50.4	.507	.534	25.55	26.91
Massachusetts.....	15	13	15,069	14,195	48.1	48.4	.496	.511	23.86	24.73
New Hampshire.....	5	5	2,047	1,914	51.2	51.7	.482	.449	24.68	23.21
New Jersey.....	5	6	---	3,797	---	48.4	---	.575	---	27.83
New York.....	5	4	2,396	1,755	49.5	49.8	.515	.519	25.49	25.85
Pennsylvania.....	40	23	6,482	4,684	51.8	52.4	.459	.469	23.78	24.58
Rhode Island.....	14	12	6,405	5,835	48.2	48.2	.482	.511	23.23	24.63
Vermont.....	8	3	1,141	1,055	50.8	48.0	.524	.485	26.62	23.28
Total.....	112	92	39,970	38,850	49.3	49.3	.491	.514	24.21	25.34

AVERAGE AND CLASSIFIED EARNINGS PER HOUR

Average and classified earnings per hour are presented in Table 3 for mule spinners, frame spinners, and for weavers, male, and for weavers, female, for each of the years from 1910 to 1928 in which data for woolen and worsted goods manufacturing have been collected and published by the Bureau of Labor Statistics; also for the wage earners in 10 other important occupations in the industry for two years only, 1926 and 1928. The classification for these occupations is representative of all of the occupations in the industry. Like figures are shown for 1928 in Table B, pages 31 to 35, by State for the employees in each of these 13 occupations.

The 1928 figures in the table are for males only in 4, for females only in 4, and for both sexes in 5 of the 13 occupations. The 9,901 males in these occupations represent 47 per cent of all of the males that were included in the study in that year, the 11,401 females represent 64 per cent of all of the females, and the males and females together represent 54.8 per cent of all of the employees included in that study. The primary purpose of this table and of Table B is to show the difference in the spread of average earnings per hour of individual workers.

The average earnings per hour of employees in the various occupations as shown in Table 3 were computed by dividing the combined earnings of all employees in the occupation by the combined hours worked.

In 1910 the 529 mule spinners, male, earned an average of 22.4 cents per hour and 26 per cent of them earned less than 20 cents per hour and none earned as much as 40 cents per hour. Average earnings per hour in the occupation increased to 81.6 cents in 1920, when only 1 per cent of the 960 employees in the occupation earned an average of less than 40 cents per hour, and 58 per cent of them earned 80 cents or more per hour. The average decreased from 81.6 cents in 1920 to 67 cents in 1922, increased to 75.5 cents in 1924, decreased to 69.5 cents in 1926 and to 68.4 cents in 1928 when less than 1 per cent of the 1,106 employees included in the study in that year earned less than an average of 40 cents per hour, and between 21 and 22 per cent earned an average of 80 cents or more per hour. Four per cent earned 40 and under 50 cents, 23 per cent earned 50 and under 60 cents, 26 per cent earned 60 and under 70 cents, 25 per cent earned 70 and under 80 cents, 17 per cent earned 80 and under 90 cents, 3 per cent earned 90 and under 100 cents, 1 per cent earned \$1 and under \$1.10, and less than 1 per cent earned an average of \$1.10 and under \$1.25 per hour. The percentage distribution of employees by average earnings per hour as shown in the table are graphic in effect in that they show that the lowest hourly earnings in the later years began where the highest averages ended in the earlier years of the study.

TABLE 3.—Average and classified earnings per hour for employees in 13 specified occupations, 1910 to 1928, by sex and year

Occupation and sex	Year	Number of establishments	Number of employees	Average earnings per hour	Per cent of employees whose earnings per hour were—																			
					Under 8 cts.	8, under 9 cts.	9, under 10 cts.	10, under 12 cts.	12, under 14 cts.	14, under 16 cts.	16, under 18 cts.	18, under 20 cts.	20, under 25 cts.	25, under 30 cts.	30, under 40 cts.	40, under 50 cts.	50, under 60 cts.	60, under 70 cts.	70, under 80 cts.	80, under 90 cts.	90, cts., under \$1	\$1, under \$1.10	\$1.10, under \$1.25	\$1.25 and over
					<i>(Data rows follow, showing percentages for each earnings bracket across years 1910-1928 for Spinners, mule; Spinners, frame; and Weavers, male.)</i>																			

REGULAR OR CUSTOMARY HOURS OF OPERATION

The regular or customary full-time hours per day and week of a woolen or worsted mill are the hours of operation when the mill is working its recognized standard of full time as established by the regular time of beginning work in the morning and of closing in the afternoon less the regular time off duty at or near noon for the mid-day meal, with no overtime and no loss of time for any cause.

Table 4 shows average full-time hours per week and the per cent of the employees at each classified group of full-time hours per week for the employees in each of 13 important occupations in the industry for each of the specified years from 1910 to 1928 for which data are available. For a distribution of the number of employees in each of these 13 occupations and States by full-time hours per week for 1928 see Table C, pages 36 to 38.

Average full-time hours per week for wool sorters, the first occupation in Table 4, which were 56.3 in 1910 and 56.4 in 1911, decreased to 55.2 in 1912, decreased gradually from year to year to 54.1 in 1916, increased to 54.4 in 1918, decreased abruptly to 48.1 in 1920, increased gradually from year to year to 50.8 in 1926 and then decreased to an average of 49.9 hours per week in 1928, an average of 1.8 hours per week more than in 1920.

In 1910 and 1911 there were no wool sorters with 54 or less full-time hours per week. The hours of 88 per cent of the 289 in the occupation in 1910 were "over 54 and under 57" per week, of 4 per cent were "57 and under 60," and of 8 per cent were "60 and over" per week. The full-time hours of 61 per cent of the employees in the occupation in 1912, of 65 per cent in 1913, of 83 per cent in 1914, of 82 per cent in 1916, and of 87 per cent in 1918 were 54 per week. Between the studies of the industry in 1918 and 1920 there was almost a complete change in full-time hours from 54 to 48 per week. In 1920 the hours of 99 per cent of the wool sorters included in the study in that year were "48 and under 54" per week and of 1 per cent were 54 per week. The per cent at 48 hours per week in each year since 1920 was 94 in 1922, 75 in 1924, 52 in 1926, and 69 at 48 and 31 at 54 in 1928. The figures for wool sorters are representative of the hours and change of hours of the other occupations in the industry from 1910 to 1928.

TABLE 4.—Average and classified full-time hours per week in 13 specified occupations, 1910 to 1928, by 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 and over
Wool sorters:											
Male.....	1910	18	289	56.3	-----	-----	-----	-----	88	4	8
	1911	19	444	56.4	-----	-----	-----	-----	83	12	5
	1912	19	471	55.2	-----	-----	-----	61	21	14	3
	1913	19	246	55.0	-----	-----	-----	65	21	14	-----
	1914	15	381	54.2	-----	-----	-----	83	17	(?)	-----
	1916	17	412	54.1	1	-----	-----	82	17	-----	-----
	1918	20	538	54.4	-----	-----	-----	87	7	-----	5
	1920	22	423	48.1	-----	99	-----	1	-----	-----	-----
	1922	17	358	48.4	-----	94	-----	6	-----	-----	-----
	1924	19	359	49.5	-----	75	-----	1	24	-----	-----
	1926	30	445	50.8	-----	52	-----	3	39	5	-----
	1928	22	392	49.9	-----	69	-----	31	-----	-----	-----

¹ Less than 1 per cent.

² Tabulated in previous reports as "48 and under 54."

TABLE 4.—Average and classified full-time hours per week in 13 specified occupations, 1910 to 1928, by 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 and over
Wool sorters—Continued.											
Female.....	1920	1	28	48.0	2	100					
	1922	3	37	48.0		100					
	1924	5	65	48.2		97		3			
	1926	2	37	48.0		100					
	1928	2	27	48.3		78		22			
Card tenders:											
Male.....	1910	26	201	56.9					66	20	14
	1911	40	320	57.1					55	35	10
	1912	40	412	56.4				25	18	33	13
	1913	40	329	56.3				32	24	36	8
	1914	41	398	56.1				46	18	19	18
	1916	47	533	55.8				47	22	15	17
	1918	47	509	54.8	3	2	4	62	16	1	14
	1920	43	444	48.4	(1)	2	94	3			2
	1922	46	514	49.5		81	4	9		2	4
	1924	47	528	49.4		81	5	9	1		4
	1926	70	531	49.8		66	12	16	4		2
	1928	62	550	50.3		68	5	14	3	1	8
Female.....	1920	11	103	48.3		2	95	5			
	1922	10	109	48.2		97	3				
	1924	12	94	48.0		100					
	1926	19	166	48.7		89		10	2		
	1928	15	136	48.1	4	88		8			
Drawing-frame tenders:											
Male.....	1916	5	211	55.0	(1)			77	4	8	11
	1918	6	193	54.1				96	4		
	1920	6	51	48.0		2	100				
	1922	8	189	48.1	1	98		2			
	1924	8	263	49.2	(1)	81		2	16		
	1926	9	271	48.8		87	1	13			
	1928	6	66	48.2		97		3			
Female.....	1916	14	1,603	53.7	1	2	13	62	23	2	
	1918	15	1,760	52.9	3	2	11	66	21		
	1920	16	1,758	48.3	(1)	2	96	4			
	1922	17	1,615	48.5		91		9			
	1924	15	1,885	48.9	(1)	83	2	12	3		
	1926	26	1,753	49.7		68	5	27	(1)		
	1928	25	1,766	49.4		73	5	22			
Spinners, mule:											
Male.....	1910	26	529	57.0					61	26	13
	1911	40	638	57.3					49	38	13
	1912	40	719	56.5				35	15	38	11
	1913	42	828	56.5				30	21	41	8
	1914	42	807	56.0				48	17	19	17
	1916	46	1,222	55.3		2	2	55	17	18	8
	1918	46	1,431	54.9		2	5	58	24	1	12
	1920	46	960	48.2		2	96	4			
	1922	44	1,119	49.2		82	4	11		3	1
	1924	47	1,290	48.9		83	6	9	1	1	1
	1926	69	1,249	49.7		69	8	16	5	(1)	1
	1928	61	1,106	49.5	1	73	4	15	4		2
Spinners, frame:											
Female.....	1910	8	578	56.0					97		3
	1911	10	1,002	56.4					80	19	1
	1912	10	1,070	55.2				53	32	14	1
	1913	10	751	55.5				43	34	23	
	1914	9	970	54.2				75	25		
	1916	14	1,202	53.9	1	2	7	70	20	2	
	1918	15	1,330	52.4	6	2	4	80	9		
	1920	14	1,026	48.2	(1)	2	96	3			
	1922	15	972	48.4	2	90		8			
	1924	14	1,106	48.9	(1)	82	4	14			
	1926	23	1,228	49.8		65	8	27			
	1928	22	1,281	49.7		70	4	27			
Doffers:											
Male.....	1916	5	255	49.8	51				49		
	1918	5	138	50.5	40				60		
	1920	6	108	46.3	27	2	73				
	1922	5	165	47.0	30	70					
	1924	7	214	49.9	26	27		47			
	1926	5	47	48.2		89	11				
	1928	9	73	50.3		55	15	27			3

¹Less than 1 per cent.

²Tabulated in previous reports as "48 and under 54."

14 WAGES AND HOURS—WOOLEN AND WORSTED GOODS

TABLE 4.—Average and classified full-time hours per week in 13 specified occupations, 1910 to 1928, by 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 and over
Doffers—Continued.											
Female											
	1916	12	709	52.2	22	74		42	30	2	
	1918	12	829	48.6	37	2		53	8		
	1920	14	561	46.7	30	2	67	3			
	1922	14	619	48.1	19	68		13			
	1924	10	566	48.1	20	62	7	11			
	1925	22	701	49.9		59	12	28			
	1928	20	588	50.3		58	6	36			
Spooler tenders:											
Female											
	1913	55	1,571	54.1	4	2		76	8	11	
	1918	56	1,514	53.6	7			75	18		
	1920	55	1,474	48.2	1	265		4		(1)	
	1922	59	1,247	48.7	(1)	87	2	11			
	1924	64	1,228	48.6	(1)	89	2	9			
	1925	95	1,283	49.1	(1)	78	7	15	(1)		
	1928	82	1,407	49.0		81	4	15			
Loom fixers:											
Male											
	1910	27	429	51.6					79	9	12
	1911	46	569	50.7					68	24	8
	1912	46	689	53.0				38	32	21	9
	1913	47	581	55.8				39	31	26	4
	1914	47	651	55.1				58	27	7	7
	1915	60	794	54.9		2	1	60	26	10	4
	1918	61	843	51.5		2	1	74	20		5
	1920	64	783	48.3	(1)	2	95	4		1	
	1922	64	747	48.4	1	92	1	6			
	1924	68	821	49.0		83	3	13		1	(1)
	1925	99	778	49.0		78	11	9	2		(1)
	1928	83	692	49.0	1	81	4	11	2	1	(1)
Weavers:											
Male											
	1910	27	2,907	57.1					65	17	19
	1911	46	4,049	57.1					60	25	14
	1912	46	4,473	56.3				33	28	24	15
	1913	47	3,834	56.3				28	32	34	6
	1914	48	4,336	55.2				60	19	11	9
	1915	61	5,451	55.9		2	2	64	17	14	4
	1918	61	5,812	55.5		2	2	73	21		4
	1920	64	4,825	49.3	1	2	93	4		1	
	1922	64	5,578	48.3	2	86	1	4	8		1
	1924	68	5,725	48.3		87	1	4	9		1
	1925	97	5,528	48.9		80	10	8	2	1	1
	1928	83	4,341	48.9	1	84	4	8	2		1
Female											
	1910	27	2,855	56.5					84	7	9
	1911	46	3,384	56.3					63	28	9
	1912	46	3,783	55.9				39	28	25	8
	1913	47	3,493	56.0				30	32	36	2
	1914	48	3,862	54.7				54	39	8	
	1915	61	4,565	54.5				56	32	8	
	1918	61	5,295	54.1	(1)	2	4	75	21		
	1920	63	3,783	48.3	(1)	2	95	4		1	
	1922	63	3,622	48.4	(1)	92	2	6			
	1924	67	3,713	48.9		84	4	12			
	1925	89	2,748	49.2		71	14	13	2		(1)
	1928	79	2,419	48.8		70	9	11			
Burlers:											
Female											
	1910	26	1,034	56.5					81	9	10
	1911	43	1,513	56.8					65	27	9
	1912	44	1,562	55.9				46	17	30	7
	1913	44	1,643	55.6				52	20	26	2
	1914	44	1,756	54.6	1			54	40	4	
	1916	55	1,580	54.6	(1)	2	1	65	26	9	
	1918	55	1,867	54.1	(1)	2	2	80	17		
	1923	64	2,221	48.4	1	93		5		1	
	1922	61	1,773	48.2	1	94	(1)	4			
	1924	60	1,711	49.2	(1)	78	2	19			
	1925	90	1,722	49.3		73	10	17	1		
	1928	79	1,691	49.3		74	8	18			
Menders:											
Female											
	1910	25	1,196	56.8					73	10	18
	1911	44	1,723	56.8					72	14	15
	1912	44	1,678	55.7				33	29	14	12
	1913	42	1,388	55.3				57	23	16	4
	1914	43	1,504	54.4	1			82	3	9	
	1916	53	1,797	54.3	1			86	5	8	
	1918	53	1,935	54.1				91	9		
	1920	61	1,724	48.3	1	92		6		1	
	1922	63	1,985	48.4	3	89	1	7			
	1924	64	1,850	48.5		90	3	8			
	1925	91	2,121	48.8	(1)	84	8	8			
	1928	82	2,086	48.5		89	4	7			

¹ Less than 1 per cent.

² Tabulated in previous reports as "18 and under 51."

TABLE 4.—Average and classified full-time hours per week in 13 specified occupations, 1910 to 1928, by 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 and over
Truckers:											
Male.....	1920	62	1,205	48.1	2	¹ 95	2	2	(1)	(1)	
	1922	60	1,334	48.2	1	95	1	2	(1)	(1)	
	1924	64	1,672	49.2	2	81	1	11	(1)	1	6
	1926	93	1,236	48.9	(1)	82	5	11	2		1
	1928	79	1,419	48.5	(1)	90	3	6	(1)	(1)	1
Laborers, dyehouse:											
Male....	1910	27	837	56.3					85	9	7
	1911	45	1,116	56.6					74	17	9
	1912	45	1,093	55.5				51	25	17	7
	1913	46	1,041	55.6				45	29	24	3
	1914	47	1,427	54.9				69	18	7	7
	1916	55	1,636	55.0				60	25	10	5
	1918	55	1,606	54.7	(1)	² 2		67	25		7
	1920	52	961	48.3		² 95		4			
	1922	54	1,032	48.9		87	3	5		1	1
	1924	59	877	49.2		82	5	11			3
	1926	82	1,008	49.4		74	8	14	2		2
	1928	72	962	49.1		81	5	12	1	(1)	(1)

¹ Less than 1 per cent.

² Tabulated in previous reports as "48 and under 54."

Table 5 shows for each establishment in each State the regular full-time hours per week and per day in 1928. The hours per week range from 48 for 65 establishments with the lowest to 58 for the 1 with the highest. The hours per day, Monday to Friday, range from 8²/₃ to 10¹/₂ and on Saturday range from 3³/₈ to 5¹/₂ for the 78 establishments that were operated on that day. Fourteen establishments were not operated on Saturday. The hours of 8 of the 14 were 9³/₈ on five days, of 3 were 9³/₄ on four days and 9 on one day, and of 1 were 10 on four days and 8 on one day or 48 per week, and of 2 were 10 on five days or 50 per week.

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

Full-time hours per week	Full-time hours per day			Number of establishments—									
	Monday to Thursday	Friday	Saturday	In Connecticut	In Maine	In Massachusetts	In New Hampshire	In New Jersey	In New York	In Pennsylvania	In Rhode Island	In Vermont	Total
48.....	8 ² / ₃	8 ² / ₃	4 ² / ₈	1	6	5	2	2		1	3	2	22
	8 ³ / ₄	8 ³ / ₄	4 ³ / ₄	6	4	5	2	1	1	2	4	1	26
	8 ⁵ / ₈	8 ⁵ / ₈	3 ⁵ / ₈		1				1	1			5
	9 ³ / ₈	9 ³ / ₈		1		1		2		1	3		8
49 ¹ / ₂	9 ³ / ₄	9								2	1		3
	10	8								1	1		1
	9	9	4 ¹ / ₂						1			(1)	1
50.....	9	9	5	1									1
	9 ¹ / ₂	9 ¹ / ₂	4 ⁷ / ₁₂							1			1
	9 ⁵ / ₈	9 ⁵ / ₈	4 ⁵ / ₈						1				1
50 ³ / ₄	10	10								2			2
	9 ³ / ₄	9 ³ / ₄	4 ¹ / ₂						1	1			1
	9 ⁵ / ₈	9 ⁵ / ₈	5					1		1			2
53 ³ / ₄	9 ³ / ₄	9 ³ / ₄	5						1	1			1
	9 ³ / ₄	9 ³ / ₄	5 ¹ / ₄		3		1		1	4			19
	9 ⁵ / ₈	9 ⁵ / ₈	5							3			3
54.....	9 ⁵ / ₈	9 ⁵ / ₈	4 ⁵ / ₈		1								1
	9 ⁵ / ₈	9 ⁵ / ₈	4	1						1			2
	10	10	5							1			1
55 ¹ / ₂	10	10	5 ¹ / ₂		1								1
	10 ¹ / ₂	10 ¹ / ₂	5 ¹ / ₂							1			1
Total.....				10	16	13	5	6	4	23	12	3	92

¹ Approximately one-half of the employees.

DAYS WORKED BY EMPLOYEES

Table 6 shows the per cent of employees in each of 12 representative occupations by the number of specified days on which they worked in one week and in one occupation in which they worked two weeks in 1928. Any part of a day on which any work was done was counted a day.

The 392 male wool sorters of 22 establishments worked an average of 3.5 days in one week. One per cent of them worked on 1 day only, 39 per cent on 2 days, 17 per cent on 3 days, 17 per cent on 4 days, 6 per cent on 5 days, and 20 per cent worked on 6 days in one week.

TABLE 6.—Number of days on which employees in 13 representative occupations worked in one pay period, 1928, by sex

Occupation and sex	Number of establishments	Number of employees	Average days on which employees worked	Per cent of employees in occupation who in pay period worked—					
				1 day	2 days	3 days	4 days	5 days	6 days
				Wool sorters:					
Male.....	22	392	3.5	1	39	17	17	6	20
Female.....	2	27	2.8	4	74			4	19
Card tenders:									
Male.....	62	550	5.0	2	5	7	15	20	51
Female.....	15	136	4.5	1	10	9	35	10	35
Drawing frame tenders:									
Male.....	6	66	3.9		6	30	33	24	6
Female.....	25	1,766	4.4	4	4	17	24	25	26
Spinners, mule, male.....	61	1,106	4.9	3	4	10	13	24	45
Spinners, frame, female.....	22	1,281	4.5	2	6	12	24	33	22
Doers:									
Male.....	9	73	5.0			5	10	63	22
Female.....	20	588	4.5	2	9	9	26	27	28
Spooler tenders, female.....	82	1,407	4.3	5	7	23	13	19	34
Loom fixers, male.....	83	1,692	5.3	1	2	2	14	28	54
Burlers, female.....	79	1,691	4.8	2	5	11	12	30	40
Menders, female.....	82	2,086	4.9	2	2	6	25	28	37
Truckers, male.....	79	1,419	4.9	2	7	8	13	25	46
Laborers, dyehouse, male.....	72	962	4.8	2	5	9	16	30	37

TWO-WEEK PAY PERIOD

Occupation and sex	Number of establishments	Number of employees	Average days on which employees worked	Per cent of employees in occupation who in pay period worked—											
				1 day	2 days	3 days	4 days	5 days	6 days	7 days	8 days	9 days	10 days	11 days	12 days
				Weavers:											
Male.....	83	4,641	9.1	1	2	3	3	5	8	5	8	6	13	17	29
Female.....	79	2,419	8.9	1	2	3	3	3	15	4	13	3	9	17	28

OVERTIME

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

Of the 92 establishments included in the 1928 study 52 reported an extra or higher rate for overtime than for regular working time and 40 reported the same rate for both regular and overtime work.

One and one-half times the regular rate was paid for overtime to all of the employees of 32 establishments who did any such work and to a specified part of the force of 8 establishments. Other rates for overtime as paid by 12 establishments ranged from one and one-tenth to one and one-fourth times the regular rate as shown in Table 7.

TABLE 7.—Number of establishments paying extra for overtime, employees entitled, and amounts of increase, 1928

Number of establishments	Employees entitled to increased rate	Hourly rate multiplied by—	Number of establishments	Employees entitled to increased rate	Hourly rate multiplied by—
40	None.....		1	All.....	1 1/4
32	All.....	1 1/2	1	All except night gig-room employees.....	1 1/4
4	All, with a few exceptions.....	1 1/2	2	All.....	1 1/4
1	Fullers only.....	1 1/2	1	Repairers.....	1 1/2
1	Warpers and dresser tenders.....	1 1/2	1	All others.....	1 1/4
1	All, except dyehouse employees.....	1 1/2	1	Mechanics.....	1 1/2
1	All time workers.....	1 1/2	1	All others.....	1 1/4
1	Do.....	1 1/4			
5	All.....	1 1/4			

¹ Lunch period, 1 1/2.

BONUS SYSTEMS

Fifty-three of the 92 mills reported bonus systems in effect at the time of the 1928 study. The basis of the bonus for each establishment, the wage earners who were entitled to the bonus, and the amount of and the conditions necessary to get the bonus are presented in Table 8.

In 50 of the 53 establishments a production or time-saving bonus was paid to employees in certain departments or occupations whereby their earnings at their regular rates were increased by the addition of a specified amount under the conditions given in the table.

For full-time attendance one establishment paid a bonus of \$1 per week to all productive employees and one paid 90 cents per week to comber tenders only. One mill paid a service bonus of \$1 per week to all employees of one year of continuous service, of \$1.50 per week to those of one and one-half years of service, and of \$2 per week to those of two or more years of service.

TABLE 8.—Bonus systems in the woolen and worsted industry, 1928

Number of establishments	Kind	Wage earners entitled	Amount	Conditions
10	Production.	Loom fixers.....	1/2 per cent of weavers' earnings.	Upkeep of looms.
3	do.....	do.....	1 per cent of weavers' earnings..	Do.
1	do.....	do.....	2 per cent of weavers' earnings..	Do.
2	do.....	Loom fixers and weavers.....	Various.....	Do.
9	do.....	Loom fixers.....	Per cent of weavers' earnings ¹ ..	Do.
4	do.....	do.....	Various.....	Upkeep of extra looms.
1	do.....	Part of loom fixers.....	do.....	Do.
1	do.....	Loom fixers.....	2 per cent of weavers' earnings..	Upkeep of looms.
1	do.....	Drawers-in and dressers.....	Various.....	Exceeding specified standard.
1	do.....	Loom fixers.....	1/2 per cent of weavers' earnings..	Upkeep of extra looms.
		Menders.....	Various.....	Exceeding specified standard.

¹ Amount not reported.

TABLE 8.—*Bonus systems in the woolen and worsted industry, 1928—Continued*

Number of establishments	Kind	Wage earners entitled	Amount	Conditions
2	Production.	Loom fixers.....	Per cent of weavers' earnings ¹	Upkeep of looms.
		Dressers, slashers, menders, and perchers.....	Various.....	Exceeding specified standard.
1	do	Loom fixers.....	$\frac{1}{2}$ per cent of weavers' earnings.....	Upkeep of looms.
		Sewers.....	Various.....	Exceeding specified standard.
1	do	Loom fixers.....	1 per cent of weavers' earnings.....	Upkeep of looms.
		Mule spinners.....	Various.....	Exceeding specified standard.
1	do	Loom fixers.....	Per cent of weavers' earnings ¹	Upkeep of looms.
		Filling winders.....	Various.....	Exceeding specified standard.
1	do	Productive.....	do.....	Do.
1	do	Mule spinners.....	do.....	Do.
1	do	All.....	do.....	Do.
1	do	Dresser tenders.....	do.....	Do.
1	do	Reelers.....	do.....	Do.
1	do	Spoolers.....	do.....	Do.
1	do	Mule spinners.....	do.....	Over 12 spindles in 12 hours.
1	do	Sewers.....	\$1.55 per cut.....	Excess of 5 cuts in 48 hours.
1	do	do.....	93 cents per cut.....	Over 14 cuts in 48 hours.
1	do	Mule spinners.....	1 cent per pound.....	Over 800 pounds in 48 hours.
1	do	Loom fixers and boss filling carriers.....	1 per cent of weavers' earnings equally divided.....	Upkeep of looms.
1	do	Menders.....	\$1 per cut.....	After 13 cuts per week.
		Speckers.....	20 cents per cut working alone; 10 cents per cut working in pairs.....	After 4 cuts per day.
1	Service.....	All.....	After 1 year, \$1 per week; after 1½ years, \$1.50; after 2 years, \$2.....	Continuous service.
1	Attendance.....	All productive.....	\$1 per week.....	Full-time attendance.
1	do.....	Comber tenders.....	90 cents per week.....	Do.
1	Production.	Loom fixers.....	$\frac{1}{2}$ per cent of weavers' earnings for single and 1 per cent for double loom.....	Upkeep of looms.

¹ Amount not reported.

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

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

During the period January, 1923, to December, 1928, both monthly employment and pay rolls were highest, 127.6 and 138.1, respectively, in May, 1923, and lowest, 91.0 in July, 1928, for employment, and 87.7 in April, 1928, for pay rolls. Index numbers of employment by years were 124.5 in 1923, 113.3 in 1924, 110.7 in 1925, 100.0 in 1926, 99.7 in 1927, and 95.0 in 1928; and of pay rolls were 126.7 in 1923, 114.1 in 1924, 110.6 in 1925, 100.0 in 1926, 100.6 in 1927, and 94.4 in 1928.

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

[Average for 1926=100]

Month	Employment						Pay-roll totals					
	1923	1924	1925	1926	1927	1928	1923	1924	1925	1926	1927	1928
January.....	122.9	120.5	118.4	107.2	105.9	98.0	118.1	121.3	123.5	107.4	107.7	98.5
February.....	124.7	120.3	117.1	99.8	106.1	97.5	129.3	124.3	123.2	98.7	108.5	98.0
March.....	126.0	119.4	114.4	97.3	102.2	93.9	122.3	119.8	117.4	96.4	102.3	91.4
April.....	127.4	113.1	112.8	96.4	99.3	91.9	124.3	110.1	112.7	93.8	98.1	87.7
May.....	127.6	110.1	109.5	95.6	96.9	93.2	138.1	107.0	109.8	93.9	97.0	93.2
June.....	126.4	105.1	108.5	95.1	97.4	94.8	136.2	100.6	105.3	94.7	98.2	94.4
July.....	125.0	101.1	106.8	94.9	93.0	91.0	130.0	94.8	105.3	94.3	93.0	88.5
August.....	123.8	102.5	107.1	95.0	97.3	95.2	123.6	102.3	102.8	94.7	98.4	91.0
September.....	121.9	109.2	107.5	99.5	98.3	91.2	125.6	111.2	100.4	97.7	99.6	89.2
October.....	122.2	116.8	108.7	105.4	99.4	95.4	128.5	122.4	106.5	110.5	101.9	99.1
November.....	123.7	119.2	109.6	107.2	100.5	99.8	126.1	124.8	108.6	108.0	100.9	99.9
December.....	122.7	120.9	108.8	106.4	99.8	99.4	127.8	130.9	108.2	110.4	102.0	102.2
Average.....	124.5	113.3	110.7	100.0	99.7	95.0	125.7	114.1	110.6	100.0	100.6	94.4

DAYS OR NIGHTS OF OPERATION IN YEAR

The average and classified number of days or nights on which the 92 mills were in operation during the year ending March 31, 1928, are presented in Table 10.

All of the 92 mills had day shifts during the year and were in operation an average of 276 days. The average by States ranged from 263 for the 11 mills in Rhode Island to 285 for the 7 mills in New Jersey. During the year 1 of the 92 mills was in operation "194 or 197" days and 30 were in operation "300 and under 310" days.

Thirty-one of the 92 mills had night shifts and were in operation an average of 164 nights, the average by States ranging from 100 for the 3 in Connecticut to 243 for the 4 in Rhode Island. The nights on which the 31 mills were in operation ranged from 30 for 1 of the 2 classified as having been in operation "30 or 32" nights in the year to 253 for 1 of the 3 that were in operation "250 and under 260" nights.

TABLE 10.—Average and classified number of days or nights on which mills were in operation during the year ending March 31, 1928

State	Number of establishments	Average number of days or nights	Number of mills in operation each classified number of days or nights																	
			30 or 32	48 or 60	70 and under 86	130 or 140	156 or 166	187	194 or 197	200 and under 210	210 and under 220	224 or 227	230 and under 240	240 and under 250	250 and under 260	260 and under 270	270 and under 280	280 and under 290	290 and under 300	300 and under 310
DAY SHIFTS																				
Connecticut.....	10	277							1							1	1	1	1	5
Maine.....	16	272						1			1		2	1	1	3	1			6
Massachusetts.....	13	282								1				1				4	3	3
New Hampshire.....	5	277										1			1		1		1	1
New Jersey.....	7	285										1			1				3	2
New York.....	4	274									1								1	1
Pennsylvania.....	23	279							1			1	1	2	3	3	1	1		10
Rhode Island.....	11	263											4	3		3	3			1
Vermont.....	3	278													2					1
Total.....	92	276							1	2		2	3	8	8	10	8	11	9	30
NIGHT SHIFTS																				
Connecticut.....	3	100			2	1														
Maine.....	3	103	1		1					1										
Massachusetts.....	6	190			1		1			1	1			2						
New Hampshire.....	3	187			1									2						
New Jersey.....	3	223							1		1				1					
New York.....	1	130				1														
Pennsylvania.....	6	111	1	2	1						1				1					
Rhode Island.....	4	243												3	1					
Vermont.....	2	177						1	1											
Total.....	31	164	2	2	6	2	2	1	1	2	3			7	3					

IMPORTANCE OF WOOLEN AND WORSTED GOODS MANUFACTURING

Table 11 shows for the industry the number of establishments, average number of wage earners, amount of wages paid, cost of materials, value of products, and value added by manufacture in 1914, 1919, 1921, 1923, and 1925 for the United States as a whole, and in 1925 only for each of the nine States for which 1928 data are presented in this report. Average per wage earner of yearly earnings, cost of materials, value of products, and of value added by manufacture, are also presented in the table, and likewise the per cent that wages are of value added by manufacture.

Average annual wages per wage earner ranged by years from \$479 in 1914 to \$1,158 in 1925. The averages by States in 1925 ranged from \$1,124 to \$1,272.

Wages formed 57 per cent of the value added by manufacture in 1914 and in 1925, 51 per cent in 1923, 49 per cent in 1921, and 42 per cent in 1919. The per cent wages formed of the value added by manufacture in the various States in 1925 ranged from 52 to 73.

TABLE 11.—*Number of establishments, wage earners, cost of materials, value of products, and value added by manufacture in the woollen and worsted goods industry, 1914 to 1925*

[From United States Census of Manufactures]

State and year	Number of establishments	Average number of wage earners	Wages	Cost of materials	Value of products
United States:					
1914.....	799	158,694	\$75,953,444	\$246,496,666	\$379,484,379
1919.....	852	166,787	168,108,681	665,594,683	1,065,434,072
1921.....	814	171,592	174,894,768	400,045,562	755,583,768
1923.....	851	194,552	222,984,522	622,731,847	1,062,558,438
1925.....	832	165,224	191,270,791	620,401,943	957,790,338
1925					
Connecticut.....	49	8,897	11,293,634	30,815,774	50,604,568
Maine.....	62	11,789	14,789,711	37,431,669	64,923,138
Massachusetts.....	87	54,876	64,931,507	200,289,254	309,528,290
New Hampshire.....	35	5,363	6,820,244	17,109,829	28,906,292
New Jersey.....	33	15,157	17,361,534	57,781,518	85,764,021
New York.....	40	6,519	7,403,323	19,438,941	32,033,473
Pennsylvania.....	171	18,646	21,441,795	87,760,708	129,149,004
Rhode Island.....	94	22,206	24,948,761	99,766,820	146,645,564
Vermont.....	16	2,933	3,665,985	9,308,507	14,327,683
All other States.....	145	18,838	18,614,297	60,758,923	95,908,300

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:						
1914.....	\$132,987,713	\$479	\$1,533	\$2,391	\$838	57
1919.....	399,839,389	1,008	3,991	6,388	2,397	42
1921.....	355,538,206	1,019	2,331	4,403	2,072	49
1923.....	439,826,591	1,146	3,201	5,462	2,261	51
1925.....	337,388,395	1,158	3,755	5,797	2,042	57
1925						
Connecticut.....	19,788,794	1,269	3,464	5,688	2,224	57
Maine.....	27,491,469	1,255	3,175	5,507	2,332	54
Massachusetts.....	109,239,036	1,183	3,650	5,641	1,991	59
New Hampshire.....	11,796,463	1,272	3,190	5,350	2,200	58
New Jersey.....	27,982,503	1,145	3,812	5,658	1,846	62
New York.....	12,594,532	1,136	2,982	4,914	1,932	59
Pennsylvania.....	41,388,296	1,150	4,707	6,926	2,220	52
Rhode Island.....	46,938,744	1,124	4,490	6,604	2,114	53
Vermont.....	5,019,181	1,250	3,174	4,885	1,711	73
All other States.....	35,149,377	988	3,225	5,091	1,866	53

EXPLANATION OF SCOPE AND METHOD

This report includes 1928 data as to wages and hours of labor for a total of 21,049 male and 17,801 female wage earners in 92 representative woolen and worsted mills in Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont. These States are the most important in number of wage earners in the industry, according to the 1925 Census of Manufactures, and the number of wage earners employed in them represents approximately 90 per cent of all in the industry in the United States. The 38,850 employees covered in the 1928 study represents 26 per cent of the total number of wage earners in the nine States in 1925, and 23½ per cent of all in the United States in that year. This study is restricted to the mills whose entire or principal products are dress goods and cloth for women's coats and men's suits and overcoats, or yarns for such goods.

The number of mills for which data are presented for each of the years since 1910 are as follows:

	Establishments		Establishments
1910.....	19	1918.....	63
1911.....	27	1920.....	67
1912.....	46	1922.....	67
1913.....	47	1924.....	72
1914.....	48	1926.....	112
1916.....	61	1928.....	92

The data used in this report were taken by agents of the bureau directly from the pay rolls and other records of the establishments included in the study for a representative pay period of one week for employees in each occupation in the industry except weavers, a 2-week pay period being taken for weavers. In plants that reported data for two weeks the data for all occupations except weavers were reduced to a 1-week basis. Data for weavers were reported for two weeks because of incomplete cuts carried over from one week to another.

The data for 1928 were taken from the January pay rolls of 31 mills, the February pay rolls of 3 mills, the March pay rolls of 12 mills, the April pay rolls of 23 mills, the May pay rolls of 19 mills, and the June pay rolls of 4 mills; the figures are therefore representative of conditions in those months.

Table 12 shows by States the number of wage earners in the industry in 1925 according to the United States Census of Manufactures, the number of establishments from which the Bureau of Labor Statistics obtained data in 1928, and the number of wage earners included in the 1928 study.

TABLE 12.—*Number of wage earners in woolen and worsted goods manufacturing in 1925, and number of establishments and of employees for which 1928 data are shown, by State*

State	Number of wage earners reported by United States census in 1925 ¹	Establishments and employees for which data are shown for 1928 in this report		State	Number of wage earners reported by United States census in 1925 ¹	Establishments and employees for which data are shown for 1928 in this report	
		Number of establishments	Number of employees			Number of establishments	Number of employees
Connecticut.....	8,897	10	2,222	Pennsylvania.....	18,646	23	4,684
Maine.....	11,789	16	3,393	Rhode Island.....	22,206	12	5,835
Massachusetts.....	54,876	13	14,195	Vermont.....	2,933	3	1,055
New Hampshire.....	5,363	5	1,914	Other States.....	18,838	-----	-----
New Jersey.....	15,157	6	3,797				
New York.....	6,519	4	1,755	Total.....	165,224	92	38,850

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

GENERAL TABLES

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

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

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

Tables B, C, D, and E are distribution tables and are limited to 13 specified occupations.

Table B.—Average and classified earnings per hour in 13 specified occupations, 1928, by sex and State.

Table C.—Average and classified full-time hours per week in 13 specified occupations, 1928, by sex and State.

Table D.—Average and classified hours actually worked in one pay period in 13 specified occupations, 1928, by sex and State.

Table E.—Average and classified actual earnings in one pay period in 13 specified occupations, 1928, by sex and State.

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

ONE-WEEK PAY PERIOD

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full-time hours worked in pay period	Average earnings per hour	Average full-time earnings per pay period	Average actual earnings per pay period
Wool sorters, male:									
Connecticut.....	2	8	5.3	52.5	45.1	85.9	\$0.801	\$42.05	\$36.15
Maine.....	3	56	4.3	54.0	41.3	76.5	.665	35.96	27.51
Massachusetts.....	4	173	2.4	48.0	19.8	41.3	.721	34.61	14.28
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	4	61	3.7	48.0	29.0	60.4	.845	40.56	24.55
Pennsylvania.....	5	37	4.0	54.0	36.7	68.0	.686	37.04	25.22
Rhode Island.....	3	35	5.1	48.0	44.8	93.3	.748	35.90	33.53
Total.....	22	392	3.5	49.9	30.3	60.7	.728	36.33	22.06
Wool sorters, female:									
Massachusetts.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	2	27	2.8	48.3	24.0	49.7	.565	27.29	13.55
Wool-washer tenders, male:									
Connecticut.....	3	5	5.2	52.8	53.7	101.7	.529	27.93	28.45
Maine.....	2	7	4.9	54.0	47.3	87.6	.439	23.71	20.72
Massachusetts.....	6	38	3.3	49.3	33.8	68.6	.479	23.61	16.17
New Hampshire.....	2	5	5.4	52.8	52.3	99.1	.361	19.06	18.90
New Jersey.....	4	23	4.9	48.0	43.1	89.8	.521	25.01	22.44
Pennsylvania.....	5	17	5.6	54.0	52.1	96.5	.500	27.00	26.06
Rhode Island.....	3	10	5.3	51.6	51.9	100.6	.469	24.20	24.35
Total.....	25	105	4.5	50.6	43.2	85.4	.484	24.49	20.94
Picker tenders, male:									
Connecticut.....	9	46	5.2	49.1	45.4	92.5	.447	21.95	20.31
Maine.....	15	86	5.0	49.5	43.2	87.3	.421	20.84	18.18
Massachusetts.....	8	35	4.7	48.0	43.4	90.4	.425	20.40	18.43
New Hampshire.....	5	26	5.0	49.2	47.6	96.7	.407	20.02	19.38
New Jersey.....	4	43	6.0	48.0	53.6	111.7	.574	27.55	30.76
New York.....	3	24	5.2	52.4	47.3	90.3	.442	23.16	20.92
Pennsylvania.....	7	25	5.2	53.0	49.9	94.2	.457	24.22	22.79
Rhode Island.....	4	15	4.9	48.0	44.7	93.1	.428	20.54	19.14
Vermont.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	56	306	5.2	49.5	46.7	94.3	.457	22.62	21.34
Card tenders, male:									
Connecticut.....	9	58	5.1	49.7	44.5	89.5	\$0.425	\$21.12	\$18.92
Maine.....	15	71	5.2	50.2	45.8	91.2	.426	21.39	19.50
Massachusetts.....	9	148	4.7	50.6	40.8	80.6	.420	21.25	17.13
New Hampshire.....	4	42	4.6	52.5	45.1	85.9	.406	21.32	18.31
New Jersey.....	5	85	4.8	48.0	40.3	84.0	.567	27.22	22.82
New York.....	3	28	5.8	52.4	51.2	97.7	.426	22.32	21.81
Pennsylvania.....	9	56	5.1	53.2	46.7	87.8	.464	24.68	21.67
Rhode Island.....	6	40	5.0	48.9	47.4	96.9	.413	20.20	19.56
Vermont.....	2	22	5.4	48.0	45.5	94.8	.463	22.22	21.04
Total.....	62	550	5.0	50.3	43.9	87.3	.447	22.48	19.63
Card tenders, female:									
Maine.....	7	36	5.2	47.8	41.7	87.2	.352	16.83	14.69
Massachusetts.....	4	69	3.8	48.0	30.7	64.0	.376	18.05	11.53
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	2	21	5.6	48.0	45.8	95.4	.477	22.90	21.87
Pennsylvania.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	15	136	4.5	48.1	36.3	75.5	.383	18.42	13.91

¹ Data included in total.

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

ONE-WEEK PAY PERIOD—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full-time hours worked in pay period	Average earnings per hour	Average full-time earnings per pay period	Average actual earnings per pay period
Card strippers, male:									
Connecticut.....	9	41	4.9	49.2	42.1	85.6	\$0.461	\$22.68	\$19.39
Maine.....	16	71	5.6	51.0	50.2	98.4	.462	23.56	23.21
Massachusetts.....	10	98	4.4	48.0	39.0	81.3	.450	21.60	17.53
New Hampshire.....	4	23	5.5	52.8	53.8	101.9	.409	21.60	22.02
New Jersey.....	5	37	5.1	48.0	42.6	88.8	.589	28.27	25.09
New York.....	3	11	6.0	50.9	51.1	100.4	.494	25.14	25.27
Pennsylvania.....	10	33	5.1	53.3	47.3	88.7	.529	28.20	25.01
Rhode Island.....	6	28	4.9	48.0	49.8	103.8	.446	21.41	22.22
Vermont.....	2	9	5.8	48.0	49.4	102.9	.509	24.43	25.14
Total.....	65	351	5.0	49.7	45.3	91.1	.475	23.61	21.50
Card grinders, male:									
Connecticut.....	2	2	6.0	48.0	50.5	105.2	.697	33.46	35.20
Maine.....	4	7	6.0	53.1	54.6	102.8	.498	26.44	27.23
Massachusetts.....	5	19	5.0	48.0	45.4	94.6	.501	24.05	22.73
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	2	8	5.8	48.0	57.7	120.2	.565	27.12	32.62
New York.....	2	3	6.0	52.0	54.7	105.2	.599	31.15	32.72
Rhode Island.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	17	42	5.5	49.3	51.1	103.7	.529	26.08	27.01
Gill-box tenders, male:									
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	3	199	4.5	53.0	30.6	57.7	.404	21.41	12.35
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Rhode Island.....	2	35	4.4	52.8	46.8	88.6	.437	23.07	20.48
Total.....	7	282	4.6	53.2	36.2	68.0	.392	20.85	14.28
Gill-box tenders, female:									
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	4	98	4.3	48.0	34.7	72.3	.364	17.47	12.63
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	4	75	4.6	48.0	36.5	76.0	.402	19.30	14.65
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pennsylvania.....	6	131	4.7	53.7	41.7	77.7	.444	23.84	18.49
Rhode Island.....	3	52	5.3	48.0	43.3	90.2	.288	13.82	12.50
Total.....	20	393	4.7	50.3	39.8	79.1	.382	19.21	15.20
Comber tenders, male:									
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	3	172	4.5	50.9	34.5	67.8	.480	24.43	16.58
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Rhode Island.....	2	17	4.9	52.9	53.8	101.7	.589	31.16	31.70
Total.....	9	222	4.6	51.4	38.4	74.7	.484	24.88	18.58
Comber tenders, female:									
Massachusetts.....	3	18	3.8	48.0	30.8	64.2	.401	19.25	12.36
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	4	50	4.2	48.0	31.5	65.6	.401	19.25	12.65
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pennsylvania.....	6	61	4.9	53.5	44.4	83.0	.530	28.36	23.57
Rhode Island.....	2	17	5.2	48.0	43.2	90.0	.357	17.14	15.42
Total.....	17	150	4.6	50.3	38.5	76.5	.456	22.94	17.52
Drawing-frame tenders, male:									
Massachusetts.....	2	55	3.9	48.0	31.1	64.8	.384	18.43	11.93
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Rhode Island.....	2	5	3.8	48.0	30.8	64.2	.443	21.26	13.61
Total.....	6	66	3.9	48.2	32.1	66.6	.386	18.61	12.39

¹Data included in total.

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

ONE-WEEK PAY PERIOD—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full-time hours worked in pay period	Average earnings per hour	Average full-time earnings per pay period	Average actual earnings per pay period
Drawing-frame tenders, female:									
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	4	798	3.6	48.0	29.0	60.4	\$0.375	\$18.00	\$10.89
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	4	176	4.8	48.0	39.6	82.5	.384	18.43	15.20
New York.....	2	84	5.7	48.0	45.6	95.0	.357	17.14	16.27
Pennsylvania.....	6	341	4.9	53.7	44.0	81.9	.312	16.75	13.71
Rhode Island.....	6	271	5.2	48.4	44.7	92.4	.360	17.42	16.11
Vermont.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	25	1,766	4.4	49.4	37.2	75.3	.356	17.59	13.24
Spinners, mule, male:									
Connecticut.....	9	157	4.9	49.3	39.1	79.3	.627	30.91	24.52
Maine.....	15	201	4.9	49.1	37.5	76.4	.668	32.80	25.01
Massachusetts.....	9	302	4.6	48.6	38.6	79.4	.767	37.28	29.64
New Hampshire.....	5	85	4.4	50.3	36.9	73.4	.684	34.41	25.25
New Jersey.....	3	39	5.5	48.0	38.5	80.2	.793	38.06	30.50
New York.....	4	103	5.2	50.9	43.6	85.7	.654	33.29	28.51
Pennsylvania.....	8	109	5.4	53.6	49.6	92.5	.549	29.43	27.20
Rhode Island.....	5	76	4.7	48.0	39.3	81.9	.758	36.38	29.76
Vermont.....	3	34	5.4	48.0	43.1	89.8	.658	31.58	28.35
Total.....	61	1,106	4.9	49.5	40.1	81.0	.684	33.86	27.39
Spinners, frame, female:									
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	4	483	3.8	48.0	31.9	66.5	.401	19.25	12.81
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	4	206	4.9	48.0	38.8	80.8	.420	21.16	16.33
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pennsylvania.....	5	271	4.5	53.5	39.8	74.4	.335	17.92	13.32
Rhode Island.....	5	181	5.4	48.2	44.9	93.2	.367	17.69	16.50
Vermont.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	22	1,281	4.5	49.7	37.9	76.3	.383	19.04	14.50
Doffers, male:									
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pennsylvania.....	5	27	5.4	52.7	50.9	96.6	.307	16.18	15.62
Rhode Island.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	9	73	5.0	50.3	47.8	95.0	.303	15.24	14.4
Doffers, female:									
Maine.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Massachusetts.....	4	193	3.8	48.0	31.8	66.3	.322	15.46	10.25
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	2	44	4.3	48.0	29.0	60.4	.345	16.56	10.00
New York.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pennsylvania.....	5	173	4.7	53.6	42.1	78.5	.260	13.94	10.97
Rhode Island.....	5	105	5.2	48.3	44.6	92.3	.272	13.14	12.10
Vermont.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	20	588	4.5	50.3	38.7	76.9	.284	14.29	11.00
Twister tenders, female:									
Connecticut.....	4	39	5.0	50.3	41.8	83.1	.331	16.65	13.84
Maine.....	6	14	3.7	48.0	27.0	56.3	.374	17.95	10.09
Massachusetts.....	11	385	4.3	48.0	35.2	73.3	.357	17.14	12.56
New Hampshire.....	2	19	5.5	53.7	41.7	77.7	.340	18.26	14.16
New Jersey.....	6	172	5.1	48.8	42.3	86.7	.397	19.37	16.78
New York.....	4	57	5.5	48.2	44.1	91.5	.402	19.38	17.75
Pennsylvania.....	12	445	4.9	53.1	44.0	82.9	.330	17.52	14.53
Rhode Island.....	11	173	4.7	48.0	38.6	80.4	.365	17.52	14.09
Vermont.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total.....	57	1,319	4.7	50.0	40.3	80.6	.354	17.70	14.28

1 Data included in total.

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

ONE-WEEK PAY PERIOD—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full-time hours worked in pay period	Average earnings per hour	Average full-time earnings per pay period	Average actual earnings per pay period
Spooler tenders, female:									
Connecticut.....	10	103	5.2	48.9	41.9	85.7	\$.370	\$18.09	\$15.51
Maine.....	15	134	4.7	49.7	37.6	75.7	.408	20.28	15.34
Massachusetts.....	12	519	3.3	48.0	26.1	54.4	.382	18.34	9.97
New Hampshire.....	5	72	4.9	51.9	43.1	83.0	.391	20.29	16.85
New Jersey.....	6	105	4.7	48.4	40.8	84.3	.406	19.65	16.57
New York.....	4	58	4.3	48.4	31.3	64.7	.429	20.70	13.45
Pennsylvania.....	16	179	5.2	52.2	45.4	87.0	.315	16.44	14.31
Rhode Island.....	11	173	4.8	48.0	39.2	81.7	.360	17.28	14.13
Vermont.....	3	64	5.4	48.0	47.4	98.8	.327	15.70	15.50
Total.....	82	1,407	4.3	49.0	35.6	72.7	.371	18.18	13.19
Dresser tenders, male:									
Connecticut.....	10	60	5.6	48.9	46.9	95.9	.643	31.44	30.17
Maine.....	14	58	5.6	49.8	48.1	96.6	.652	32.47	31.35
Massachusetts.....	12	157	4.9	48.0	41.4	86.3	.705	33.84	29.19
New Hampshire.....	5	28	4.9	49.3	43.9	89.0	.661	32.59	29.01
New Jersey.....	5	32	5.8	49.8	49.7	99.8	.761	37.90	37.86
New York.....	4	35	5.6	50.1	47.3	94.4	.614	30.76	29.02
Pennsylvania.....	16	83	4.9	51.0	45.2	88.6	.832	42.43	37.56
Rhode Island.....	10	106	5.3	48.0	47.7	99.4	.686	32.93	32.69
Vermont.....	3	24	5.7	48.0	47.5	99.0	.638	30.62	30.31
Total.....	79	583	5.2	49.0	45.5	92.9	.700	34.30	31.84
Drawers-in, male:									
Pennsylvania.....	6	16	5.4	51.7	48.6	94.0	.693	35.83	33.69
Drawers-in, female:									
Connecticut.....	10	62	4.5	48.9	32.1	65.6	.505	24.69	16.20
Maine.....	16	70	5.3	50.1	43.9	87.6	.516	25.85	22.69
Massachusetts.....	12	207	4.4	48.0	34.5	71.9	.539	25.87	18.57
New Hampshire.....	5	38	4.8	50.2	40.3	80.3	.483	24.25	19.44
New Jersey.....	5	40	5.3	49.1	40.9	83.3	.671	32.95	27.47
New York.....	4	31	4.4	48.4	29.4	60.7	.500	24.20	14.71
Pennsylvania.....	13	50	5.1	50.3	43.5	86.5	.523	26.31	22.71
Rhode Island.....	12	102	5.1	48.0	41.6	86.7	.498	23.90	20.72
Vermont.....	3	24	5.4	48.0	44.5	92.7	.455	21.84	20.25
Total.....	80	624	4.8	48.7	38.1	78.2	.525	25.57	19.98
Loom fixers, male:									
Connecticut.....	10	45	5.5	49.1	46.1	93.9	.755	37.07	34.76
Maine.....	16	58	5.4	50.5	47.1	93.3	.769	38.83	36.18
Massachusetts.....	12	226	4.9	48.2	41.7	86.5	.840	40.49	35.02
New Hampshire.....	5	36	5.6	50.5	49.1	97.2	.692	34.94	34.02
New Jersey.....	5	73	5.8	48.0	48.4	99.0	.937	45.82	45.37
New York.....	4	36	5.7	50.4	47.7	94.6	.707	35.63	33.69
Pennsylvania.....	16	63	5.1	50.6	47.8	94.5	.879	44.48	41.99
Rhode Island.....	12	124	5.5	48.5	46.9	96.7	.814	39.48	38.19
Vermont.....	3	31	5.1	48.0	43.7	91.0	.819	39.31	35.82
Total.....	83	692	5.3	49.0	45.4	92.7	.821	40.23	37.31
Cloth inspectors, male:									
Connecticut.....	3	5	5.6	49.2	46.8	95.1	.554	27.26	25.91
Maine.....	3	8	5.0	51.8	46.8	90.3	.611	31.65	28.56
Massachusetts.....	5	189	4.4	48.0	33.7	70.2	.570	27.36	19.18
New Hampshire.....	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey.....	3	6	5.7	49.7	49.4	99.4	.650	32.31	32.08
New York.....	4	12	5.0	50.2	43.3	86.3	.543	27.26	23.50
Pennsylvania.....	7	13	5.0	51.0	38.0	74.5	.625	31.88	23.76
Rhode Island.....	5	37	5.4	48.0	46.4	96.7	.588	28.22	27.25
Total.....	31	281	4.7	48.6	37.4	77.0	.572	27.80	21.41

¹ Data included in total.

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

ONE-WEEK PAY PERIOD—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full-time hours worked in pay period	Average earnings per hour	Average full-time earnings per pay period	Average actual earnings per pay period
Cloth inspectors, female:									
Maine.....	2	3	6.0	52.0	52.0	100.0	\$0.388	\$20.18	\$20.18
Massachusetts.....	1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Jersey.....	3	29	4.8	48.0	40.3	84.0	.457	21.94	18.42
Pennsylvania.....	3	5	5.8	52.8	44.1	83.5	.465	24.55	20.50
Rhode Island.....	2	22	5.9	48.0	47.6	99.2	.400	19.20	19.05
Total.....	11	75	4.7	48.5	37.2	76.7	.428	20.76	15.90
Burlers, female:									
Connecticut.....	10	84	5.1	49.1	42.0	85.5	.393	19.30	16.50
Maine.....	13	128	4.8	51.2	37.2	72.7	.337	17.25	12.52
Massachusetts.....	12	559	4.6	48.0	35.3	73.5	.386	18.53	13.62
New Hampshire.....	5	193	5.2	53.4	46.3	86.7	.357	19.06	16.52
New Jersey.....	5	157	4.5	48.9	37.3	76.3	.462	22.59	17.25
New York.....	4	79	5.2	48.3	36.6	75.8	.430	20.77	15.70
Pennsylvania.....	15	191	4.6	50.7	39.4	77.7	.343	17.39	13.50
Rhode Island.....	12	252	5.2	48.0	42.6	88.8	.395	18.96	16.81
Vermont.....	3	48	5.3	48.0	41.1	85.6	.337	16.18	13.84
Total.....	79	1,691	4.8	49.3	39.0	79.1	.383	18.88	14.91
Menders, female:									
Connecticut.....	10	124	5.2	49.4	44.3	89.7	.452	22.33	20.05
Maine.....	16	187	5.2	49.1	42.3	86.2	.420	20.62	17.77
Massachusetts.....	12	772	4.4	48.0	34.7	72.3	.492	23.62	17.07
New Hampshire.....	5	71	5.3	49.9	43.7	87.6	.440	21.96	19.23
New Jersey.....	5	118	5.5	49.0	44.3	90.4	.615	30.14	27.24
New York.....	4	102	4.4	48.1	31.9	66.3	.528	25.40	16.82
Pennsylvania.....	15	200	4.8	50.5	30.0	77.2	.508	25.65	19.84
Rhode Island.....	12	443	5.1	48.0	42.0	87.5	.490	23.52	20.57
Vermont.....	3	69	5.3	48.0	47.0	97.9	.425	20.40	19.95
Total.....	82	2,086	4.9	48.5	39.0	80.4	.488	23.67	19.05
Perchers, male:									
Connecticut.....	9	30	5.2	48.7	44.6	91.6	.581	28.29	25.92
Maine.....	15	27	5.1	49.4	44.4	89.9	.593	29.29	26.53
Massachusetts.....	12	170	5.1	48.1	40.0	83.2	.575	27.66	22.96
New Hampshire.....	5	32	5.7	52.1	51.2	98.3	.456	23.76	23.36
New Jersey.....	5	89	5.3	49.3	44.2	89.7	.701	34.56	30.97
New York.....	4	25	5.4	49.0	46.6	95.1	.518	25.38	24.13
Pennsylvania.....	15	28	5.4	51.1	48.2	94.3	.651	33.27	31.30
Rhode Island.....	12	91	5.5	48.0	48.4	100.8	.534	25.63	25.84
Vermont.....	3	28	5.4	48.0	46.2	96.3	.523	25.10	24.20
Total.....	80	470	5.3	48.8	44.5	91.2	.567	27.67	25.23
Perchers, female:									
Maine.....	3	14	5.1	50.1	41.0	81.8	.441	22.09	18.10
Massachusetts.....	1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire.....	1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New York.....	1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Pennsylvania.....	1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Rhode Island.....	6	33	4.6	48.0	42.2	87.9	.465	22.32	19.62
Total.....	13	65	4.7	48.6	40.8	84.0	.438	21.29	17.86
Fullers, male:									
Connecticut.....	8	20	5.5	49.4	47.7	96.6	.464	22.92	22.12
Maine.....	14	30	5.0	50.7	48.7	96.1	.458	23.22	22.32
Massachusetts.....	12	74	5.4	48.0	46.9	97.7	.495	23.76	23.24
New Hampshire.....	5	16	5.5	49.9	53.7	107.6	.471	23.50	25.29
New Jersey.....	5	46	5.2	48.2	42.8	88.8	.603	29.06	25.81
New York.....	4	14	5.8	52.0	54.1	104.0	.471	24.49	25.44
Pennsylvania.....	10	17	5.2	51.6	48.8	94.6	.541	27.92	26.42
Rhode Island.....	7	33	5.6	48.0	55.8	116.3	.433	20.78	24.21
Vermont.....	3	9	5.1	48.0	47.0	97.9	.443	21.26	20.81
Total.....	68	259	5.3	49.0	48.5	99.0	.494	24.21	23.99

¹Data included in total.

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

ONE-WEEK PAY PERIOD—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full-time hours worked in pay period	Average earnings per hour	Average full-time earnings per pay period	Average actual earnings per pay period
Washer tenders, cloth, male:									
Connecticut.....	9	25	5.4	49.4	49.1	99.4	\$0.473	\$23.37	\$23.20
Maine.....	16	41	5.0	52.3	50.6	96.7	.434	22.70	21.93
Massachusetts.....	12	136	5.1	50.2	45.8	91.2	.437	21.94	20.02
New Hampshire.....	5	17	4.9	52.6	44.6	84.8	.436	22.93	19.41
New Jersey.....	5	37	5.3	48.8	47.3	96.9	.570	27.82	26.95
New York.....	4	25	4.8	50.5	47.8	94.7	.440	22.22	21.01
Pennsylvania.....	10	24	5.2	51.7	48.0	92.8	.531	27.45	25.49
Rhode Island.....	10	66	5.3	48.0	54.3	113.1	.456	21.89	24.75
Vermont.....	2	7	5.0	48.3	50.9	105.4	.438	21.16	22.27
Total.....	73	378	5.1	50.0	48.5	97.0	.462	23.10	22.37
Dryer tenders, cloth, male:									
Connecticut.....	8	9	5.3	48.9	50.1	102.5	.440	21.52	22.03
Maine.....	15	34	5.1	52.5	49.6	94.5	.444	23.31	22.03
Massachusetts.....	12	76	5.2	49.7	46.5	93.6	.438	21.77	20.34
New Hampshire.....	5	15	5.5	50.0	52.0	104.0	.423	21.15	21.98
New Jersey.....	5	29	5.2	48.5	49.2	101.4	.592	28.71	29.12
New York.....	4	22	4.5	50.1	44.4	88.6	.430	21.54	19.09
Pennsylvania.....	10	25	4.8	52.1	44.7	85.8	.539	28.08	24.14
Rhode Island.....	10	17	5.0	48.0	48.0	100.0	.440	21.12	21.12
Vermont.....	2	3	5.0	48.0	45.7	95.2	.443	21.26	20.22
Total.....	71	230	5.1	50.1	47.5	94.8	.468	23.45	22.22
Truckers, male:									
Connecticut.....	9	66	5.4	48.4	45.2	93.4	.469	22.70	21.16
Maine.....	14	104	5.1	49.7	43.9	88.3	.420	20.87	18.44
Massachusetts.....	12	764	4.5	48.1	37.0	76.9	.411	19.77	15.20
New Hampshire.....	5	43	5.1	50.8	45.3	89.2	.380	19.30	17.20
New Jersey.....	6	85	5.2	48.6	43.3	89.1	.506	24.59	21.88
New York.....	4	36	5.6	50.7	48.0	94.7	.426	21.60	20.45
Pennsylvania.....	14	40	5.6	52.6	52.9	100.6	.474	24.93	25.10
Rhode Island.....	12	246	5.6	48.0	48.0	100.0	.382	18.34	18.34
Vermont.....	3	35	5.2	48.1	47.4	98.5	.431	20.73	20.43
Total.....	79	1,419	4.9	48.5	41.4	85.4	.417	20.22	17.25
Laborers, dye house, male:									
Connecticut.....	9	91	5.3	49.3	48.6	98.6	.457	22.53	22.22
Maine.....	16	161	5.0	50.2	44.1	87.8	.449	22.54	19.76
Massachusetts.....	12	357	4.4	48.0	38.4	80.0	.459	22.03	17.63
New Hampshire.....	5	40	4.8	50.9	46.7	91.7	.418	21.28	19.54
New Jersey.....	5	95	5.2	49.3	49.2	99.8	.547	28.97	26.94
New York.....	4	46	4.5	50.2	46.0	91.6	.437	21.94	20.10
Pennsylvania.....	8	33	4.9	53.0	47.6	89.8	.408	26.39	23.72
Rhode Island.....	10	120	5.0	48.2	50.2	104.1	.449	21.64	22.54
Vermont.....	3	19	3.6	48.0	32.4	67.5	.416	19.97	13.46
Total.....	72	962	4.8	49.1	43.8	89.2	.463	22.73	20.2
Other employees, male:									
Connecticut.....	10	305	5.4	49.2	47.0	95.5	.493	24.26	23.15
Maine.....	16	582	5.2	51.3	47.8	93.2	.491	25.19	23.49
Massachusetts.....	13	3,100	4.8	48.9	40.4	82.6	.485	23.72	19.59
New Hampshire.....	5	374	5.3	51.6	49.2	95.3	.416	21.47	20.45
New Jersey.....	6	985	5.2	48.2	45.0	93.4	.567	27.33	25.51
New York.....	4	389	5.5	51.3	50.5	98.4	.481	24.68	24.32
Pennsylvania.....	23	690	5.3	52.6	49.5	94.1	.582	30.61	28.82
Rhode Island.....	12	981	5.3	48.5	47.6	98.1	.478	23.18	22.77
Vermont.....	3	217	5.5	48.0	48.2	100.4	.491	23.57	23.68
Total.....	92	7,623	5.1	49.5	44.7	90.3	.501	24.80	22.45

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

ONE-WEEK PAY PERIOD—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average number of days worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full-time hours worked in pay period	Average earnings per hour	Average full-time earnings per pay period	Average actual earnings per pay period
Other employees, female:									
Connecticut.....	9	126	5.3	49.3	43.6	88.4	\$0.291	\$14.35	\$12.69
Maine.....	14	171	4.9	49.7	40.1	80.7	.326	16.20	13.06
Massachusetts.....	13	1,500	4.0	48.0	32.0	66.7	.355	17.04	11.37
New Hampshire.....	4	153	5.4	53.3	47.6	89.3	.306	16.31	14.56
New Jersey.....	5	126	4.9	48.0	37.1	77.3	.452	21.70	16.77
New York.....	4	160	4.9	48.3	35.8	74.1	.342	16.52	12.24
Pennsylvania.....	23	691	4.6	52.8	40.8	77.3	.390	20.59	15.91
Rhode Island.....	12	731	5.3	48.1	44.4	92.3	.350	16.84	15.52
Vermont.....	2	116	5.4	48.0	47.5	99.0	.299	14.35	14.20
Total.....	86	3,774	4.6	49.2	38.2	77.6	.355	17.47	13.56

TWO-WEEK PAY PERIOD

Weavers, male:									
Connecticut.....	10	531	9.0	97.8	74.3	76.0	\$0.681	\$66.60	\$50.61
Maine.....	16	540	8.5	99.8	70.0	70.1	.659	65.77	46.12
Massachusetts.....	12	1,320	8.4	96.4	68.2	70.7	.676	65.17	46.11
New Hampshire.....	5	231	9.6	98.6	77.6	78.7	.599	59.06	46.49
New Jersey.....	5	356	9.8	98.8	86.1	87.1	.688	67.97	59.27
New York.....	4	211	10.9	99.6	87.5	87.9	.636	63.35	55.67
Pennsylvania.....	16	351	9.5	101.6	85.1	83.8	.602	61.16	51.27
Rhode Island.....	12	926	9.9	96.6	83.2	86.1	.664	64.14	55.27
Vermont.....	3	175	8.3	96.0	67.9	70.7	.584	56.06	39.67
Total.....	83	4,641	9.1	97.8	76.1	77.8	.658	64.35	50.07
Weavers, female:									
Connecticut.....	10	180	8.5	98.6	68.9	69.9	.637	62.81	43.90
Maine.....	16	359	8.4	100.2	66.9	66.8	.622	62.32	41.65
Massachusetts.....	12	747	8.9	96.0	72.2	75.2	.634	60.86	45.77
New Hampshire.....	5	92	9.0	101.8	75.2	73.9	.496	50.49	37.30
New Jersey.....	5	354	8.0	96.4	64.2	66.6	.655	63.14	42.11
New York.....	4	102	11.1	98.6	94.0	95.3	.596	58.77	56.00
Pennsylvania.....	14	254	9.1	100.6	82.6	82.1	.484	48.69	39.98
Rhode Island.....	10	267	10.3	96.0	83.5	87.0	.610	58.56	50.92
Vermont.....	3	64	9.0	96.0	70.3	73.2	.562	53.95	39.56
Total.....	79	2,419	8.9	97.6	73.3	75.1	.605	59.05	44.39

TABLE B.—Average and classified earnings per hour in 13 specified occupations, 1928, by sex and State

Occupation, sex, and State	Number of establishments	Number of employees	Average earnings per hour	Number of employees whose earnings per hour were—																
				14, under 16 cents	16, under 18 cents	18, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 35 cents	35, under 40 cents	40, under 45 cents	45, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90 cents, under \$1.00	\$1.00, under \$1.10	\$1.10, under \$1.25	\$1.25 and over
Wool sorters, male:																				
Connecticut.....	2	8	\$.801											2			6			
Maine.....	3	56	.666											7						
Massachusetts.....	4	173	.721											6		13	43			
New Hampshire.....	1	(1)	(1)											(1)	(1)	(1)	155	3	1	
New Jersey.....	4	61	.845											(1)		4	11	(1)	26	14
Pennsylvania.....	5	37	.686											1	5	14	16		1	6
Rhode Island.....	3	35	.748												1	3	27		4	
Total.....	22	392	.728								7	2	17	40	263	42	15	6		
Wool sorters, female:																				
Massachusetts.....	1	(1)	(1)														(1)			
New York.....	1	(1)	(1)							(1)		(1)								
Total.....	2	27	.565							5		1				21				
Card tenders, male:																				
Connecticut.....	9	58	.425						5	8	27	15	3							
Maine.....	15	71	.426						2	30	31	3	1						4	
Massachusetts.....	9	148	.420						7	22	103	16								
New Hampshire.....	4	42	.406						5	5	28	4								
New Jersey.....	5	85	.567								20	7	24	34						
New York.....	3	28	.425								7	16	2	3						
Pennsylvania.....	9	56	.464								10	19	10	11	6					
Rhode Island.....	6	40	.413						3	19	9	7	2							
Vermont.....	2	22	.463								8	12	2							
Total.....	62	550	.447						22	101	261	76	46	40			4			
Card tenders, female:																				
Maine.....	7	36	.352						30	1	5									
Massachusetts.....	4	69	.376						1	48	20									
New Hampshire.....	1	(1)	(1)				(1)	(1)	3											
New Jersey.....	2	21	.477									18								
Pennsylvania.....	1	(1)	(1)				(1)													
Total.....	15	136	.383				6	38	49	25	18									

¹ Data included in total.

TABLE B.—Average and classified earnings per hour in 13 specified occupations, 1928, by sex and State—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average earnings per hour	Number of employees whose earnings per hour were—																
				14, under 16 cents	16, under 18 cents	18, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 35 cents	35, under 40 cents	40, under 45 cents	45, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90 cents, under \$1.00	\$1.00, under \$1.10	\$1.10, under \$1.25	\$1.25 and over
Drawing-frame tenders, male:																				
Massachusetts	2	55	\$.384							47	8									
New Hampshire	1	(1)	(1)				(1)		(1)											
New Jersey	1	(1)	(1)						(1)		(1)									
Rhode Island	2	5	.443						1		2			2						
Total	6	66	.386					1	2	48	13			2						
Drawing-frame tenders, female:																				
Maine	1	(1)	(1)				(1)	(1)	(1)											
Massachusetts	4	798	.375					14	741	25	18									
New Hampshire	1	(1)	(1)				(1)	(1)	(1)	(1)										
New Jersey	4	176	.384					50	42	11	71	2								
New York	2	84	.357					22	56	6										
Pennsylvania	6	341	.312				12	78	201	47	4	1								
Rhode Island	6	271	.360					16	150	17	30	58								
Vermont	1	(1)	(1)						(1)											
Total	25	1,766	.356				12	111	463	947	83	148	2							
Spinners, mule, male:																				
Connecticut	9	157	.627						1		1	10	71	35	30	7	1	1		
Maine	15	201	.668						1	1	4	5	55	62	46	18	7	1	1	1
Massachusetts	9	302	.757									1	13	52	123	95	15	3		
New Hampshire	5	85	.684						1				21	31	18	10	2	2		
New Jersey	3	39	.793											4	5	30				
New York	4	103	.654							1	3	26	39	18	7		8			1
Pennsylvania	8	109	.549							7	14	61	21	6						
Rhode Island	5	76	.758									3	17	30	24	1		1		
Vermont	3	34	.658									1	28	4						
Total	61	1,106	.684						3	1	13	34	250	289	280	192	34	8	2	
Spinners, frame, female:																				
Maine	1	(1)	(1)						(1)	(1)										
Massachusetts	4	483	.401				2	22	221	78	160									
New Hampshire	1	(1)	(1)			(1)	(1)	(1)	(1)											
New Jersey	4	206	.420					34	45	19	93	15								
New York	1	(1)	(1)					(1)	(1)	(1)		(1)	(1)	(1)	(1)	(1)				

Pennsylvania.....	5	271	.335			4	47	80	126	11	3								
Rhode Island.....	5	181	.367					122	13	2	40								
Vermont.....	1	(1)	(1)						(1)										
Total.....	22	1,281	.383			6	51	307	430	153	296	21	5	9	3				
Doffers, male:																			
Maine.....	1	(1)	(1)						(1)	(1)									
New Jersey.....	1	(1)	(1)				(1)	(1)											
New York.....	1	(1)	(1)							(1)									
Pennsylvania.....	5	27	.307			4	6	11	6										
Rhode Island.....	1	(1)	(1)				(1)	(1)											
Total.....	9	73	.303			4	41	18	7	3									
Doffers, female:																			
Maine.....	1	(1)	(1)					(1)	(1)										
Massachusetts.....	4	193	.322				87	62	12	10	17	5							
New Hampshire.....	1	(1)	(1)			(1)	(1)												
New Jersey.....	2	44	.345					12	30	2									
New York.....	1	(1)	(1)				(1)												
Pennsylvania.....	5	173	.260			72	83	17	1										
Rhode Island.....	5	105	.272			54	29	9	11	2									
Vermont.....	1	(1)	(1)				(1)												
Total.....	20	588	.284			166	216	111	50	14	17	5							
Spooler-tenders, female:																			
Connecticut.....	10	103	.370		1	8	19	38	11	6	5	9	4	2					
Maine.....	15	134	.408		1	1	12	29	19	22	15	33	2						
Massachusetts.....	12	519	.382			4	20	222	78	66	68	32	19	9	1				
New Hampshire.....	5	72	.391			6	2	4	27	18	6	7	2						
New Jersey.....	6	105	.406				3	34	16	8	21	13	9		1				
New York.....	4	58	.429				1	7	17	10	9	12	2						
Pennsylvania.....	16	179	.315			52	23	35	39	20	6	4							
Rhode Island.....	11	173	.360		2	3	37	54	21	20	28	7	1						
Vermont.....	3	64	.327				39	8	11	2	2	1	1						
Total.....	82	1,407	.371		2	2	74	156	431	239	172	160	118	40	11	2			
Loom fixers, male:																			
Connecticut.....	10	45	.755									1	5	33	6				
Maine.....	16	58	.769									1	14	20	20	2	1		
Massachusetts.....	12	226	.840									1	2	72	100	39	6	3	3
New Hampshire.....	5	36	.692									14	1	13	7	1			
New Jersey.....	5	73	.937									4	6	12	18	33			
New York.....	4	36	.707									1	15	16	4				
Pennsylvania.....	16	63	.879									6	2	15	33	6	1		
Rhode Island.....	12	124	.814									2	40	76	6				
Vermont.....	3	31	.819										18	8	5				
Total.....	83	692	.821							1		17	49	220	248	104	46	4	3

¹Data included in total.

TABLE B.—Average and classified earnings per hour in 13 specified occupations, 1928, by sex and State—Continued

Occupation, sex, and State	Number of establishments	Number of employ-ees	Average earnings per hour	Number of employees whose earnings per hour were—																	
				14, under 16 cents	16, under 18 cents	18, under 20 cents	20, under 25 cents	25, under 30 cents	30, under 35 cents	35, under 40 cents	40, under 45 cents	45, under 50 cents	50, under 60 cents	60, under 70 cents	70, under 80 cents	80, under 90 cents	90 cents, under \$1.00	\$1.00, under \$1.10	\$1.10, under \$1.25	\$1.25 and over	
Weavers, male:																					
Connecticut.....	10	531	\$.681					1	2	5	17	20	95	144	145	79	13	4	2	4	
Maine.....	16	540	.659					3	3	12	19	31	124	164	90	45	16	22	7	4	
Massachusetts.....	12	1,320	.676	1	1		2	7		7	28	33	62	279	353	230	158	76	35	14	20
New Hampshire.....	5	231	.599							7	10	10	19	60	70	39	11	4			1
New Jersey.....	5	356	.688						1	2	6	9	60	101	106	47	16	5	1		2
New York.....	4	211	.636						1		3	6	20	45	67	62	6	1			
Pennsylvania.....	16	351	.602		2		3	6	8	12	14	27	93	113	58	12	1	1	1	1	
Rhode Island.....	12	926	.664	1		1		2	10	16	30	69	183	243	221	104	35	5	4		2
Vermont.....	3	175	.584				1	1	8	10	10	11	62	33	22	10	5	1	1		
Total.....	83	4,641	.658	2	3	1	6	21	60	98	145	268	1,001	1,288	973	472	167	73	30		33
Weavers, female:																					
Connecticut.....	10	180	.637					1	2	8	11	15	36	40	44	19	3		1		
Maine.....	16	359	.622					2	2	9	28	40	97	82	53	14	16	9	4		3
Massachusetts.....	12	747	.634				1	8	15	28	31	54	184	201	132	49	30	8	3		3
New Hampshire.....	5	92	.496					3	8	11	9	9	25	15	10	2					
New Jersey.....	5	354	.655				1		1	11	14	18	65	96	76	46	20	2			4
New York.....	4	102	.596				1	1		1	2	12	46	23	14	2					
Pennsylvania.....	14	254	.484	2	1	1	3	13	31	20	34	28	62	42	14	1	1	1			
Rhode Island.....	10	267	.610						4	6	11	22	95	81	32	10	3	1			2
Vermont.....	3	64	.562					3	1	6	3	4	21	11	6	5	1	3			
Total.....	79	2,419	.605	2	1	1	6	31	64	100	143	202	631	591	381	148	74	24	8		12
Burlers, female:																					
Connecticut.....	10	84	.393				4	15	16	11	14	7	13	4							
Maine.....	13	128	.337		1	4	6	16	57		14	12	16	2							
Massachusetts.....	12	559	.386			5	17	48	179	113	67	89	36	5							
New Hampshire.....	5	193	.357				2	36	60	55	30	7	1	1			1				
New Jersey.....	5	157	.462					1		7	50	67	23	9							
New York.....	4	79	.430						4	30	32	2	10	1							
Pennsylvania.....	15	191	.343	12	2	5	7	8	45	78	24	8									
Rhode Island.....	12	252	.395				3	16	57	63	62	18	31	2							
Vermont.....	3	48	.337	5				6	17	10	9		1								
Total.....	79	1,691	.383	17	3	14	39	146	435	367	302	210	133	24			1				

Menders, female:																		
Connecticut.....	10	124	.452					1	17	16	19	47	12	7	5			
Maine.....	16	187	.420					1	12	51	80	29		5	8	1		
Massachusetts.....	12	772	.492	1		1		9	21	113	155	148	194	95	28	6	1	
New Hampshire.....	5	71	.440					1	6	4	13	46	1					
New Jersey.....	5	118	.615							3	5	13	27	43	19	2	1	
New York.....	4	102	.528							3	6	27	53	9	3		1	
Pennsylvania.....	15	200	.508			1		6	7	11	42	36	44	33	13	5	2	
Rhode Island.....	12	443	.490		1	1		8	27	54	66	64	157	51	14			
Vermont.....	3	69	.425	2		5		3	7	17	3	12	16	4				
Total.....	82	2,086	.488	2	1	1	8	29	97	276	389	422	504	247	90	14	5	1
Truckers, male:																		
Connecticut.....	9	66	.469					2		6	21	19	11	7				
Maine.....	14	104	.420					4	11	13	51	19	6					
Massachusetts.....	12	764	.411					14	30	311	274	51	78	6				
New Hampshire.....	5	43	.380					2	12	7	17	5						
New Jersey.....	6	85	.506								18	15	49	3				
New York.....	4	36	.425						4	2	19	8	3					
Pennsylvania.....	14	40	.474							5	7	14	12	2				
Rhode Island.....	12	246	.382			27		26	14	52	92	29	5	1				
Vermont.....	3	35	.431					1	1	1	28	1	2		1			
Total.....	79	1,419	.417				27	49	72	397	527	161	166	19	1			
Laborers, dye house, male:																		
Connecticut.....	9	91	.457							1	45	39	5	1				
Maine.....	16	161	.449							6	112	13	17	11	2			
Massachusetts.....	12	357	.459					1	1	10	149	147	45	3	1			
New Hampshire.....	5	40	.418							7	27	5	1					
New Jersey.....	5	95	.547									27	27	41				
New York.....	4	46	.437							7	31	6	1	1				
Pennsylvania.....	8	33	.498							2	7	10	11	3				
Rhode Island.....	10	120	.449							6	82	10	21	1				
Vermont.....	3	19	.416								10							
Total.....	72	962	.463					1	1	39	472	257	128	61	3			

TABLE C.—Average and classified full-time hours per week in 13 specified occupations, 1928, by sex and State

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
Wool sorters, male:										
Connecticut	2	8	52.5		2		6			
Maine	3	56	54.0				56			
Massachusetts	4	173	48.0		173					
New Hampshire	1	(1)	(1)				(1)			
New Jersey	4	61	48.0		61					
Pennsylvania	5	37	54.0				37			
Rhode Island	3	35	48.0		35					
Total	22	392	49.9		271		121			
Wool sorters, female:										
Massachusetts	1	(1)	(1)		(1)					
New York	1	(1)	(1)			(1)				
Total	2	27	48.3		21	6				
Card tenders, male:										
Connecticut	9	58	49.7		40	9	5			4
Maine	15	71	50.2		44	3	18	6		
Massachusetts	9	148	50.6		115				4	29
New Hampshire	4	42	52.5		27		3	2		3
New Jersey	5	85	48.0		85					
New York	3	28	52.4		6	2	20			
Pennsylvania	9	56	53.2		6	15	33	8		
Rhode Island	6	40	48.9		37					3
Vermont	2	22	48.0		22					
Total	62	550	50.3		376	29	79	16	4	39
Card tenders, female:										
Maine	7	36	47.8	6	23		7			
Massachusetts	4	69	48.0		69					
New Hampshire	1	(1)	(1)		(1)					
New Jersey	2	21	48.0		21					
Pennsylvania	1	(1)	(1)				(1)			
Total	15	136	48.1	6	119		11			
Drawing-frame tenders, male:										
Massachusetts	2	55	48.0		55					
New Hampshire	1	(1)	(1)				(1)			
New Jersey	1	(1)	(1)		(1)					
Rhode Island	2	5	48.0		5					
Total	6	66	48.2		64		2			
Drawing frame tenders, female:										
Maine	1	(1)	(1)				(1)			
Massachusetts	4	798	48.0		798					
New Hampshire	1	(1)	(1)				(1)			
New Jersey	4	176	48.0		176					
New York	2	84	48.0		84					
Pennsylvania	6	341	53.7			29	312			
Rhode Island	6	271	48.4		219	52				
Vermont	1	(1)	(1)		(1)					
Total	25	1,766	49.4		1,292	81	393			
Spinners, mule, male:										
Connecticut	9	157	49.3		115	21	16			5
Maine	15	201	49.1	7	151		33	10		
Massachusetts	9	302	48.6		279			15	8	
New Hampshire	5	85	50.3		67		4			14
New Jersey	3	39	48.0		39					
New York	4	103	50.9		50	4	49			
Pennsylvania	8	109	53.6			24	64	21		
Rhode Island	5	76	48.0		76					
Vermont	3	34	48.0		34					
Total	61	1,106	49.5	7	811	49	166	46	8	19

¹ Data included in total.

TABLE C.—Average and classified full-time hours per week in 13 specified occupations, 1928, 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
Spinners, frame, female:										
Maine.....	1	(1)	(1)				(1)			
Massachusetts.....	4	483	48.0		483					
New Hampshire.....	1	(1)	(1)				(1)			
New Jersey.....	4	206	48.0		206					
New York.....	1	(1)	(1)				(1)			
Pennsylvania.....	5	271	53.5			32	239			
Rhode Island.....	5	181	48.2		166	15				
Vermont.....	1	(1)	(1)		(1)					
Total.....	22	1,281	49.7		892	47	342			
Doffers, male:										
Maine.....	1	(1)	(1)				(1)			
New Jersey.....	1	(1)	(1)		(1)					
New York.....	1	(1)	(1)			(1)				
Pennsylvania.....	5	27	52.7			9	18			
Rhode Island.....	1	(1)	(1)		(1)					(1)
Total.....	9	73	50.3		40	11	20			2
Doffers, female:										
Maine.....	1	(1)	(1)				(1)			
Massachusetts.....	4	193	48.0		193			(1)		
New Hampshire.....	1	(1)	(1)				(1)			
New Jersey.....	2	44	48.0		44					
New York.....	1	(1)	(1)		(1)					
Pennsylvania.....	5	173	53.6			18	155			
Rhode Island.....	5	105	48.3		90	15				
Vermont.....	1	(1)	(1)		(1)					
Total.....	20	588	50.3		343	33	212			
Spooler tenders, female:										
Connecticut.....	10	103	48.9		81	11	11			
Maine.....	15	134	49.7		95		39			
Massachusetts.....	12	519	48.0		519					
New Hampshire.....	5	72	51.9		25		47			
New Jersey.....	6	105	48.4		97	8				
New York.....	4	58	48.4		42	16				
Pennsylvania.....	16	179	52.2		45	17	117			
Rhode Island.....	11	173	48.0		173					
Vermont.....	3	64	48.0		64					
Total.....	82	1,407	49.0		1,141	52	214			
Loom fixers, male:										
Connecticut.....	10	45	49.1		34	4	7			
Maine.....	16	58	50.5		35		17	6		
Massachusetts.....	12	226	48.2		221		3			2
New Hampshire.....	5	36	50.5		21		14	1		
New Jersey.....	5	73	48.9		64	5			4	
New York.....	4	36	50.4		19	4	13			
Pennsylvania.....	16	63	50.6		27	15	20		1	
Rhode Island.....	12	124	48.5		117			6		1
Vermont.....	3	31	48.0		5	25	1			
Total.....	83	692	49.0		5	563	29	74	13	5
Weavers, male:										
Connecticut.....	10	531	48.9		416	50	65			
Maine.....	16	540	49.9		381		104	55		
Massachusetts.....	12	1,320	48.2		1,289		13			7
New Hampshire.....	5	231	49.3		194		27	4		
New Jersey.....	5	356	49.4		285	35			36	
New York.....	4	211	49.8		130	27	54			
Pennsylvania.....	16	351	50.8		169	53	118		11	
Rhode Island.....	12	926	48.3		892			31		3
Vermont.....	3	175	48.0		26	144	5			
Total.....	83	4,641	48.9		26	3,900	170	381	90	47
									10	17

¹ Data included in total.

TABLE C.—Average and classified full-time hours per week in 13 specified occupations, 1928, 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
Weavers, female:										
Connecticut.....	10	180	49.3	115	40	25				
Maine.....	16	359	50.1	235		124				
Massachusetts.....	12	747	48.0	747						
New Hampshire.....	5	92	50.9	47		45				
New Jersey.....	5	354	48.2	340	14					
New York.....	4	102	49.3	19	83					
Pennsylvania.....	14	254	50.3	104	82	68				
Rhode Island.....	10	267	48.0	267						
Vermont.....	3	64	48.0	64						
Total.....	79	2,419	48.8	1,938	219	262				
Burlers, female:										
Connecticut.....	10	84	49.1	65	6	13				
Maine.....	13	128	51.2	59		69				
Massachusetts.....	12	559	48.0	559						
New Hampshire.....	5	193	53.4	20		173				
New Jersey.....	5	157	48.9	123	34					
New York.....	4	79	48.3	65	14					
Pennsylvania.....	15	191	50.7	63	73	55				
Rhode Island.....	12	252	48.0	252						
Vermont.....	3	48	48.0	48						
Total.....	79	1,691	49.3	1,254	127	310				
Menders, female:										
Connecticut.....	10	124	49.4	90	9	25				
Maine.....	16	187	49.1	154		33				
Massachusetts.....	12	772	48.0	772						
New Hampshire.....	5	71	49.9	49		22				
New Jersey.....	5	118	49.0	95	23					
New York.....	4	102	48.1	93	9					
Pennsylvania.....	15	200	50.5	89	46	65				
Rhode Island.....	12	443	48.0	443						
Vermont.....	3	69	48.0	69						
Total.....	82	2,086	48.5	1,854	87	145				
Truckers, male:										
Connecticut.....	9	66	48.4	52	14					
Maine.....	14	104	49.7	3	68	32	1			
Massachusetts.....	12	764	48.1	1	753			2	8	
New Hampshire.....	5	43	50.8	25		16	1			1
New Jersey.....	6	85	48.6	75	10					
New York.....	4	36	50.7	18	3	15				
Pennsylvania.....	14	40	52.6	5	7	28				
Rhode Island.....	12	246	48.0	246						
Vermont.....	3	35	48.1	33	2					
Total.....	79	1,419	48.5	4	1,275	36	91	2	2	8
Laborers, dyehouse, male:										
Connecticut.....	9	91	49.3	66	9	16				
Maine.....	16	161	50.2	102		54	5			
Massachusetts.....	12	357	48.0	352	5					
New Hampshire.....	5	40	50.9	21		19				
New Jersey.....	5	95	49.3	85	8					2
New York.....	4	46	50.2	25	6	15				
Pennsylvania.....	8	33	53.0		13	11	6	3		
Rhode Island.....	10	120	48.2	114	3	3				
Vermont.....	3	19	48.0	19						
Total.....	72	962	49.1	784	44	118	11	3		2

TABLE D.—Average and classified hours actually worked in one pay period in 13 specified occupations, 1928, by sex and State

ONE-WEEK PAY PERIOD

Occupation, sex, and State	Number of establishments	Number of employees	Average hours actually worked in pay period	Number of employees whose hours actually worked in pay period were—																															
				Under 4	4, under 8	8, under 12	12, under 16	16, under 20	20, under 24	24, under 28	28, under 32	32, under 36	36, under 40	40, under 44	44, under 48	Over 48, under 50	50, under 52	52, under 54	54	Over 54, under 56	56, under 58	58, under 60	60	Over 60, under 65	65, under 70	70, under 80	80 and over								
Wool sorters, male:																																			
Connecticut.....	2	8	45.1														6	2																	
Maine.....	3	56	41.3							1	1					41																			
Massachusetts.....	4	173	19.8		1	2	17	111	12	20					2				2	6															
New Hampshire.....	1	(¹)	(¹)		(¹)																														
New Jersey.....	4	61	29.0					7	25					1	19										9										
Pennsylvania.....	5	37	36.7				2	15							1										3	3				13					
Rhode Island.....	3	35	44.8				1			5					1		2	1	1					3	1										
Total.....	22	392	30.3		3	2	20	133	42	21	3	22	43	1	9	20	14		3	20	36														
Wool sorters, female:																																			
Massachusetts.....	1	(¹)	(¹)			(¹)																													
New York.....	1	(¹)	(¹)												(¹)				(¹)																
Total.....	2	27	24.0			1		20							2				4																
Card tenders, male:																																			
Connecticut.....	9	58	44.5			2					5	1	9						5	18															
Maine.....	15	71	45.8			2					3	6	3	3	3	1	19	6	3	3	11	2	3												
Massachusetts.....	9	148	40.8		1	3	18	15	3	4	8	10	8	2		17			2	10															
New Hampshire.....	4	42	45.1		1	1								5	1	3			9	1	1														
New Jersey.....	5	85	40.3		1		1	2	15	1	1				15		3		24						22										
New York.....	3	28	51.2														1	5	2	1	2	3	11	1	2	3	11	1	1	1					
Pennsylvania.....	9	56	46.7		1	1			1	8				1					1	5	3	22	12												
Rhode Island.....	6	40	47.4				1	2	1		5					2			6	5	3	1													
Vermont.....	2	22	45.5			1	1								1				5	1		2													
Total.....	62	550	43.9		4	11	21	19	21	21	26	25	29	16	13	100	15	18	58	48	19	23	21	8	10	24									

¹Data included in total.

TABLE D.—Average and classified hours actually worked in one pay period in 13 specified occupations, 1923, by sex and State—Continued
ONE-WEEK PAY PERIOD—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average hours actually worked in pay period	Number of employees whose hours actually worked in pay period were—																									
				Under 4	4, under 8	8, under 12	12, under 16	16, under 20	20, under 24	24, under 28	28, under 32	32, under 36	36, under 40	40, under 44	44, under 48	48	Over 48, under 50	50, under 52	52, under 54	54	Over 54, under 56	56, under 58	58, under 60	60	Over 60, under 65	65, under 70	70, under 80	80 and over	
Card tenders, female:																													
Maine	7	36	41.7		2		1	1	2		1		11	1	5	4		7		1									
Massachusetts	4	69	30.7				12	2	7	29	7	3			9														
New Hampshire	1	(1)	(1)			(1)						(1)	(1)																
New Jersey	2	21	45.8										4	1	16														
Pennsylvania	1	(1)	(1)										(1)																
Total	15	136	36.3		2	1	13	4	9	29	9	12	14	1	30	4		7		1									
Drawing-frame tenders, male:																													
Massachusetts	2	55	31.1			1	2	1	16	16	5	12			2														
New Hampshire	1	(1)	(1)							(1)		(1)			(1)														
New Jersey	1	(1)	(1)										(1)		(1)														
Rhode Island	2	5	30.8			1		1		1	1								1										
Total	6	66	32.1			2	2	2	16	18	6	13	1		5			1											
Drawing-frame tenders, female:																													
Maine	1	(1)	(1)					(1)	(1)	(1)		(1)			(1)			(1)											
Massachusetts	4	798	29.0		60	6	44	73	180	158	156	51	30		40			(1)											
New Hampshire	1	(1)	(1)							(1)		(1)			(1)			(1)											
New Jersey	4	176	39.6				9	6	5	41	4	3	26		81			1											
New York	2	84	45.6		1					2	3	3	1	69	1														
Pennsylvania	6	341	44.0		1	1	4	11		3	4	93	10	5	15	1	50	27	6	108	2								
Rhode Island	6	271	44.7		3	8	3	1	8	2	5	7	5	9	7	133	15	34	30	1									
Vermont	1	(1)	(1)									(1)	(1)		(1)														
Total	25	1,766	37.2		5	69	13	66	89	191	212	262	78	74	26	337	95	61	38	147	3								
Spinners, mule, male:																													
Connecticut	9	157	39.1	1	2	3	3	1	5	16	13	18	5	9	34	33	2	1	1	5					5				
Maine	15	201	37.5	4	4	1	9	10	7	14	12	16	18	26	23	14	5	14	3	20				1					
Massachusetts	9	302	38.6		1	4	9	6	2	55	32	28	48	11	26	24	4	6	3	1			10				28	4	
New Hampshire	5	85	36.9	1	3	3	3	5	3	9	6	7	6	4	2	3	2		1	25					2				
New Jersey	3	39	38.5						8						20														
New York	4	103	43.6	3	3	2	2	2	1					7	27		14			30									
Pennsylvania	8	109	49.6		3		2		2		2		4	2	11	1		11	11	43					19				

Rhode Island.....	5	76	39.3	---	2	4	1	2	3	5	---	4	4	14	---	36	---	---	---	---	---	---	---	---	---	---	1			
Vermont.....	3	34	43.1	---	---	---	1	---	---	---	---	2	5	3	1	21	---	---	---	---	---	---	---	---	---	---	---	---		
Totals.....	61	1,106	40.1	9	15	21	27	29	29	99	72	79	98	73	104	179	27	32	19	124	19	11	---	---	---	7	28	5		
Spinners, frame, female:																														
Maine.....	1	(¹)	(¹)	---	---	---	---	---	---	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
Massachusetts.....	4	483	31.9	---	---	4	3	55	18	103	88	49	63	87	7	6	(¹)	---	---	---	---	---	---	---	---	---	---	---		
New Hampshire.....	1	(¹)	(¹)	---	---	---	---	(¹)	---	---	---	---	---	---	---	---	(¹)	---	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
New Jersey.....	4	206	38.8	---	---	3	5	2	24	2	18	---	13	55	1	83	---	---	---	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
New York.....	1	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
Pennsylvania.....	5	271	39.8	---	---	13	3	3	2	8	14	104	6	7	6	1	11	9	1	83	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
Rhode Island.....	5	181	44.9	1	---	1	3	4	5	5	4	3	7	1	131	---	14	2	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)			
Vermont.....	1	(¹)	(¹)	---	---	---	---	(¹)	---	---	---	---	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
Total.....	22	1,281	37.9	3	3	21	13	64	50	120	128	160	107	164	18	231	57	23	5	114	---	---	---	---	---	---	---	---	---	
Doffers, male:																														
Maine.....	1	(¹)	(¹)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Jersey.....	1	(¹)	(¹)	---	---	---	---	---	---	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
New York.....	1	(¹)	(¹)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Pennsylvania.....	5	27	50.9	---	---	---	---	---	---	---	---	---	2	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Rhode Island.....	1	(¹)	(¹)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	
Total.....	9	73	47.8	---	---	---	---	---	---	---	4	---	6	2	4	29	1	7	1	17	2	---	---	---	---	---	---	---	---	
Doffers, female:																														
Maine.....	1	(¹)	(¹)	---	---	---	---	(¹)	---	---	---	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
Massachusetts.....	4	193	31.8	---	1	---	1	27	3	35	35	35	23	26	---	7	---	---	---	---	---	---	---	---	---	---	---	---	---	
New Hampshire.....	1	(¹)	(¹)	---	---	---	---	(¹)	---	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
New Jersey.....	2	44	29.0	---	---	1	---	5	---	14	1	8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
New York.....	1	(¹)	(¹)	---	---	---	---	---	---	---	---	---	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
Pennsylvania.....	5	173	42.1	---	1	2	1	1	4	4	10	53	4	7	5	---	14	8	---	59	---	---	---	---	---	---	---	---		
Rhode Island.....	5	105	44.6	---	1	2	1	---	2	3	1	2	1	8	1	75	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vermont.....	1	(¹)	(¹)	---	---	(¹)	---	---	---	---	---	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)		
Total.....	20	588	38.7	---	4	5	8	30	23	44	54	92	37	59	10	92	32	14	---	84	---	---	---	---	---	---	---	---	---	
Spooler tenders, female:																														
Connecticut.....	10	103	41.9	---	---	---	1	1	1	3	5	31	4	5	9	20	---	4	9	7	---	---	---	---	---	---	---	---	---	
Maine.....	15	134	37.6	1	5	6	3	5	7	4	9	13	7	24	5	11	1	4	2	27	---	---	---	---	---	---	---	---	---	---
Massachusetts.....	12	519	26.1	---	11	30	42	32	120	120	41	31	22	21	5	44	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Hampshire.....	5	72	43.1	---	---	6	1	1	5	1	1	---	2	2	5	6	18	---	---	24	---	---	---	---	---	---	---	---	---	---
New Jersey.....	6	105	40.8	---	---	1	---	---	12	8	2	16	4	20	1	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New York.....	4	58	31.3	3	3	3	2	4	6	6	2	4	---	3	5	7	8	---	---	---	---	---	---	---	---	---	---	---	---	---
Pennsylvania.....	16	179	45.4	---	---	8	9	3	1	1	7	6	3	6	11	18	8	5	6	86	---	---	---	---	---	---	---	---	---	---
Rhode Island.....	11	173	39.2	---	5	5	2	5	6	20	10	7	8	16	6	48	3	3	24	5	---	---	---	---	---	---	---	---	---	---
Vermont.....	3	64	47.4	1	---	---	1	---	2	3	4	2	2	3	1	7	2	2	3	---	---	---	---	---	1	25	5	---	---	
Total.....	82	1,407	35.6	5	23	59	61	51	162	164	81	110	52	100	48	173	40	22	54	149	8	29	8	---	---	---	---	---	---	---

¹ Data included in total.

TABLE D.—Average and classified hours actually worked in one pay period in 13 specified occupations, 1928, by sex and State—Continued
ONE-WEEK PAY PERIOD—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average hours actually worked in pay period	Number of employees whose hours actually worked in pay period were—																									
				Under 4	4, under 8	8, under 12	12, under 16	16, under 20	20, under 24	24, under 28	28, under 32	32, under 36	36, under 40	40, under 44	44, under 48	48	Over 48, under 50	50, under 52	52, under 54	54	Over 54, under 56	56, under 58	58, under 60	60	Over 60, under 65	65, under 70	70, under 80	80 and over	
Loom-fixers, male:																													
Connecticut.....	10	45	46.1										9		5	23										1			
Maine.....	16	58	47.1			1				1		1		5		7	1	12		1	4	5				2		1	
Massachusetts.....	12	226	41.7			1	1	6			3	2	63	2	72	2	58	4		2	2	3			3		2	4	
New Hampshire.....	5	36	49.1					1					1	3	2	3	7					9		3				1	
New Jersey.....	5	73	48.4											4		59							6						
New York.....	4	36	47.7	1				1						2	1	16			3			12							
Pennsylvania.....	16	63	47.8			1		1						7	7	18				11		1	1	1	2	3			
Rhode Island.....	12	124	46.9							7						14			4	71	14	3	2						
Vermont.....	3	31	43.7			1		2	1	1			1		15	4	11				1	6							
Total.....	83	692	45.4	1	4	1	11	9	5	2	78	21	109	16	275	22	25	21	50	6	12	7	5	11	1				
Burlers, female:																													
Connecticut.....	10	84	42.0								14	3	5		9	9	44												
Maine.....	13	128	37.2	1	4	4	2	1	17	14	4	4	2	22	2	27			1	7	1	15							
Massachusetts.....	12	559	35.3			11	4	62	34	72	6	88	51	41	123	67													
New Hampshire.....	5	193	46.3		1	3		2	1	8	2	4	20	49	6					22	8	7	56						
New Jersey.....	5	157	37.3		1	2	4	3	5	5	9	40	17	47	7	1	5	5	6										
New York.....	4	79	36.6	6	1	1		1		1	15	11	5	4	8	15	9	2											
Pennsylvania.....	15	191	39.4	2	2		6	3	29	5	4	8	20	17	13	9	7	43	8	15									
Rhode Island.....	12	252	42.6		1	4	8		1	2	29	2	15	21	23	146													
Vermont.....	3	48	41.1					6	1	2	1		2	7	1	27					1								
Total.....	79	1,691	39.0	9	10	25	24	78	88	123	73	162	116	188	235	342	44	65	23	86									
Menders, female:																													
Connecticut.....	10	124	44.3				1	1		12	2	3	4	12	21	28	3	25	12										
Maine.....	16	187	42.3	1	1	3	2	4	13	14	1	12	4	6	5	70	3	16	16	16									
Massachusetts.....	12	772	34.7		2	4	11	12	27	90	178	183	61	46	32	126													
New Hampshire.....	5	71	43.7	1	2	1	2	1	2	3	1		1	4	1	28				1	10	13							
New Jersey.....	5	118	44.3			1				2			11	8	12	6	64			2	6	2			1	2	1		
New York.....	4	102	31.9	1	12	3				5	30	16	2	14	6	9	1	3											
Pennsylvania.....	15	200	39.0	1	2	2	5	4	16	10	18	17	10	24	6	29	7	25	4	20									

Rhode Island.....	12	443	42.0	3	8	1	1	4	53	3	101	32	56	176	3	1	1																				
Vermont.....	3	69	47.0				3	3	1	3	7	3	8	5	2	1	6				27																
Total.....	82	2,086	39.0	4	22	22	22	26	63	139	283	248	198	153	141	535	21	78	51	49	1	29	1														
Truckers, male:																																					
Connecticut.....	9	66	45.2						2	1	10	2	4	6	29			3	2	6	1																
Maine.....	14	104	43.9		4	2	3	2	2	2	4	6	16	23	13	6	2	12	1	1				2								2	1				
Massachusetts.....	12	764	37.0	4	20	15	66	23	64	50	102	60	139	14	122	7	28	20	2	2	7	3	2	11	3												
New Hampshire.....	5	43	45.3		1		3	2	2	3		2		6			3	16	1	1	2																
New Jersey.....	6	85	43.3		1	2		2	7	4	8	3	8	5	21	1	3	13	1	1			1	4													
New York.....	4	36	48.0							2	1		5	1	12	2	2	10	1																		
Pennsylvania.....	14	40	52.9									2	2	4	4	5	4	11	2	1													2	3			
Rhode Island.....	12	246	48.0		2		2	4	1	3	1	6	29	3	130	8	3	24	2	2	6	5	2	5	6	2											
Vermont.....	3	35	47.4		1	1			1		1		4	2	6		8	4		2	1	1		1	2												
Total.....	79	1,419	41.4	4	29	20	74	33	79	65	125	77	199	47	353	35	58	72	60	13	17	11	5	23	15	5											
Laborers, dyehouse, male:																																					
Connecticut.....	9	91	48.6		1			4	2	2	11	1	5	6	3	2	3	11	5	14	4	6	1	4	3	3											
Maine.....	16	161	44.1		1	3	2	1	1	1	10	30	23	8	26	18	7	14	5	8	1			1		1											
Massachusetts.....	12	357	38.4	10	11	15	24	21	14	19	34	31	25	35	10	13	11	31		15	11	3	1	6	17												
New Hampshire.....	5	40	46.7			1	2	4		2		3	2			2	13		1		1																
New Jersey.....	5	95	49.2									37	4	5	5	22	5			2																	
New York.....	4	46	46.0				1	1		2	12	1		1		3	5	4	2	7	2		2														
Pennsylvania.....	8	33	47.6			2		3		1		2	2			3	3	4	6	1	1			4	1												
Rhode Island.....	10	120	50.2						8		20			7	1	17	8	7	2	2	11	8	8	11	10												
Vermont.....	3	19	32.4		1			3	3		8	2	1																								
Total.....	72	962	43.8	11	13	21	29	37	28	27	95	107	62	62	45	77	42	84	20	48	37	21	10	31	41	7											

TABLE E.—Average and classified actual earnings in one pay period in 13 specified occupations, 1928, by sex and State

ONE-WEEK PAY PERIOD

Occupation, sex, and State	Number of establishments	Number of employees	Average actual earnings in pay period	Number of employees whose actual earnings in pay period were—																							
				Under \$4	\$4, under \$6	\$6, under \$8	\$8, under \$10	\$10, under \$12	\$12, under \$14	\$14, under \$16	\$16, under \$18	\$18, under \$20	\$20, under \$22	\$22, under \$24	\$24, under \$26	\$26, under \$28	\$28, under \$30	\$30, under \$32	\$32, under \$34	\$34, under \$36	\$36, under \$38	\$38, under \$40	\$40, under \$42	\$42, under \$44	\$44, under \$46	\$46, under \$50	\$50 and over
Wool sorters, male:																											
Connecticut.....	2	8	\$36.15																								
Maine.....	3	56	27.51																								
Massachusetts.....	4	173	14.28		1	2	16	14	98	1	11	20															
New Hampshire.....	1	(1)	(1)	(1)	(1)																						
New Jersey.....	4	61	24.55							2	5	2	12	9	5	4	5	6	3								
Pennsylvania.....	5	37	25.22				2	1	1	13																	
Rhode Island.....	3	35	33.53							1	5																
Total.....	22	392	22.06	1	2	2	18	16	101	24	14	35	9	12	8	13	49	10	4	15	11	21	22	4	1		
Wool sorters, female:																											
Massachusetts.....	1	(1)	(1)			(1)			(1)																		
New York.....	1	(1)	(1)							(1)	(1)	(1)		(1)													
Total.....	2	27	13.55			1			20	2	2	1		1													
Card tenders, male:																											
Connecticut.....	9	58	18.92	1	1		3	2	1	11	2	8	12	5	4	8											
Maine.....	15	71	19.50	1	1			8	2	5	2	23	15	6	1	3											
Massachusetts.....	9	148	17.13	4	6	16	15	3	11	9	9	11	11	16	19	2	1	15									
New Hampshire.....	4	42	18.31	1	2		1		5	2	6	9	2	10	2												
New Jersey.....	5	85	22.82	1			1	16	1	1	16	4	3	1													
New York.....	3	28	21.81							1	1	7	5	10													
Pennsylvania.....	9	56	21.67	1		1	1	7	1		1	12	13	6	3	5											
Rhode Island.....	6	40	19.56	1		3		5			5	6	1	8	6	2	1	2									
Vermont.....	2	22	21.04	1		1					3	2	6	2	3	1	2										
Total.....	62	550	19.63	11	10	22	21	41	21	29	44	71	67	71	41	21	15	30	24	7		4					
Card tenders, female:																											
Maine.....	7	36	14.69	2		1	3	1	5	9	2	13															
Massachusetts.....	4	69	11.53			13	5	23	13	4	11																
New Hampshire.....	1	(1)	(1)		(1)			(1)	(1)	(1)																	
New Jersey.....	2	21	21.87						3				2			16											
Pennsylvania.....	1	(1)	(1)					(1)																			
Total.....	15	136	13.91	2	1	15	8	29	23	14	13	15		16													

¹ Data included in total.

TABLE E.—Average and classified actual earnings in one pay period in 13 specified occupations, 1928, by sex and State—Continued
ONE-WEEK PAY PERIOD—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average actual earnings in pay period	Number of employees whose actual earnings in pay period were—																									
				Under \$4	\$4, under \$6	\$6, under \$8	\$8, under \$10	\$10, under \$12	\$12, under \$14	\$14, under \$16	\$16, under \$18	\$18, under \$20	\$20, under \$22	\$22, under \$24	\$24, under \$26	\$26, under \$28	\$28, under \$30	\$30, under \$32	\$32, under \$34	\$34, under \$36	\$36, under \$38	\$38, under \$40	\$40, under \$42	\$42, under \$44	\$44, under \$46	\$46, under \$50	\$50 and over		
Drawing-frame tenders, male:																													
Massachusetts.....	2	55	\$11.93	---	1	2	12	18	8	12	---	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
New Hampshire.....	1	(1)	(1)	---	---	---	(1)	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
New Jersey.....	1	(1)	(1)	---	---	---	---	---	---	(1)	---	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Rhode Island.....	2	5	13.61	---	1	---	---	1	1	---	---	(2)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Total.....	6	66	12.39	---	2	2	13	20	9	12	2	5	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Drawing-frame tenders, female:																													
Maine.....	1	(1)	(1)	---	(1)	(1)	(1)	(1)	(1)	(1)	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Massachusetts.....	4	798	10.89	57	11	77	149	238	147	54	46	17	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
New Hampshire.....	1	(1)	(1)	---	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---		
New Jersey.....	4	176	15.20	---	---	8	5	8	84	45	6	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
New York.....	2	84	16.27	1	---	2	2	5	22	46	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Pennsylvania.....	6	341	13.71	2	4	16	7	88	35	100	49	34	6	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Rhode Island.....	6	271	16.11	7	6	8	6	5	24	121	19	7	21	42	5	---	---	---	---	---	---	---	---	---	---	---	---		
Vermont.....	1	(1)	(1)	---	---	---	---	---	(1)	(1)	(1)	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Total.....	25	1,766	13.24	67	21	112	172	340	226	408	235	84	48	47	6	---	---	---	---	---	---	---	---	---	---	---	---		
Spinners, mule, male:																													
Connecticut.....	9	157	24.52	2	3	3	2	2	12	8	7	6	6	10	19	32	14	6	3	2	8	4	1	2	---	3	2		
Maine.....	15	201	25.01	7	3	2	3	9	7	10	12	4	14	13	16	13	20	17	15	13	5	6	4	5	5	3	---		
Massachusetts.....	9	302	29.64	1	---	5	4	6	4	4	3	19	29	20	22	17	16	28	34	20	10	11	7	7	5	9	6		
New Hampshire.....	5	85	25.25	2	3	3	---	4	4	6	3	5	7	3	3	0	0	1	1	12	---	---	---	---	---	---	---		
New Jersey.....	3	39	30.50	---	---	---	---	---	---	---	8	---	---	1	4	---	---	---	---	---	2	8	1	---	---	---	---		
New York.....	4	103	28.51	5	1	1	---	4	---	2	1	2	6	4	6	12	20	18	8	5	---	---	---	---	3	1	---		
Pennsylvania.....	8	109	27.20	---	3	---	2	---	---	2	1	4	1	7	13	28	29	---	---	13	4	---	---	---	---	---	---		
Rhode Island.....	5	76	29.76	1	---	4	---	2	3	---	5	---	1	1	2	---	8	12	9	5	11	---	---	---	---	---	1		
Vermont.....	3	34	28.35	---	---	1	1	---	---	---	---	1	---	1	4	2	4	13	5	---	1	---	---	---	---	---	---		
Total.....	61	1,106	27.39	18	13	19	12	27	30	30	41	40	60	62	87	104	109	105	88	77	44	24	44	21	13	29	9		
Spinners, frame, female:																													
Maine.....	1	(1)	(1)	---	---	---	(1)	(1)	---	(1)	(1)	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Massachusetts.....	4	483	12.81	2	6	61	58	78	76	117	24	53	6	2	---	---	---	---	---	---	---	---	---	---	---	---	---		
New Hampshire.....	1	(1)	(1)	---	---	(1)	(1)	(1)	(1)	(1)	(1)	(1)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
New Jersey.....	4	206	16.33	2	2	6	24	3	5	46	31	56	4	18	9	---	---	---	---	---	---	---	---	---	---	---	---		
New York.....	1	(1)	(1)	(1)	(1)	(1)	---	(1)	(1)	---	(1)	(1)	(1)	(1)	(1)	(1)	---	---	---	---	(1)	(1)	---	---	---	---	---		

TABLE E.—Average and classified actual earnings in one pay period in 13 specified occupations, 1928, by sex and State—Continued
ONE-WEEK PAY PERIOD—Continued

Occupation, sex, and State	Number of establishments	Number of employes	Average actual earnings in pay period	Number of employees whose actual earnings in pay period were—																								
				Under \$4	\$4, under \$6	\$6, under \$8	\$8, under \$10	\$10, under \$12	\$12, under \$14	\$14, under \$16	\$16, under \$18	\$18, under \$20	\$20, under \$22	\$22, under \$24	\$24, under \$26	\$26, under \$28	\$28, under \$30	\$30, under \$32	\$32, under \$34	\$34, under \$36	\$36, under \$38	\$38, under \$40	\$40, under \$42	\$42, under \$44	\$44, under \$46	\$46, under \$50	\$50 and over	
Burlers, female:																												
Connecticut.....	10	84	\$16.50			4	5	3	16	10	19	9	7	2	3	2	2											
Maine.....	13	128	12.52	9	2	10	5	33	20	26	13	10																
Massachusetts.....	12	559	13.62	15	26	71	90	69	26	47	28	42	96	21	14	4	2											
New Hampshire.....	5	193	16.52	4	2	5	5	11	16	42	28	43	21	12	1	1					1							
New Jersey.....	5	157	17.25		4	4	2	8	13	20	23	42	15	19	7													
New York.....	4	79	15.70	8				3	24	4	12	15	4	1			8											
Pennsylvania.....	15	191	13.50	16	16	7	12	9	10	47	24	44	6															
Rhode Island.....	12	252	16.81	6	7		1	8	24	45	63	52	27	6	10	3												
Vermont.....	3	48	13.84	3	8			2	4	13	7	6	4		1													
Total.....	79	1,691	14.91	61	65	101	120	146	153	264	217	263	180	61	36	10	10	2									1	
Menders, female:																												
Connecticut.....	10	124	20.05			1	1	12	6	9	13	12	34	13	7	4	4	5	2	1								
Maine.....	16	187	17.77	5	2	2	1	16	3	21	39	26	28	44														
Massachusetts.....	12	772	17.07	7	6	11	39	70	65	152	79	121	78	84	36	16	5	2	1									
New Hampshire.....	5	71	19.23	4	1	1	2	3	3	4	1	3	28	9	8	4												
New Jersey.....	5	118	27.24		1			1	1	7	1	6	12	11	8	10	19	16	8	4	6	3						
New York.....	4	102	16.82	14	2			2	35	14	2	8	4	7	5	4	1	1	1	1								
Pennsylvania.....	15	200	19.84	4	2	11	3	2	9	14	22	40	37	18	3	1	7	12	9	6								
Rhode Island.....	12	443	20.67	9	3		1	11	41	65	45	45	27	59	54	17	20	26	10	5	4	1						
Vermont.....	3	69	19.95	1	2	1	2	2	7	2	7	7	10	11	2	7	4	1	2	1								
Total.....	82	2,086	19.05	44	19	27	49	118	137	309	221	262	262	253	125	64	63	63	33	18	10	4				2	2	1
Truckers, male:																												
Connecticut.....	9	66	21.16					1	4	6	4	9	14	11	4	6	3	3	1									
Maine.....	14	104	18.44	1	6	2		6	5	12	3	16	25	21	1	2	2											
Massachusetts.....	12	764	15.20	15	27	70	50	68	111	63	97	67	84	52	34	17	4	4	1									
New Hampshire.....	5	43	17.20		1	3	3	1	3	2	5	12	3	9			1											
New Jersey.....	6	85	21.88		1	1	1	9	1	1	10	12	3	5	14	13	10	3	1									
New York.....	4	36	20.45						3	3	3	5	10	6	4	2	4	2										
Pennsylvania.....	14	40	25.10							1	2	6	3	12	9	4	1	1	1									
Rhode Island.....	12	246	18.34	1	2	3	4	31	19	16	38	42	20	47	9	5	3	2	3									
Vermont.....	3	35	20.43	1	1		1		1	1	5	1	12	6	2	3												
Total.....	79	1,419	17.25	18	38	79	59	116	147	104	166	166	177	160	80	57	27	13	7	2	2						1	

Laborers, dyehouse, male:

Connecticut	9	91	22.22	1				3	3	2	6	7	6	9	19	8	14	4	4	1	3						
Maine	16	161	19.76			3	3	2			7	19	36	44	31	11	2	2									
Massachusetts	12	357	17.63	11	11	21	24	22	23	34	43	23	42	33	36	11	9	12	8	2	2						
New Hampshire	5	40	19.54		1	2	3	3		3	2	3	11	3	2	1	3	3									
New Jersey	5	95	26.94								5			40	9	13	14		2	1	4	2		4	1		
New York	4	46	20.10			1	1	1		7	8		5	5	5	7	4	2			1	1			4	1	
Pennsylvania	8	33	23.72		1	1	2		1	1	1	4	1	8	2				7		2	1	2				
Rhode Island	10	120	22.54					8	2	18	7		5	22	12	18	15	3	7	9						1	
Vermont	3	19	13.46	1				3	3	2	2	1	1														
Total	72	962	20.28	13	16	28	38	39	38	83	78	83	134	141	93	60	38	33	20	8	8	5	4	2			

TWO-WEEK PAY PERIOD

Occupation, sex, and State	Number of establishments	Number of employees	Average actual earnings in pay period	Number of employees whose earnings in pay period were—																											
				Under \$4	\$4 under \$6	\$6 under \$8	\$8 under \$10	\$10 under \$12	\$12 under \$14	\$14 under \$16	\$16 under \$18	\$18 under \$20	\$20 under \$24	\$24 under \$28	\$28 under \$32	\$32 under \$36	\$36 under \$40	\$40 under \$44	\$44 under \$48	\$48 under \$52	\$52 under \$56	\$56 under \$60	\$60 under \$64	\$64 under \$68	\$68 under \$72	\$72 under \$76	\$76 under \$80	\$80 under \$84	\$84 and over		
Weavers, male:																															
Connecticut	10	531	\$50.61	1	1	4	4	2	7	1	7	6	20	18	28	34	18	34	31	36	46	57	35	35	39	29	18	13	7		
Maine	16	540	46.12	5	6	7	15	14	9	8	6	14	27	20	46	23	40	24	32	43	42	44	27	18	18	8	7	5	42		
Massachusetts	12	1,320	46.11	6	10	9	16	14	29	32	33	32	61	46	75	67	69	95	102	86	85	89	93	78	47	42	42	31	31		
New Hampshire	5	231	46.49		5	1	3	2	3	2	2	5	6	7	12	13	11	19	13	24	19	26	24	19	11	3	1				
New Jersey	5	356	59.27						1	2	2	2	4	4	7	14	21	33	12	22	24	26	40	29	33	28	22	24	14		
New York	4	211	55.67		1				1	2	2	3	3	2	7	6	8	9	19	13	26	19	21	19	17	12	7	9	5		
Pennsylvania	16	351	51.27	2	3	1	1	2	5	2	3	2	9	7	17	19	23	17	32	20	26	36	28	39	26	12	11	8	2		
Rhode Island	12	926	55.27	2	3	3	7	6	9	6	10	12	21	26	35	41	38	30	60	59	76	86	81	57	65	65	27	30	71		
Vermont	3	175	39.67	2	1	2	5	5	4	2	3	3	9	9	16	17	8	10	12	21	15	8	9	6	4	1		3			
Total	83	4,641	50.07	18	30	27	41	45	67	54	68	77	156	139	243	234	236	271	313	324	359	391	358	300	260	200	135	123	172		
Weavers, female:																															
Connecticut	10	180	43.90		1	1	3	2	2	2	3	9	13	18	12	11	15	13	6	16	15	18	6	5	7	2					
Maine	16	359	41.65	3	4	5	7	8	12	14	10	10	17	15	23	19	20	25	29	28	23	23	18	9	12	3	1	2	19		
Massachusetts	12	747	45.77		7	4	9	5	8	15	16	22	27	31	45	46	55	55	56	48	56	54	59	40	29	25	17	7	11		
New Hampshire	5	92	37.30				4	2	5	4		2	2	4	8	8	4	7	6	10	10	5	4		3						
New Jersey	5	354	42.11				1	1	6				10	19	51	71	46	31	19	11	16	16	16	13	9	10	1	5	2		
New York	4	102	56.00	1						4		4	4	4	1	3	1	3	4	11	18	17	5	4	13	7	3	2	1		
Pennsylvania	14	254	39.98	2		2	4	2	3	4	4	1	10	23	39	21	25	18	16	14	18	11	14	12	6	2	3	3	2		
Rhode Island	10	267	50.92			2	1	1	5	3	2	2	10	8	9	12	8	5	21	34	31	29	24	29	11	11	3	2	4		
Vermont	3	64	39.56	1		2					1		4	4	2	10	8	8	7	7	3	3	2			1					
Total	79	2,419	44.39	7	12	14	29	22	41	42	37	40	95	120	196	202	178	167	171	169	191	173	160	114	88	65	31	18	37		

GENERAL TABLES

LIST OF BULLETINS OF THE BUREAU OF LABOR STATISTICS

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

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

Conciliation and Arbitration (including strikes and lockouts).

- *No. 124. Conciliation and arbitration in the building trades of Greater New York. [1913.]
- *No. 133. Report of the industrial council of the British Board of Trade on its inquiry into industrial agreements. [1913.]
- No. 139. Michigan copper district strike. [1914.]
- No. 144. Industrial court of the cloak, suit, and skirt industry of New York City. [1914.]
- No. 145. Conciliation, arbitration, and sanitation in the dress and waist industry of New York City. [1914.]
- *No. 191. Collective bargaining in the anthracite coal industry. [1916.]
- *No. 198. Collective agreements in the men's clothing industry. [1916.]
- No. 233. Operation of the industrial disputes investigation act of Canada. [1918.]
- No. 255. Joint industrial councils in Great Britain. [1919.]
- No. 283. History of the Shipbuilding Labor Adjustment Board, 1917 to 1919.
- No. 287. National War Labor Board: History of its formation, activities, etc. [1921.]
- No. 303. Use of Federal power in settlement of railway labor disputes. [1922.]
- No. 341. Trade agreement in the silk-ribbon industry of New York City. [1923.]
- No. 402. Collective bargaining by actors. [1926.]
- No. 468. Trade agreements, 1927.
- No. 481. Joint industrial control in the book and job printing industry. [1928.]

Cooperation.

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

Employment and Unemployment.

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

Foreign Labor Laws.

- *No. 142. Administration of labor laws and factory inspection in certain European countries. [1914.]

Housing.

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

Industrial Accidents and Hygiene.

- *No. 104. Lead poisoning in potteries, tile works, and porcelain enameled sanitary ware factories. [1912.]
- No. 120. Hygiene of the painters' trade. [1913.]
- *No. 127. Dangers to workers from dusts and fumes, and methods of protection. [1913.]
- *No. 141. Lead poisoning in the smelting and refining of lead. [1914.]
- *No. 157. Industrial accident statistics. [1915.]
- *No. 165. Lead poisoning in the manufacture of storage batteries. [1914.]
- *No. 179. Industrial poisons used in the rubber industry. [1915.]
- No. 188. Report of British departmental committee on the danger in the use of lead in the painting of buildings. [1916.]
- *No. 201. Report of committee on statistics and compensation insurance cost of the International Association of Industrial Accident Boards and Commissions. [1916.]
- *No. 207. Causes of death, by occupation. [1917.]
- *No. 209. Hygiene of the printing trades. [1917.]
- *No. 219. Industrial poisons used or produced in the manufacture of explosives. [1917.]
- No. 221. Hours, fatigue, and health in British munition factories. [1917.]
- No. 230. Industrial efficiency and fatigue in British munition factories. [1917.]
- *No. 231. Mortality from respiratory diseases in dusty trades (inorganic dusts). [1918.]
- *No. 234. Safety movement in the iron and steel industry, 1907 to 1917.
- No. 236. Effects of the air hammer on the hands of stoncutters. [1918.]
- No. 249. Industrial health and efficiency. Final report of British Health of Munition Workers' Committee. [1919.]
- *No. 251. Preventable death in the cotton-manufacturing industry. [1919.]
- No. 256. Accidents and accident prevention in machine building. [1919.]
- No. 267. Anthrax as an occupational disease. [1920.]
- No. 276. Standardization of industrial accident statistics. [1920.]
- No. 280. Industrial poisoning in making coal-tar dyes and dye intermediates. [1921.]
- No. 291. Carbon-monoxide poisoning. [1921.]
- No. 293. The problem of dust phthisis in the granite-stone industry. [1922.]
- No. 298. Causes and prevention of accidents in the iron and steel industry, 1910-1919.
- No. 306. Occupation hazards and diagnostic signs: A guide to impairments to be looked for in hazardous occupations. [1922.]
- No. 339. Statistics of industrial accidents in the United States. [1923.]
- No. 392. Survey of hygienic conditions in the printing trades. [1925.]
- No. 405. Phosphorus necrosis in the manufacture of fireworks and in the preparation of phosphorus. [1926.]
- No. 425. Record of industrial accidents in the United States to 1925.
- No. 426. Deaths from lead poisoning. [1927.]
- No. 427. Health survey of the printing trades, 1922 to 1925.
- No. 428. Proceedings of the Industrial Accident Prevention Conference, held at Washington, D. C., July 14-16, 1926.
- No. 460. A new test for industrial lead poisoning. [1928.]
- No. 466. Settlement for accidents to American seamen. [1928.]

Industrial Relations and Labor Conditions.

- No. 237. Industrial unrest in Great Britain. [1917.]
- No. 340. Chinese migrations, with special reference to labor conditions. [1923.]
- No. 349. Industrial relations in the west coast lumber industry. [1923.]
- No. 361. Labor relations in the Fairmont (W. Va.) bituminous-coal field. [1924.]
- No. 380. Postwar labor conditions in Germany. [1925.]
- No. 383. Works council movement in Germany. [1925.]
- No. 384. Labor conditions in the shoe industry in Massachusetts, 1920-1924.
- No. 399. Labor relations in the lace and lace-curtain industries in the United States. [1925.]

Labor laws of the United States (including decisions of courts relating to labor).

- No. 211. Labor laws and their administration in the Pacific States. [1917.]
- No. 229. Wage-payment legislation in the United States. [1917.]
- No. 285. Minimum-wage laws of the United States: Construction and operation. [1921.]
- No. 321. Labor laws that have been declared unconstitutional. [1922.]
- No. 322. Kansas Court of Industrial Relations. [1923.]
- No. 343. Laws providing for bureaus of labor statistics, etc. [1923.]
- No. 370. Labor laws of the United States, with decisions of courts relating thereto. [1925.]
- No. 408. Laws relating to payment of wages. [1926.]
- No. 444. Decisions of courts and opinions affecting labor, 1926.
- No. 467. Minimum-wage legislation in various countries. [1928.]
- No. 486. Labor legislation of 1928.

Proceedings of Annual Conventions of the Association of Governmental Labor Officials of the United States and Canada. (Name changed in 1928 to Association of Governmental Officials in Industry of the United States and Canada.)

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

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

- No. 210. Third, Columbus, Ohio, April 25-28, 1916.
- No. 248. Fourth, Boston, Mass., August 21-25, 1917.
- No. 264. Fifth, Madison, Wis., September 24-27, 1918.
- *No. 273. Sixth, Toronto, Canada, September 23-26, 1919.
- No. 281. Seventh, San Francisco, Calif., September 20-24, 1920.
- No. 304. Eighth, Chicago, Ill., September 19-23, 1921.
- No. 333. Ninth, Baltimore, Md., October 9-13, 1922.
- No. 359. Tenth, St. Paul, Minn., September 24-26, 1923.
- No. 385. Eleventh, Halifax, Nova Scotia, August 28-28, 1924.
- No. 395. Index to proceedings, 1914-1924.
- No. 406. Twelfth, Salt Lake City, Utah, August 17-20, 1925.
- No. 432. Thirteenth, Hartford, Conn., September 14-17, 1926.
- No. 456. Fourteenth, Atlanta, Ga., September 27-29, 1927.
- No. 485. Fifteenth, Paterson, N. J., September 11-14, 1928.

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

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

Productivity of Labor.

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

Retail Prices and Cost of Living.

- *No. 121. Sugar prices, from refiner to consumer. [1913.]
- *No. 130. Wheat and flour prices, from farmer to consumer. [1913.]
- No. 164. Butter prices, from producer to consumer. [1914.]
- No. 170. Foreign food prices as affected by the war. [1915.]
- No. 357. Cost of living in the United States. [1924.]
- No. 369. The use of cost-of-living figures in wage adjustments. [1925.]
- No. 464. Retail prices, 1890 to 1927.

Safety Codes.

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

Safety Codes—Continued.

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

Vocational Workers' Education.

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

Wages and Hours of Labor.

- *No. 146. Wages and regularity of employment and standardization of piece rates in the dress and waist industry of New York. [1914.]
- *No. 147. Wages and regularity of employment in the cloak, suit, and skirt industry. [1914.]
- No. 161. Wages and hours of labor in the clothing and cigar industries, 1911 to 1913.
- No. 163. Wages and hours of labor in the building and repairing of steam railroad cars, 1907 to 1913.
- *No. 190. Wages and hours of labor in the cotton, woolen, and silk industries, 1907 to 1914
- No. 204. Street-railway employment in the United States. [1917.]
- No. 225. Wages and hours of labor in the lumber, millwork, and furniture industries, 1915.
- No. 265. Industrial survey in selected industries in the United States, 1919.
- No. 297. Wages and hours of labor in the petroleum industry, 1920.
- No. 356. Productivity costs in the common-brick industry. [1924.]
- No. 358. Wages and hours of labor in the automobile-tire industry, 1923.
- No. 360. Time and labor costs in manufacturing 100 pairs of shoes, 1923.
- No. 365. Wages and hours of labor in the paper and pulp industry, 1923
- No. 394. Wages and hours of labor in metalliferous mines, 1924.
- No. 407. Labor costs of production and wages and hours of labor in the paper box-board industry, [1926.]
- No. 412. Wages, hours, and productivity in the pottery industry, 1925.
- No. 413. Wages and hours of labor in the lumber industry in the United States, 1925.
- No. 416. Hours and earnings in anthracite and bituminous coal mining, 1922 and 1924.
- No. 435. Wages and hours of labor in the men's clothing industry, 1911 to 1926.
- No. 438. Wages and hours of labor in the motor-vehicle industry, 1925.
- No. 442. Wages and hours of labor in the iron and steel industry, 1907 to 1925.
- No. 443. Wages and hours of labor in woolen and worsted goods manufacturing 1910 to 1926.
- No. 446. Wages and hours of labor in cotton-goods manufacturing, 1910 to 1926.
- No. 450. Wages and hours of labor in the boot and shoe industry, 1907 to 1926.
- No. 452. Wages and hours of labor in the hosiery and underwear industries, 1907 to 1926
- No. 454. Hours and earnings in bituminous-coal mining, 1922, 1924, and 1926.
- No. 471. Wages and hours of labor in foundries and machine shops, 1927.
- No. 472. Wages and hours of labor in slaughtering and meat packing, 1927.
- No. 476. Union scale of wages and hours of labor, 1927-1928. Supplement to Bul. 457.
- No. 482. Union scales of wages and hours of labor, May 15, 1928.
- No. 484. Wages and hours of labor of common street laborers, 1928.

Welfare Work.

- *No. 123. Employer's welfare work. [1913.]
- No. 222. Welfare work in British munitions factories. [1917.]
- *No. 250. Welfare work for employees in industrial establishments in the United States. [1919.]
- No. 468. Health and recreation activities in industrial establishments, 1926.

Wholesale Prices.

- No. 284. Index numbers of wholesale prices in the United States and foreign countries. [1921.]
- No. 440. Wholesale prices, 1890 to 1926.
- No. 453. Revised index numbers of wholesale prices, 1923 to July, 1927.
- No. 473. Wholesale prices, 1913 to 1927.

Women and Children in Industry.

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

Women and Children in Industry—Continued.

- *No. 176. Effect of minimum-wage determinations in Oregon. [1915.]
- *No. 180. The boot and shoe industry in Massachusetts as a vocation for women. [1915.]
- *No. 182. Unemployment among women in department and other retail stores of Boston, Mass. [1916.]
- No. 193. Dressmaking as a trade for women in Massachusetts. [1916.]
- No. 215. Industrial experience of trade-school girls in Massachusetts. [1917.]
- *No. 217. Effect of workmen's compensation laws in diminishing the necessity of industrial employment of women and children. [1918.]
- No. 223. Employment of women and juveniles in Great Britain during the war. [1917.]
- No. 253. Women in the lead industries. [1919.]

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

- *No. 101. Care of tuberculosis wage earners in Germany. [1912.]
- *No. 102. British national insurance act, 1911.
- No. 103. Sickness and accident insurance law in Switzerland. [1912.]
- No. 107. Law relating to insurance of salaried employees in Germany. [1913.]
- *No. 155. Compensation for accidents to employees of the United States. [1914.]
- No. 212. Proceedings of the conference on social insurance called by the International Association of Industrial Accident Boards and Commissions, Washington, D. C., December 5-9, 1916.
- *No. 243. Workmen's compensation legislation in the United States and foreign countries, 1917 and 1918.
- No. 301. Comparison of workmen's compensation insurance and administration. [1922.]
- No. 312. National health insurance in Great Britain, 1911 to 1921.
- No. 379. Comparison of workmen's compensation laws of the United States as of January 1, 1925.
- No. 423. Workmen's compensation legislation of the United States and Canada as of July 1, 1926.
- No. 477. Public-service retirement systems, United States and Europe. [1928.]

Miscellaneous Series.

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