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WAGES AND HOURS OF LABOR SERIES

**WAGES AND HOURS OF LABOR IN  
RAYON AND OTHER SYNTHETIC  
YARN MANUFACTURING : 1932**



AUGUST 1933

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

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## WAGES AND HOURS OF LABOR IN RAYON AND OTHER SYNTHETIC YARN MANUFACTURING, 1932

### Average Days, Hours, and Earnings, 1930 and 1932, by Occupation

Wage earners included in the studies of wages and hours of labor in establishments engaged in the manufacture of rayon and other synthetic yarn in the United States worked on an average of 5.7 days and 46.4 hours in a sample and representative week in 1932 and 5.4 days and 44.8 hours in 1 week in 1930. They earned an average of 35.9 cents per hour and \$16.64 in 1 week in 1932 and 44.1 cents per hour and \$19.76 in 1 week in 1930. They worked more days and hours and earned an average of 8.2 cents less per hour and \$3.12 less in 1 week in 1932 than in 1930. Their full-time hours per week averaged 48.2 in 1932 and 50.2 in 1930 and their full-time earnings per week averaged \$17.30 in 1932 and \$22.14 in 1930. They worked 96.3 percent of full time in 1932 and 89.2 percent in 1930, thus showing short-time work of 3.7 percent in 1932 and 10.8 percent in 1930.

The above averages are shown at the end of table 1 in this bulletin. They are the results of studies by the Bureau of Labor Statistics, United States Department of Labor, of the synthetic-yarn industry in the United States. In making the studies wage figures covering days, hours, and earnings were collected in 1930 by agents of the Bureau for each of 32,292 wage earners from the pay rolls of 21 representative establishments for a pay period in February, March, April, or May, and in 1932 for each of 25,326 wage earners of 20 establishments for a pay period in October, November, or December. Like averages are also presented for 1930 and 1932 for each of the 23 important occupations in the industry and for a miscellaneous group of wage earners designated "other employees." This group includes wage earners in all occupations in the industry other than those referred to as important occupations, no occupation in the group being considered of enough importance to warrant publishing separate averages for it.

Averages are shown in table 1 for males in 11 occupations in which there were no females, for females in 1 occupation (reelers and lacers) in which there were no males, and for males and females in 11 occupations and in the group of "other employees." Average earnings

per hour for males were more than for females in each of the 11 occupations and in the group of other employees. The averages for males in these occupations in the group ranged in 1930 from 35.4 cents per hour for cone, quill, cop, or bobbin winders to 55.5 cents for spinneret cleaners and in 1932 from 29.4 cents for twisters or throwers to 47 cents for other employees, and for females ranged in 1930 from 24.4 cents for truckers and handlers to 50.8 cents for spoolers, and in 1932 from 23.2 cents for laborers to 30 cents per hour for skein inspectors. Reelers and lacers, female, earned an average of 35.1 cents per hour in 1930 and 29.3 cents per hour in 1932. Average earnings per hour for males in the 11 occupations in which there were no females ranged in 1930 from 45.2 cents for bobbin driers to 58.8 cents for spinning-bath men and in 1930 from 33 cents for bobbin driers to 48.1 cents for cake inspectors.

TABLE 1.—Average days, hours, and earnings, and percent of full time worked in 1 week, 1930 and 1932, by occupation and sex

Occupation and sex	Year	Number of establishments	Number of wage earners	Average days on which wage earners worked in 1 week	Average full-time hours per week	Hours actually worked in 1 week		Average earnings per hour	Average full-time earnings per week	Average actual earnings in 1 week
						Average number	Percent of full time			
Chemical-building workers, male.	1930	21	1,782	5.8	53.6	48.3	90.1	\$.527	\$28.25	\$25.48
	1932	20	1,854	6.1	50.0	50.8	101.6	.406	20.30	20.53
Spinning-bath men, male.....	1930	21	229	5.7	50.7	47.2	93.1	.588	29.81	27.72
	1932	18	266	6.4	51.5	51.6	100.2	.402	20.70	20.73
Spinners, male.....	1930	21	4,359	5.3	49.9	42.4	85.0	.564	28.14	23.95
	1932	20	3,437	6.0	49.5	49.6	100.2	.437	22.62	22.64
Machine cleaners, male.....	1930	16	220	5.8	51.5	48.0	93.2	.458	23.59	21.99
	1932	15	142	5.9	47.2	45.9	97.2	.352	16.61	16.17
Spinneret cleaners, male.....	1930	19	161	5.9	51.4	49.6	96.5	.555	28.53	27.53
	1932	14	107	6.1	49.6	49.9	100.6	.404	20.04	20.16
Spinneret cleaners, female.....	1930	5	34	5.9	50.9	50.0	98.2	.298	15.17	14.87
	1932	7	52	5.8	48.4	48.8	100.8	.268	12.97	13.10
Filter cleaners, male.....	1930	18	134	5.8	52.9	50.1	94.7	.457	24.18	22.93
	1932	13	101	6.0	48.5	50.6	104.3	.356	17.27	18.03
Filter cleaners, female.....	1930	5	28	5.7	51.7	48.1	93.0	.313	16.18	15.06
	1932	4	18	6.0	49.0	49.6	101.2	.266	13.03	13.17
Bobbin washers, male.....	1930	9	443	5.9	50.0	49.2	98.4	.463	23.15	22.77
	1932	9	242	6.0	51.4	48.3	94.0	.336	17.27	16.24
Cake washers, male.....	1930	6	164	6.2	54.0	52.9	98.0	.487	26.30	25.77
	1932	5	160	5.3	50.2	43.4	86.5	.376	18.88	16.32
Bobbin driers, male.....	1930	9	77	6.1	52.2	50.2	96.2	.452	23.59	22.69
	1932	8	78	6.0	50.1	50.4	100.6	.330	16.53	16.63
Cake driers, male.....	1930	5	34	6.1	55.3	50.2	90.8	.490	27.10	24.64
	1932	2	10	5.2	43.2	41.6	96.3	.383	16.55	15.94
Cake inspectors, male.....	1930	3	34	6.4	55.3	51.8	93.7	.526	29.09	27.26
	1932	2	32	5.4	47.0	42.8	91.1	.481	22.61	20.58
Pump testers, male.....	1930	21	147	5.7	52.9	51.7	97.7	.501	26.50	25.89
	1932	18	99	6.0	47.6	47.8	100.4	.396	18.85	18.93
Spoolers, male.....	1932	4	74	5.6	46.7	44.4	95.1	.300	14.01	13.31
Spoolers, female.....	1930	3	523	5.5	45.6	39.2	86.0	.508	23.16	19.95
Twisters or throwers, male.....	1930	6	685	5.4	46.2	37.4	81.0	.281	12.98	10.54
	1932	6	722	5.5	49.7	46.1	92.8	.385	19.13	17.73
Twisters or throwers, female.....	1930	7	513	5.6	47.7	46.4	97.3	.294	14.02	13.63
	1932	12	1,834	5.4	49.7	45.5	91.5	.319	15.85	14.54
Reelers and lacers, female.....	1930	10	752	5.6	50.8	48.6	95.7	.269	13.67	13.08
	1932	20	4,636	4.9	49.5	40.2	81.2	.351	17.37	14.10
Winders, cone, quill, cop, or bobbin, male.....	1930	16	3,276	5.6	46.9	44.9	95.7	.293	13.74	13.15
	1932	10	1,013	5.2	50.0	42.7	85.4	.354	17.70	15.11
Winders, cone, quill, cop, or bobbin, female.....	1930	8	969	5.2	45.0	40.9	90.9	.305	13.73	12.46
	1932	17	2,402	5.4	48.2	44.5	92.3	.332	16.00	14.78
Skein washers and bleachers, male.....	1930	15	2,496	5.5	47.8	43.4	90.8	.269	12.86	11.68
	1932	19	865	5.4	51.5	46.7	90.7	.488	25.13	22.79
Skein driers, male.....	1930	16	694	5.8	47.9	48.3	100.8	.406	19.45	19.62
	1932	15	181	5.4	49.4	45.8	92.7	.453	22.38	20.74
	1932	8	239	5.7	48.4	47.2	97.5	.380	18.39	17.93

TABLE 1.—Average days, hours, and earnings, and percent of full time worked in 1 week, 1930 and 1932, by occupation and sex—Continued

Occupation and sex	Year	Number of establishments	Number of wage earners	Average days on which wage earners worked in 1 week	Average full-time hours per week	Hours actually worked in 1 week		Average earnings per hour	Average full-time earnings per week	Average actual earnings in 1 week
						Average number	Percent of full time			
Skein driers, female.....	1930	12	300	4.6	48.7	37.5	77.0	\$0.359	\$17.48	\$13.45
	1932	7	62	5.7	49.5	49.9	100.8	.283	14.01	14.13
Skein inspectors, male.....	1932	2	32	5.0	48.0	36.5	76.0	.300	14.40	10.94
Skein inspectors, female.....	1930	20	2,269	5.1	48.9	41.1	84.0	.342	16.72	14.06
	1932	16	1,670	5.4	46.8	43.8	93.6	.300	14.04	13.15
Cone inspectors, male.....	1930	3	23	6.1	50.0	50.4	100.8	.391	19.55	19.71
	1932	18	220	5.6	48.3	46.6	96.5	.346	16.71	16.13
Wrappers and packers, male.....	1930	14	621	5.7	48.1	45.1	93.8	.268	12.89	12.06
	1932	14	206	5.6	50.3	47.5	94.4	.404	24.85	23.44
Wrappers and packers, female.....	1930	20	119	5.5	47.4	44.8	94.5	.335	18.15	17.14
	1932	16	343	4.9	49.1	40.5	82.5	.338	16.60	13.72
Truckers and handlers, male.....	1930	20	373	5.7	48.7	46.3	95.1	.289	13.10	12.45
	1932	19	1,409	5.5	50.5	46.3	91.7	.369	18.63	17.11
Truckers, and handlers, female.....	1930	17	1,042	5.5	48.3	49.3	102.1	.301	14.63	14.83
	1932	5	21	6.0	49.8	48.6	97.6	.266	13.25	12.94
Laborers, male.....	1930	21	837	5.6	51.6	48.4	93.8	.394	20.33	19.10
	1932	19	833	5.7	49.7	46.5	95.5	.307	14.95	14.27
Laborers, female.....	1930	2	6	6.0	48.0	48.6	101.3	.232	11.14	11.26
	1932	2	6	6.0	48.0	48.6	101.3	.232	11.14	11.26
Other employees, male.....	1930	21	5,644	5.7	51.3	49.1	95.7	.550	28.22	27.00
	1932	20	3,803	5.7	48.2	46.8	97.1	.470	22.65	22.02
Other employees, female.....	1930	21	574	5.5	50.0	46.3	92.6	.325	16.25	15.03
	1932	16	425	5.6	48.2	45.9	95.2	.295	14.22	13.67
All employees: Male.....	1930	21	18,743	5.6	51.1	46.7	91.4	.504	25.75	23.53
	1932	20	14,869	5.8	48.6	47.9	98.6	.408	19.83	19.51
Female.....	1930	21	13,540	5.2	49.0	42.3	86.3	.344	16.86	14.55
	1932	20	10,457	5.6	47.6	44.3	93.1	.283	13.47	12.55
Male and female.....	1930	21	32,292	5.4	50.2	44.8	89.2	.441	22.14	19.76
	1932	20	25,326	5.7	48.2	46.4	96.3	.350	17.30	16.64

### Average Days, Hours, and Earnings, 1930 and 1932, by District

Table 2 shows average days, hours, earnings, and the percent of full time actually worked in 1 week for the wage earners included in the studies of the industry in each district in 1930 and 1932. The averages are for each sex separately and for both sexes combined, and are shown by districts instead of by States so as to avoid presenting figures for one establishment alone.

District 1 includes 1 plant in Connecticut, 1 in Massachusetts, 1 in New Hampshire, and 1 in Rhode Island.

District 2 includes 1 plant in Delaware, 2 in New York, 2 in Ohio, and 1 in Pennsylvania.

District 3 includes 1 plant in Georgia, 1 in Maryland, 1 in North Carolina, 3 in Tennessee, and 4 in Virginia.

Males in all districts combined worked on an average of 5.6 days and 46.7 hours in 1 week in 1930 and 5.8 days and 47.9 hours in 1932 and earned an average of 50.4 cents per hour and \$23.53 in 1 week in 1930 and 40.8 cents per hour and \$19.51 in 1 week in 1932. Their full-time hours per week averaged 51.1 in 1930 and 48.6 in 1932, and they actually worked 91.4 percent of full time in 1930 and 98.6 percent in 1932. Their full-time earnings per week averaged \$25.75 in 1930 and \$19.83 in 1932.

Females in all districts combined worked on an average of 5.2 days and 42.3 hours in 1 week in 1930 and 5.6 days and 44.3 hours in 1932 and earned an average of 34.4 cents per hour and \$14.55 in 1 week in 1930 and 28.3 cents per hour and \$12.55 in 1 week in 1932. Their full-time hours per week averaged 49 in 1930 and 47.6 in 1932 and they actually worked 86.3 percent of full time in 1930 and 93.1 percent in 1932. Their full-time earnings per week averaged \$16.86 in 1930 and \$13.47 in 1932.

Average earnings per hour of males ranged, by districts, from 45.3 to 65.7 cents in 1930 and from 38.2 to 50.3 cents in 1932, and of females from 30.7 to 44.7 cents in 1930 and from 27.5 to 31.9 cents in 1932. Earnings of each sex in each district were less in 1932 than in 1930.

TABLE 2.—Average days, hours, and earnings, 1930 and 1932, by sex and district

Sex and district	Year	Number of establishments	Number of wage earners	Average days on which wage earners worked in 1 week	Average full-time hours per week	Hours actually worked in 1 week		Average earnings per hour	Average full-time earnings per week	Average actual earnings per week
						Average number	Percent of full time			
<b>Males:</b>										
District 1.....	1930	5	861	5.9	50.7	51.7	102.0	\$0.508	\$25.76	\$26.26
	1932	4	544	6.1	50.3	51.4	102.2	.401	20.17	20.63
District 2.....	1930	6	4,415	5.6	49.9	46.8	93.8	.657	32.78	30.75
	1932	6	3,097	5.7	50.3	47.1	93.6	.503	25.30	23.68
District 3.....	1930	10	13,467	5.5	51.5	46.3	89.9	.453	23.33	20.99
	1932	10	11,228	5.8	48.1	47.9	99.6	.382	18.37	18.31
Total.....	1930	21	18,743	5.6	51.1	46.7	91.4	.504	25.75	23.53
	1932	20	14,869	5.8	48.6	47.9	98.6	.408	19.83	19.51
<b>Females:</b>										
District 1.....	1930	5	837	5.2	50.8	45.0	88.6	.357	18.14	16.04
	1932	4	536	5.5	50.3	48.1	95.6	.284	13.28	12.69
District 2.....	1930	6	3,482	5.1	47.5	39.4	82.9	.447	21.23	17.62
	1932	6	2,199	5.5	47.3	43.6	92.2	.319	15.09	13.88
District 3.....	1930	10	9,230	5.2	49.4	43.2	87.4	.307	15.17	13.26
	1932	10	7,722	5.6	47.0	44.3	93.5	.275	13.04	12.17
Total.....	1930	21	13,549	5.2	49.0	42.3	86.3	.344	16.86	14.55
	1932	20	10,457	5.6	47.6	44.3	93.1	.283	13.47	12.55
<b>Males and females:</b>										
District 1.....	1930	5	1,698	5.6	50.7	48.4	95.5	.439	22.26	21.22
	1932	4	1,090	5.8	50.3	49.8	99.0	.335	16.85	16.69
District 2.....	1930	6	7,897	5.4	48.9	43.5	89.0	.573	28.02	24.96
	1932	6	5,296	5.6	49.1	45.6	92.9	.430	21.11	19.61
District 3.....	1930	10	22,697	5.4	50.1	45.0	88.9	.396	20.04	17.84
	1932	10	18,950	5.7	47.8	46.4	97.1	.341	16.30	15.81
Total.....	1930	21	32,292	5.4	50.2	44.8	89.2	.441	22.14	19.76
	1932	20	25,328	5.7	48.2	46.4	96.3	.359	17.30	16.64

### Classified Earnings per Hour, 1930 and 1932, by Occupation

Average earnings per hour and a percentage distribution, by average earnings per hour, of the wage earners found in each of 10 representative occupations in the industry are presented in table 3 for 1930 and 1932. The classified figures in the table illustrate the variations in the spread of the average earnings per hour of the wage earners in all occupations in the industry in each year, beginning with those whose earnings per hour were less than 10 cents and extending

through the various classified groups to those who earned an average that was within the group of 95 cents and under \$1 per hour. The table is limited to the 10 occupations to save space and cost of printing.

Figures are presented for males only in 3, for females only in 1, and for both males and females in 6 occupations. The 9,448 males in these occupations are 64 percent of the males and the 8,906 females 85 percent of the females in all occupations in the plants included in the 1932 study, and the 18,354 males and females combined are 72 percent of all wage earners included in the study in that year. For a like distribution, by number, of the wage earners in these occupations in each district for 1932, see table B, page 21.

Table 3 shows that chemical building workers (the first occupational group in the table) earned an average of 52.7 cents per hour in 1930 as compared with 40.6 cents in 1932. In 1930, 25 percent of these wage earners earned less than 45 cents per hour while in 1932 the percentage was 69. Less than 1 percent of these workers earned an average of 65 cents or more per hour in 1932 as compared with 18 percent in 1930. These figures show graphically the decrease in earnings from 1930 to 1932.

TABLE 3.—Average and classified earnings per hour in 10 specified occupations, 1930 and 1932, by sex and year

Occupation and sex	Year	Number of establishments	Number of wage earners	Average earnings per hour	Percent of wage earners whose earnings per hour were—																						
					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 35 cts.	35, under 40 cts.	40, under 45 cts.	45, under 50 cts.	50, under 55 cts.	55, under 60 cts.	60, under 65 cts.	65, under 70 cts.	70, under 75 cts.	75, under 80 cts.	80, under 85 cts.	85, under 90 cts.	90, under 95 cts.	95 cts., under \$1	
Chemical-building workers, male.....	1930	21	1,782	\$0.527	—	—	—	—	—	( <sup>1</sup> )	—	( <sup>1</sup> )	1	6	8	10	14	16	15	11	7	2	2	4	2	1	( <sup>1</sup> )
	1932	20	1,854	.406	—	—	—	—	—	( <sup>1</sup> )	—	( <sup>1</sup> )	3	5	14	22	25	18	5	4	4	( <sup>1</sup> )	—	—	—	—	—
Spinners, male.....	1930	21	4,359	.564	—	—	—	—	—	—	—	—	( <sup>1</sup> )	7	6	13	9	8	11	12	17	2	( <sup>1</sup> )	1	12	( <sup>1</sup> )	—
	1932	20	3,437	.457	—	—	—	—	—	—	—	—	( <sup>1</sup> )	6	6	21	7	24	21	3	10	( <sup>1</sup> )	( <sup>1</sup> )	—	—	—	—
Spoolers, male.....	1932	4	74	.300	—	—	—	—	—	5	7	27	47	11	1	1	—	—	—	—	—	—	—	—	—	—	—
Spoolers, female.....	1930	3	523	.508	—	—	—	—	—	—	—	—	1	2	7	15	15	19	21	18	( <sup>1</sup> )	( <sup>1</sup> )	—	—	—	—	—
	1932	6	685	.281	—	—	—	2	1	4	15	41	34	3	( <sup>1</sup> )	—	—	—	—	—	—	—	—	—	—	—	—
Twisters or throwers, male.....	1930	6	722	.385	—	( <sup>1</sup> )	—	—	—	1	3	8	12	17	47	4	2	2	1	1	—	—	—	—	—	—	—
	1932	7	513	.294	—	—	—	—	—	2	10	52	32	3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1	—	—	—	—	—	—	—	—	—
Twisters or throwers, female.....	1930	12	1,834	.319	—	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5	15	30	15	13	4	15	1	( <sup>1</sup> )	—	—	—	—	—	—	—	—	—
	1932	10	752	.269	( <sup>1</sup> )	( <sup>1</sup> )	1	5	7	19	34	31	2	( <sup>1</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—
Reelers and lacers, female.....	1930	20	4,636	.351	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2	6	13	6	12	20	17	16	5	1	1	( <sup>1</sup> )	—	—	—				
	1932	16	3,276	.293	( <sup>1</sup> )	( <sup>1</sup> )	1	( <sup>1</sup> )	( <sup>1</sup> )	2	18	35	32	5	5	1	( <sup>1</sup> )	( <sup>1</sup> )	—	—	—	—	—	—	—	—	—
Winders, cone, quill, cop, or bobbin, male.....	1930	10	1,013	.354	—	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5	4	1	12	23	29	13	6	2	1	2	2	1	—	—	—	—	—	—
	1932	8	969	.305	—	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1	1	8	39	35	14	2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	—	—	—	—	—	—	—	—	—
Winders, cone, quill, cop, or bobbin, female.....	1930	17	2,402	.332	—	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1	4	8	32	16	14	11	6	5	2	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	—	—	—	—	—
	1932	15	2,496	.269	( <sup>1</sup> )	( <sup>1</sup> )	1	1	3	17	53	21	3	( <sup>1</sup> )	—	—	—	—	—	—	—	—	—	—	—	—	—
Skein washers and bleachers, male.....	1930	19	865	.488	—	—	—	—	—	—	—	—	2	9	13	28	19	15	5	6	4	—	—	—	—	—	—
	1932	16	694	.406	—	—	—	—	—	1	3	2	12	25	39	4	13	1	( <sup>1</sup> )	—	—	—	—	—	—	—	—
Skein inspectors, male.....	1932	2	32	.300	—	—	—	—	—	—	—	—	19	56	16	3	3	—	—	—	—	—	—	—	—	—	—
Skein inspectors, female.....	1930	20	2,269	.342	—	—	—	—	—	4	10	11	20	27	19	5	2	1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	—	—	—	—	—	—
	1932	16	1,670	.300	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	—	1	6	30	55	4	2	( <sup>1</sup> )	—	—	—	—	—	—	—	—	—	—	—
Truckers and handlers, male.....	1930	21	1,409	.369	—	—	( <sup>1</sup> )	( <sup>1</sup> )	1	1	3	25	17	19	9	14	4	2	3	2	2	—	—	—	—	—	—
	1932	19	1,042	.301	—	—	—	—	1	2	15	35	21	21	4	( <sup>1</sup> )	( <sup>1</sup> )	—	—	—	—	—	—	—	—	—	—
Truckers and handlers, female.....	1930	7	112	.244	—	—	—	—	—	3	79	17	2	4	1	1	4	—	—	—	—	—	—	—	—	—	—
	1932	5	21	.266	—	—	—	—	—	—	—	—	19	67	10	5	—	—	—	—	—	—	—	—	—	—	—
Laborers, male.....	1930	21	837	.394	—	—	—	—	—	( <sup>1</sup> )	( <sup>1</sup> )	24	15	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	1932	19	833	.307	—	—	—	—	2	—	—	20	21	33	4	—	—	—	—	—	—	—	—	—	—	—	—
Laborers, female.....	1932	2	6	.232	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

<sup>1</sup> Less than 1 percent.

## Full-Time Hours per Week and per Day, 1930 and 1932

Full-time hours per day and per week of an establishment or a wage earner are the regular or customary hours of operation as established by a regular time of beginning and quitting work on each day of the week. Such hours do not include any of the regular time off duty for meals nor any overtime, nor are they reduced by the exclusion of any of the time lost by any wage earner on account of slack or short-time work, sickness or other disability, or for any other cause.

Table 4 shows average full-time hours per week and a percentage distribution by full-time hours per week of the wage earners in each of 10 representative occupations in the industry for 1930 and 1932. In computing the figures in this table for each occupation the full-time hours of each wage earner found in the occupation were used, even though the wage earner actually worked more or less than his regular full time during the week covered by the report in 1930 and in 1932. For a like distribution, by number, of the wage earners in each of these occupations in each district for 1932, see table C, page 24.

TABLE 4.—Average and classified full-time hours per week in 10 specified occupations, 1930 and 1932, by sex

Occupation and sex	Year	Number of establishments	Number of wage earners	Average full-time hours per week	Percent of employees whose full-time hours per week were—													
					40, under 45	45	Over 45, under 48	48	Over 48, under 50	50	Over 50, under 54	54	55	56	Over 56, under 60	60	Over 60, under 66	66, under 72
Chemical-building workers, male.....	1930	21	1,782	53.6			2	28				1	1	68				(1)
	1932	20	1,854	50.0	7			61		(1)	(1)	(1)		30		(1)		(1)
Spinners, male.....	1930	21	4,359	49.9			(1)	76				(1)	(1)	23				
	1932	20	3,437	49.5	7			68						24				1
Spoolers, male.....	1932	4	74	46.7	45			49					7					
Spoolers, female.....	1930	3	523	45.6	36	29	35											
	1932	6	685	46.2	44			49				2	4					
Twisters or throwers, male.....	1930	6	722	49.7				63	11				26					
	1932	7	513	47.7	23			71								4		
Twisters or throwers, female.....	1930	12	1,834	49.7	15	10		12	17	5	16	14	11					
	1932	10	752	50.8			5	27		38		3	26					
Reelers and lacers, female.....	1930	20	4,636	49.5		11	13	12	23	18	12	2	5		4			
	1932	16	3,276	46.9	23		14	50	3	2	4	1	2					
Winders, cone, quill, cop, or bobbin, male.....	1930	10	1,013	50.0				57	12		4	18	8					
	1932	8	969	45.0	39			61					(1)					
Winders, cone, quill, cop, or bobbin, female.....	1930	17	2,402	48.2	25	6	7	33	11	1		4	7		6			
	1932	15	2,496	47.8	10	4		70	(1)	15		1	(1)					
Skein washers and bleachers, male.....	1930	19	865	51.5				23	16	23	3	3	1	31				
	1932	16	694	47.9	15			78			1	(1)			2	2	(1)	2
Skein inspectors, male.....	1932	2	32	48.0				100										
Skein inspectors, female.....	1930	20	2,269	48.9		21	11	13	20	13	10	2	4	5				
	1932	16	1,670	46.8	24		13	55	2	3		1	2					
Truckers and handlers, male.....	1930	21	1,409	50.5	1	6	3	25	10	20	6	7	5	16	1			
	1932	19	1,042	48.3	17		7	53		4		(1)	4	10	4	(1)	(1)	
Truckers and handlers, female.....	1930	7	112	51.4		2	4		5	13	71	5						
	1932	5	21	49.8				52	10		33	5						
Laborers, male.....	1930	21	837	51.6			11	15	19	13	2	13	5	19	3			
	1932	19	833	48.7	7		11	62	1	1		9	2	3	4		(1)	
Laborers, female.....	1932	2	6	48.0				100										

<sup>1</sup> Less than 1 percent.

Table 5 shows for the males and for the females of each of the 20 plants covered in the 1932 study of the industry the prevailing regular or customary full-time hours per week and per day, Monday to Friday, Saturday, and Sunday.

There was 1 shift per day in 11 of the 20 plants, 2 shifts per day in 9 plants, and 3 shifts per day in 8 plants.

The table is divided into three sections, the first showing the regular hours for the dayworkers on shift 1 for 20 plants; the second the hours for those on shift 2 for 9 plants; and the third the hours for those on shift 3 for 8 plants.

In some plants it was found that the hours of part of the wage earners were not the same as those for a majority of the wage earners in such plants. In each case the prevailing hours for each sex are shown in the table as the full-time hours of such wage earners.

TABLE 5.—Number of establishments in each district with specified full-time hours per week and per day, 1932, by sex

Sex	Full-time hours per week	Full-time hours per day			Number of establishments			
		Monday to Friday	Saturday	Sunday	District 1	District 2	District 3	Total
<b>Shift 1</b>								
Male and female.....	40	8					1	1
Male.....	42	6	6	6	1			1
Female.....	48	8¾	4¼					
Male and female.....	44	8	4				1	1
Male.....	48	8	8			1		1
Female.....	47½	8½	4½			1		1
Male and female.....	48	8	8			1	5	6
Do.....	48	8¾	4¼		1			1
Male.....	1 48	8	8	8	1			1
Female.....	48	8¾	4¼					
Male.....	48	8	8			1		1
Female.....	49½	9	4½					1
Male.....	1 48	8	8	8	1			1
Female.....	50	9½	4½					
Male.....	56	8	8	8		1		1
Female.....	45	7½	7½			1		1
Male.....	56	8	8	8			1	1
Female.....	48	8	8	8				1
Male.....	56	8	8	8		1		1
Female.....	50	9	5					1
Male.....	56	8	8	8	1			1
Female.....	54	9¾	5¼					
Male.....	56	8	8	8			1	1
Female.....	55	10	5					1
Male.....	56	8	8	8			1	1
Female.....	52	9½	4½					1
Total.....					4	6	10	20
<b>Shift 2</b>								
Male.....	40	8					1	1
Do.....	42	6	6	6	1			1
Do.....	1 48	8	8	8	2			2
Do.....	56	8	8	8	1	3		4
Female.....	50	10					1	1
Total.....					4	3	2	9
<b>Shift 3</b>								
Male.....	40	8					1	1
Do.....	42	6	6	6	1			1
Do.....	1 48	8	8	8	2			2
Do.....	56	8	8	8	1	2		3
Do.....	64	8	8	16		1		1
Total.....					4	3	1	8

<sup>1</sup> Each person off duty 1 day each week.

<sup>2</sup> Monday 0, Tuesday 16.

## Changes in Full-Time Hours Since July 1, 1930

Only 5 of the 20 plants included in this report made changes in regular full-time hours per week between July 1, 1930, and the period of the 1932 study. In each case the hours were reduced.

Table 6 shows the hours per week and per day before and after the change for each of the five plants.

TABLE 6.—Hours per week and per day of establishments before and after change between July 1, 1930, and period of 1932 study

Number of establishments	Wage earners affected	Hours before change				Hours after change			
		Per week	Monday to Friday	Saturday	Sunday	Per week	Monday to Friday	Saturday	Sunday
1	Spinners, doffers, spinning-bath men, and spinneret cleaners.....	56	8	8	8	42	6	6	6
1	Approximately 60 percent.....	56½	9½	9	0	48	8	8	0
1	Yard laborers.....	60	10	10	0	54	9	9	0
1	(Those on shifts 2 and 3.....)	48	8	8	0	40	8	0	0
1	(Those on shift 1.....)	44	8	4	0	42	6	6	6
1	(Those in spinning department.....)	56	8	8	8	42	6	6	6
1	(Those in winding department.....)	45	8	5	0	45	7½	7½	0

## Changes in Wage Rates Since July 1, 1930

Changes in wage rates between July 1, 1930, and the period of the 1932 study of the industry were reported by 18 of the 20 plants covered in this report. All changes reported were decreases..

Table 7 shows that the rates of all wage earners in 6 plants were reduced once during the period; of all in 11 were reduced twice; and in 1 plant the rates of reelers and lacers were reduced 28 percent in 1932, of spinners and spinneret cleaners were reduced 25 percent in 1931, of doffers and spinning-bath men were reduced 20 percent in 1931, and of chemical-building workers, washers and bleachers, cake washers, skein driers, packers, and inspectors were reduced 20 percent in 1932.

The rates of all wage earners of the establishment on line 5 were reduced 15 percent in 1931 and 25 per cent in 1932; of that on line 9 were reduced 10 and 15 percent in 1932; and of each of the four establishments on line 10 were reduced 10 percent in 1931 and in 1932.

TABLE 7.—Changes in wage rates in 18 establishments between July 1, 1930, and period of 1932 study

Number of establishments	Number of establishments changes in—			Wage earners affected	Percent of decrease
	1930	1931	1932		
1	1			All	15
3			3	do.	10
1			1	do.	8
1			1	do.	7½
1		1	1	do.	15 and 25
1		1	1	do.	12 and 12½
1		1	1	do.	10 and 20
1		1	1	do.	10 and 15
1		1	1	do.	10 and 15
4		4	4	do.	10 and 10
1		1	1	do.	8 and 10
1			1	do.	8 and 9
1		1	1	Spinners and spinneret cleaners	25
				Dofters and spinning-bath men	20
				Reelers and lacers	28
				Chemical-building workers, washers and bleachers, cake washers, skein dryers, packers, and inspectors.	20

### Overtime and Sunday and Holiday Work, 1932

Overtime is any time worked in excess of the regular full time per day or per week, regardless of the rate of pay for such work. Work on Sunday and holidays is overtime or extra work only when the working schedule does not provide for work on those days.

Overtime and extra work on Sunday and holidays was reported as having been worked in each of the 20 plants during the representative pay period in 1932 for which hours and earnings are shown in this report. Overtime in 16 establishments was paid for at the same rate per hour and in 4 establishments at a higher rate per hour than for regular working time. Extra work on Sunday and holidays was paid for at the same rate as for regular working time in 15 establishments and at a higher rate in 5 establishments. The higher rates paid were as follows:

One establishment paid 1½ times the regular rate for each hour of overtime or extra work on Sunday and holidays to any wage earner who worked any overtime or extra work; two paid 1¼ times the regular rate for each hour of overtime or extra work to any wage earner in the mechanical department or to any laborer in any other department; one paid 1½ times the regular rate for each hour of overtime or extra work to any mechanic in the maintenance department, and to any shift worker for each hour of extra work on Sunday; and one paid 1½ times the regular rate for each hour of work on holidays to any wage earner.

### Bonus Systems

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

At the time of the 1932 study bonus systems were in operation in 9 of the 20 plants covered in this report. There was no provision for additional earnings through bonus systems in the other plants.

A description of the bonus systems of 2 plants cannot be given in table 8 which shows for each of 7 plants the basis of the bonus, the wage earners eligible to bonus payments, and the amount of and conditions necessary to get the bonus.

TABLE 8.—*Bonus systems in operation in 7 establishments in 1932*

Number of establishments	Bonus based on—	Wage earners entitled to bonus	Bonus earned when—	Amount of or percent of earnings paid as bonus
1	Efficiency.....	Spinners.....	Loss of goods produced through inferior quality is less than 1 percent.	1 cent per hour when loss is $\frac{1}{4}$ of 1 percent, and 1 cent per hour for each $\frac{1}{4}$ percent increase in efficiency to a maximum of 5 cents per hour when there is no loss.
1	.....do.....	.....do.....	Efficiency is 89.5 percent or more.	4 hours at basic rate of pay in each half month in which efficiency is 89.5 and under 95.5 percent and 7 hours at such rate in each half month in which efficiency is 95.5 percent or more.
1	Production....	Reelers, winders, and coners.	Production in specified unit of time is more than set standard.	All production above set standard at basic rate.
1	.....do.....	Winders and examiners.	.....do.....	3 cents per hour.
2	Time saving..	All.....	Unit of work is completed in less than time allotted.	The hours saved multiplied by the percent of the hourly rate obtained by deducting 50 percent of the time allotted to a unit from the percent of the standard that was taken to complete the unit.
1	Time saving and attendance.	Doffers, spinning-bath men, and spinneret cleaners.	Average doffing time is 4.5 minutes or less, and employee works at least 22 hours per week.	5 percent of earnings in week when average doffing time is 2.5 minutes or less; 4 percent when 2.6 to 3 minutes; 3 percent when 3.1 to 3.5 minutes; 2 percent when 3.6 to 4 minutes; and 1 percent when 4.1 to 4.5 minutes.

### Index Numbers of Employment and of Pay Rolls, 1929 to 1932

Index numbers of employment and of pay rolls in rayon and other synthetic yarn manufacturing are presented in table 9 for each of the months and years from January 1929 to December 1932. These numbers (1929 average = 100) are as published by the Bureau of Labor Statistics in monthly reports on Trend of Employment in the United States.

During the period covered in the table employment was highest (105.2) in August 1931 and lowest (63.7) in July and August 1932, and pay rolls were highest (109.3) in March 1930 and lowest (40.9) in July 1932. Indexes of employment, by years, dropped from 100 in 1929 to 99 in 1930 and 1931, and to 88.7 in 1932, while those of pay rolls fell each year from 100 in 1929 to 63.7 in 1932.

TABLE 9.—Index numbers of employment and of pay rolls January 1929 to December 1932, by month and year

[Average for 1929=100]

Month	Employment				Pay roll			
	1929	1930	1931	1932	1929	1930	1931	1932
January.....	97.5	101.8	88.4	102.9	96.1	105.9	81.4	73.9
February.....	99.0	101.4	89.5	102.4	97.9	108.6	81.6	78.5
March.....	101.6	103.2	94.0	98.7	96.6	109.3	86.7	76.6
April.....	101.9	102.7	96.5	95.3	96.4	103.6	86.3	72.2
May.....	92.6	100.7	99.2	89.2	92.1	104.8	91.4	63.6
June.....	95.0	99.8	101.6	64.1	97.3	97.2	90.9	45.0
July.....	98.9	99.5	103.4	63.7	98.9	100.5	90.5	40.9
August.....	101.2	97.5	105.2	63.7	103.5	88.7	91.3	42.8
September.....	100.8	97.1	102.9	89.9	101.8	87.7	85.7	63.7
October.....	103.7	95.3	103.5	95.9	106.1	88.7	87.9	68.0
November.....	104.6	95.5	101.8	98.1	109.2	88.1	76.4	69.1
December.....	102.8	94.0	101.5	100.9	103.9	83.5	76.3	70.4
Average.....	100.0	99.0	99.0	88.7	100.0	97.2	85.5	63.7

### Importance and Growth of the Industry

The manufacture of rayon and other synthetic yarns is a comparatively new industry. Prior to 1925 the industry was considered of minor importance and was grouped with "Chemicals, not elsewhere classified" by the United States Census of Manufactures. Since 1925, the increasing popularity of the various kinds of wearing apparel and of miscellaneous articles in which the yarn is used has resulted in tremendous growth in production and in number of wage earners employed in the industry. The yarn is one of the important materials used by many mills engaged in making cloth, underwear, hosiery, and other articles.

The production of rayon and other synthetic yarns in the United States in 1927 by different processes was as follows: Viscose, approximately 82 percent; nitrocellulose or chardonnet, 10 percent; cellulose acetate, 4 percent; cuprammonium, 2 percent; and others, 2 percent.

Table 10 shows the trend of the industry, all processes combined, by years from 1925 to 1931, in number of establishments and wage earners, amount paid in wages, cost of materials, value of products, value added by manufacture, and number of pounds of yarn produced. These figures are as reported by the United States Census of Manufactures. Averages per wage earner for each of these items for each year and the percent wages formed of the value added by manufacture in each year, as computed by the Bureau of Labor Statistics, are also shown in the table.

Average annual wages decreased from \$1,201 in 1925 to \$1,088 in 1927, increased to \$1,143 in 1929, and then decreased to \$987 in 1931.

The percent that wages formed of the value added was 33 in 1925, 34 in 1927, 38 in 1929, and 40 in 1931.

TABLE 10.—*Number of establishments and wage earners, amount of wages, cost of materials, value of products, value added by manufacture, and quantity of yarn manufactured, 1925 to 1931*

Year	From United States Census of Manufactures						
	Number of establishments	Average number of wage earners	Amount paid in wages	Cost of materials	Value of products	Value added by manufacture	Quantity of yarn manufactured (pounds)
1925.....	14	19, 128	\$22, 975, 605	\$18, 477, 965	\$85, 060, 962	\$69, 582, 997	51, 902, 491
1927.....	19	26, 341	28, 649, 441	25, 747, 792	109, 888, 336	84, 140, 544	75, 555, 439
1929.....	29	39, 106	44, 697, 129	33, 334, 753	149, 546, 107	116, 211, 354	116, 632, 378
1931.....	32	38, 732	38, 220, 094	36, 206, 576	132, 783, 559	96, 576, 983	150, 509, 654

  

Year	Computed by Bureau of Labor Statistics					
	Average per wage earner of—					Percent wages are of value added
	Annual wages	Cost of material	Value of products	Value added by manufacture	Annual production of yarn (pounds)	
1925.....	\$1, 201	\$966	\$4, 604	\$3, 638	2, 713	33
1927.....	1, 088	977	4, 172	3, 194	2, 868	34
1929.....	1, 143	852	3, 824	2, 972	2, 882	38
1931.....	957	935	3, 428	2, 493	3, 886	40

### Scope and Method

The 1932 wage data used in compiling this bulletin are for wage earners of 20 representative establishments located in 13 States. Data for executives, office clerks, employees engaged in the construction of buildings, power-house employees, and those whose duties were mainly supervisory were not included.

The 1931 United States Census of Manufactures reports 38,732 wage earners in the industry in the United States in that year. Based on the 1931 census the 25,326 wage earners covered in the 1932 study is 65 percent of the total in the industry.

Average days on which wage earners worked in 1 week were computed by dividing the total days on which all wage earners in the occupation worked in the week by the total number of wage earners in the occupation. In computing this average, each day or part of a day on which a wage earner did any work was counted as a day.

Average full-time hours per week were computed by dividing the total full-time hours per week of all wage earners in the occupation by the number of wage earners in the occupation in the week. The full-time hours per week of each wage earner were used in arriving at this average, even though some wage earners worked more or less than full time on account of entering or leaving the service during the week, overtime, sickness, disability, or some other cause.

Average hours actually worked in 1 week were computed by dividing the total hours actually worked in the week by the total number of wage earners in the occupation in the week.

The percent of full time was obtained by dividing the average hours actually worked in 1 week by the average full-time hours per week.

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

Average earnings per hour for the wage earners in each occupation were computed by dividing the total earnings of all wage earners in the occupation in 1 week by the total hours worked in that week by such wage earners.

Average full-time earnings per week for wage earners in each occupation were computed by multiplying the average earnings per hour of all wage earners in the occupation by their average full-time hours per week, assuming that the earnings for full time would be at the same average rate per hour as during the hours actually worked in 1 week.

Average actual earnings per week were computed by dividing the total amount earned by all wage earners in an occupation in 1 week by the number of wage earners in the occupation.

### Occupations in the Industry

The occupations for which data are presented in this bulletin are arranged below as nearly as possible in the order of manufacture. All wage earners in occupations other than those listed below are included in the group of "other employees."

A description of each of the principal occupations found in the study of the industry appears in Bulletin No. 546 (pp. 14-16).

Chemical-building workers.	Spoolers.
Spinning-bath men.	Twisters or throwers.
Spinners.	Reelers and lacers.
Machine cleaners.	Winders, cone, quill, cop, or bobbin.
Spinneret cleaners.	Skein washers or bleachers.
Filter cleaners.	Skein driers.
Bobbin washers.	Skein inspectors.
Cake washers.	Cone inspectors.
Bobbin driers.	Wrappers and packers.
Cake driers.	Truckers and handlers.
Cake inspectors.	Laborers.
Pump testers.	

### General Tables

In addition to the text tables already presented, five general tables, which show the data for 1932 in detail, are given as follows:

TABLE A.—Average days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and percent of full time worked, 1932, by occupation, sex, and district.

The presentation in this table in parallel columns of "average full-time hours per week" and "average hours actually worked in 1 week" is for the purpose of ready comparison of the hours that would have been worked in the week had all wage earners in the occupation worked no more nor less than full time, with the average hours that were actually worked in the week. One shows the full-time hours under normal conditions while the other shows the average hours that were actually worked in the week by all the wage earners in the occupation in each district and in all districts combined.

Near the end of the table (p. 20) it is seen that the 14,869 males in the 20 plants worked on an average of 5.8 days in 1 week; that their

average full-time hours in 1 week were 48.6; that they actually worked an average of 47.9 hours in the week, or 98.6 percent of full time; that they earned an average of 40.8 cents per hour and \$19.51 per week; and that had they worked full time of 48.6 hours at the same average per hour as was earned in the average hours actually worked in the week, they would have earned \$19.83 in the week.

The 10,457 females in the 20 plants worked on an average of 5.6 days in 1 week. Their full-time hours per week were 47.6 and they worked an average of 44.3 hours in the week, or 93.1 percent of full time. They earned an average of 28.3 cents per hour and \$12.55 per week. Had they worked the average full time of 47.6 hours per week at the same average rate as was earned in the 44.3 hours they would have earned an average of \$13.47 per week.

The 25,326 males and females in the 20 plants worked on an average of 5.7 days in 1 week. Their average full-time hours per week were 48.2, and in the week they worked an average of 46.4 hours or 96.3 percent of full time. They earned an average of 35.9 cents per hour and \$16.64 per week. Had they worked their average full time of 48.2 hours per week at the same average rate per hour as was earned in the 46.4 hours they would have earned an average of \$17.30 per week.

TABLE B.—Average and classified earnings per hour in 10 specified occupations, 1932, by sex and district.

TABLE C.—Average and classified full-time hours per week in 10 specified occupations, 1932, by sex and district.

TABLE D.—Average and classified hours actually worked in 1 week in 10 specified occupations, 1932, by sex and district.

TABLE E.—Average and classified earnings in 1 week in 10 specified occupations, 1932, by sex and district.

TABLE A.—Average days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and percent of full time worked, 1932, by occupation, sex, and district

[District 1: Connecticut, Massachusetts, New Hampshire, and Rhode Island; District 2: Delaware, New York, Ohio, and Pennsylvania; District 3: Georgia, Maryland, North Carolina, Tennessee, and Virginia]

Occupation, sex, and district	Number of establishments	Number of wage earners	Average days on which wage earners worked in 1 week	Average full-time hours per week	Average hours actually worked in 1 week	Percent of full time actually worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in 1 week
<b>Chemical-building workers, male:</b>									
District 1.....	4	84	6.5	51.7	53.2	102.9	\$0.408	\$21.09	\$21.73
District 2.....	6	362	6.1	51.7	50.2	97.1	.504	26.06	25.32
District 3.....	10	1,408	6.1	49.4	50.8	102.8	.380	18.77	19.30
Total.....	20	1,854	6.1	50.0	50.8	101.6	.406	20.30	20.58
<b>Spinning-bath men, male:</b>									
District 1.....	3	8	6.6	46.0	47.4	103.0	.430	19.78	20.38
District 2.....	5	32	6.0	51.5	50.3	97.7	.562	28.94	28.27
District 3.....	10	226	6.4	51.7	51.9	100.4	.379	19.59	19.68
Total.....	18	266	6.4	51.5	51.6	100.2	.402	20.70	20.73

TABLE A.—Average days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and percent of full time worked, 1932, by occupation, sex, and district—Continued

Occupation, sex, and district	Number of establishments	Number of wage earners	Average days on which wage earners worked in 1 week	Average full-time hours per week	Average hours actually worked in 1 week	Percent of full time actually worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in 1 week
<b>Spinners, male:</b>									
District 1.....	4	143	6.1	47.0	45.4	96.6	\$0.422	\$19.83	\$19.17
District 2.....	6	815	5.9	50.6	48.6	96.0	.551	27.88	26.79
District 3.....	10	2,479	6.0	49.3	50.1	101.6	.428	21.10	21.47
Total.....	20	3,437	6.0	49.5	49.6	100.2	.457	22.62	22.64
<b>Machine cleaners, male:</b>									
District 1.....	1	3	5.7	48.0	45.3	94.4	.392	18.82	17.76
District 2.....	5	18	6.1	54.4	49.1	90.3	.429	23.34	21.05
District 3.....	9	121	5.8	46.2	45.4	98.3	.339	15.66	15.41
Total.....	15	142	5.9	47.2	45.9	97.2	.352	16.61	16.17
<b>Spinneret cleaners, male:</b>									
District 1.....	4	13	6.3	47.4	47.8	100.8	.433	20.52	20.72
District 2.....	4	36	6.1	52.0	50.0	96.2	.499	25.95	24.97
District 3.....	6	58	6.2	48.6	50.4	103.7	.338	16.43	17.05
Total.....	14	107	6.1	49.6	49.9	100.6	.404	20.04	20.16
<b>Spinneret cleaners, female:</b>									
District 1.....	1	2	6.0	48.0	48.0	100.0	.297	14.25	14.25
District 2.....	1	4	6.5	48.0	50.6	105.4	.264	12.67	13.35
District 3.....	5	46	5.8	48.5	48.7	100.4	.268	13.00	13.03
Total.....	7	52	5.8	48.4	48.8	100.8	.268	12.97	13.10
<b>Filter cleaners, male:</b>									
District 1.....	1	2	6.0	48.0	48.0	100.0	.324	15.55	15.55
District 2.....	5	29	5.7	48.2	46.6	96.7	.457	22.03	21.28
District 3.....	7	70	6.1	48.6	52.3	107.6	.320	15.55	16.75
Total.....	13	101	6.0	48.5	50.6	104.3	.356	17.27	18.03
<b>Filter cleaners, female:</b>									
District 1.....	2	4	6.0	52.5	52.5	100.0	.229	12.02	12.02
District 3.....	2	14	6.0	48.0	48.7	101.5	.277	13.30	13.50
Total.....	4	18	6.0	49.0	49.6	101.2	.266	13.03	13.17
<b>Bobbin washers, male:</b>									
District 1.....	2	36	6.2	50.7	49.2	97.0	.404	20.48	19.89
District 2.....	1	24	6.8	56.0	54.6	97.5	.477	26.71	26.05
District 3.....	6	182	5.8	50.9	47.3	92.9	.301	15.32	14.22
Total.....	9	242	6.0	51.4	48.3	94.0	.336	17.27	16.24
<b>Cake washers, male:</b>									
District 1.....	1	3	5.7	53.0	59.8	112.8	.300	15.90	17.92
District 2.....	3	100	5.4	56.0	44.8	80.0	.397	22.23	17.78
District 3.....	1	57	5.0	40.0	40.0	100.0	.342	13.68	13.68
Total.....	5	160	5.3	50.2	43.4	86.5	.376	18.88	16.32
<b>Bobbin driers, male:</b>									
District 1.....	1	3	7.0	56.0	56.0	100.0	.324	18.13	18.13
District 2.....	1	6	6.8	56.0	54.7	97.7	.480	26.88	26.27
District 3.....	6	69	5.9	49.3	49.8	101.0	.316	15.58	15.73
Total.....	8	78	6.0	50.1	50.4	100.6	.330	16.53	16.63
<b>Cake driers, male:</b>									
District 2.....	1	2	5.0	56.0	40.0	71.4	.480	26.88	19.20
District 3.....	1	8	5.3	40.0	42.0	105.0	.360	14.40	15.12
Total.....	2	10	5.2	43.2	41.6	96.3	.383	16.55	15.94

TABLE A.—Average days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and percent of full time worked, 1932, by occupation, sex, and district—Continued

Occupation, sex, and district	Number of establishments	Number of wage earners	Average days on which wage earners worked in 1 week	Average full-time hours per week	Average hours actually worked in 1 week	Percent of full time actually worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in 1 week
<b>Cake inspectors, male:</b>									
District 2.....	1	15	5.2	54.9	41.2	75.0	\$0.554	\$30.41	\$22.84
District 3.....	1	17	5.5	40.0	44.3	110.8	.420	16.80	18.59
Total.....	2	32	5.4	47.0	42.8	91.1	.481	22.61	20.58
<b>Pump testers, male:</b>									
District 1.....	4	6	6.5	50.0	52.2	104.4	.443	22.15	23.14
District 2.....	5	18	5.9	51.1	48.4	94.7	.504	25.75	24.39
District 3.....	9	75	5.9	46.6	47.4	101.7	.365	17.01	17.29
Total.....	18	99	6.0	47.6	47.8	100.4	.396	18.85	18.93
<b>Spoolers, male:</b>									
District 3.....	4	74	5.6	46.7	44.4	95.1	.300	14.01	13.31
<b>Spoolers, female:</b>									
District 1.....	1	16	5.4	54.0	37.5	69.4	.255	13.77	9.55
District 2.....	1	281	5.3	43.0	34.0	79.1	.274	11.78	9.30
District 3.....	4	388	5.5	48.3	39.9	82.6	.287	13.86	11.47
Total.....	6	685	5.4	46.2	37.4	81.0	.281	12.98	10.54
<b>Twisters or throwers, male:</b>									
District 1.....	1	21	4.6	60.0	54.8	91.3	.276	16.56	15.14
District 3.....	6	492	5.7	47.2	46.0	97.5	.295	13.92	13.57
Total.....	7	513	5.6	47.7	46.4	97.3	.294	14.02	13.63
<b>Twisters or throwers, female:</b>									
District 1.....	2	70	5.9	51.3	53.6	104.5	.271	13.90	14.51
District 2.....	2	207	5.7	49.6	48.9	98.6	.316	15.67	15.47
District 3.....	6	475	5.6	51.2	47.7	93.2	.248	12.70	11.83
Total.....	10	752	5.6	50.8	48.6	95.7	.269	13.67	13.08
<b>Reelers and lacers, female:</b>									
District 1.....	4	209	5.5	49.7	48.0	96.6	.266	13.22	12.90
District 2.....	3	581	5.6	48.1	47.6	99.0	.359	17.27	17.12
District 3.....	9	2,486	5.6	46.4	44.0	94.8	.278	12.90	12.25
Total.....	16	3,276	5.6	46.9	44.9	95.7	.293	13.74	13.15
<b>Winders, cone, quill, cop, or bobbin, male:</b>									
District 2.....	1	69	4.2	48.0	31.4	65.4	.358	17.18	11.24
District 3.....	7	900	5.2	44.8	41.6	92.9	.302	13.53	12.56
Total.....	8	969	5.2	45.0	40.9	90.9	.305	13.73	12.46
<b>Winders, cone, quill, cop, or bobbin, female:</b>									
District 1.....	2	37	4.6	52.4	42.1	80.3	.261	13.68	11.00
District 2.....	6	646	5.2	46.8	41.1	87.8	.289	13.53	11.86
District 3.....	7	1,813	5.7	48.0	44.3	92.3	.263	12.62	11.63
Total.....	15	2,496	5.5	47.8	43.4	90.8	.269	12.86	11.68
<b>Skein washers and bleachers, male:</b>									
District 1.....	4	38	5.5	54.2	54.6	100.7	.368	19.95	20.07
District 2.....	3	105	5.9	49.7	52.8	106.2	.497	24.70	26.25
District 3.....	9	551	5.9	47.1	47.0	99.8	.390	18.37	18.33
Total.....	16	694	5.8	47.9	48.3	100.8	.406	19.45	19.62
<b>Skein driers, male:</b>									
District 1.....	1	2	6.0	48.0	48.0	100.0	.308	14.77	14.77
District 2.....	2	15	3.7	47.8	43.6	91.2	.512	24.47	22.34
District 3.....	5	222	5.9	48.5	47.5	97.9	.372	18.04	17.66
Total.....	8	239	5.7	48.4	47.2	97.5	.380	18.39	17.93

TABLE A.—Average days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and percent of full time worked, 1932, by occupation, sex, and district—Continued

Occupation, sex, and district	Number of establishments	Number of wage earners	Average days on which wage earners worked in 1 week	Average full-time hours per week	Average hours actually worked in 1 week	Percent of full time actually worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in 1 week
<b>Skein driers, female:</b>									
District 1.....	3	14	5.9	49.0	50.0	102.0	\$0.277	\$13.57	\$13.84
District 2.....	2	28	5.6	49.1	50.9	103.7	.312	15.32	15.89
District 3.....	2	20	5.7	50.5	48.3	95.6	.246	12.42	11.88
Total.....	7	62	5.7	49.5	49.9	100.8	.283	14.01	14.13
<b>Skein inspectors, male:</b>									
District 3.....	2	32	5.0	48.0	36.5	76.0	.300	14.40	10.94
<b>Skein inspectors, female:</b>									
District 1.....	4	127	5.4	49.7	46.6	93.8	.252	12.52	11.71
District 2.....	3	252	5.7	48.0	46.0	95.8	.317	15.22	14.57
District 3.....	9	1,291	5.4	46.3	43.0	92.9	.302	13.98	13.01
Total.....	16	1,670	5.4	46.8	43.8	93.6	.300	14.04	13.15
<b>Cone inspectors, male:</b>									
District 2.....	1	3	6.7	56.0	56.0	100.0	.567	31.75	31.75
District 3.....	2	20	6.0	49.1	49.6	101.0	.361	17.73	17.91
Total.....	3	23	6.1	50.0	50.4	100.8	.391	19.55	19.71
<b>Cone inspectors, female:</b>									
District 1.....	1	2	6.0	54.0	54.0	100.0	.207	11.19	11.19
District 2.....	4	29	5.5	49.0	45.9	93.7	.376	18.42	17.24
District 3.....	9	590	5.7	48.0	45.0	93.8	.262	12.58	11.81
Total.....	14	621	5.7	48.1	45.1	93.8	.268	12.89	12.06
<b>Wrappers and packers, male:</b>									
District 1.....	2	5	5.6	48.0	50.7	105.6	.297	14.26	15.07
District 2.....	5	41	5.7	48.0	45.8	95.4	.518	24.86	23.75
District 3.....	5	73	5.4	46.9	43.8	93.4	.310	14.54	13.57
Total.....	12	119	5.5	47.4	44.8	94.5	.383	18.15	17.14
<b>Wrappers and packers, female:</b>									
District 1.....	4	18	5.8	50.0	50.1	100.2	.264	13.20	13.24
District 2.....	4	54	5.4	48.2	41.3	85.7	.327	15.76	13.51
District 3.....	8	301	5.8	48.7	47.0	96.5	.260	12.66	12.21
Total.....	16	373	5.7	48.7	46.3	95.1	.269	13.10	12.45
<b>Truckers and handlers, male:</b>									
District 1.....	4	31	6.2	50.5	55.6	110.1	.291	14.70	16.18
District 2.....	5	141	5.5	49.3	46.8	94.9	.326	16.07	15.26
District 3.....	10	870	6.0	48.0	49.5	103.1	.297	14.26	14.71
Total.....	19	1,042	5.9	48.3	49.3	102.1	.301	14.54	14.83
<b>Truckers and handlers, female:</b>									
District 1.....	2	5	6.0	49.2	47.2	95.9	.263	12.94	12.43
District 2.....	1	2	6.0	49.5	47.4	95.8	.220	10.89	10.42
District 3.....	2	14	6.0	50.0	49.3	98.6	.273	13.65	13.48
Total.....	5	21	6.0	49.8	48.6	97.6	.266	13.25	12.94
<b>Laborers, male:</b>									
District 1.....	3	23	6.1	50.9	51.2	100.6	.362	18.43	18.53
District 2.....	6	189	5.5	49.6	45.5	91.7	.400	19.84	18.22
District 3.....	10	621	5.7	48.3	46.7	96.7	.277	13.38	12.91
Total.....	19	833	5.7	48.7	46.5	95.5	.307	14.95	14.27
<b>Laborers, female:</b>									
District 1.....	1	2	6.0	48.0	49.9	104.0	.264	12.67	13.18
District 3.....	1	4	6.0	48.0	47.9	99.8	.215	10.32	10.30
Total.....	2	6	6.0	48.0	48.6	101.3	.232	11.14	11.26

TABLE A.—Average days on which wage earners worked, average full-time and actual hours and earnings per week, average earnings per hour, and percent of full time worked, 1932, by occupation, sex, and district—Continued

Occupation, sex, and district	Number of establishments	Number of wage earners	Average days on which wage earners worked in 1 week	Average full-time hours per week	Average hours actually worked in 1 week	Percent of full time actually worked	Average earnings per hour	Average full-time earnings per week	Average actual earnings in 1 week
<b>Other employees, male:</b>									
District 1.....	4	123	6.4	50.7	55.7	109.9	\$0.447	\$22.66	\$24.91
District 2.....	6	1,077	5.6	49.4	45.7	92.5	.521	25.74	23.79
District 3.....	10	2,693	5.7	47.6	46.9	98.5	.451	21.47	21.15
Total.....	20	3,893	5.7	48.2	46.8	97.1	.470	22.65	22.02
<b>Other employees, female:</b>									
District 1.....	3	30	5.9	50.0	52.8	105.6	.281	14.05	14.81
District 2.....	4	115	5.4	48.9	44.0	90.0	.333	16.28	14.64
District 3.....	9	280	5.7	47.7	46.0	96.4	.282	13.45	13.00
Total.....	16	425	5.6	48.2	45.9	95.2	.295	14.22	13.57
<b>All employees, male:</b>									
District 1.....	4	544	6.1	50.3	51.4	102.2	.401	20.17	20.63
District 2.....	6	3,097	5.7	50.3	47.1	93.6	.503	25.30	23.68
District 3.....	10	11,228	5.8	48.1	47.9	99.6	.382	18.37	18.31
Total.....	20	14,869	5.8	48.6	47.9	98.6	.408	19.83	19.51
<b>All employees, female:</b>									
District 1.....	4	536	5.5	50.3	48.1	95.6	.264	13.28	12.69
District 2.....	6	2,199	5.5	47.3	43.6	92.2	.319	15.09	13.88
District 3.....	10	7,722	5.6	47.4	44.3	93.5	.275	13.04	12.17
Total.....	20	10,457	5.6	47.6	44.3	93.1	.283	13.47	12.55
<b>All employees, male and female:</b>									
District 1.....	4	1,080	5.8	50.3	49.8	99.0	.335	16.85	16.69
District 2.....	6	5,296	5.6	49.1	45.6	92.9	.430	21.11	19.61
District 3.....	10	18,950	5.7	47.8	46.4	97.1	.341	16.30	15.81
Total.....	20	25,326	5.7	48.2	46.4	96.3	.359	17.30	16.64

**TABLE B.—Average and classified earnings per hour in 10 specified occupations, 1932, by sex and district**

[District 1: Connecticut, Massachusetts, New Hampshire, and Rhode Island; District 2: Delaware, New York, Ohio, and Pennsylvania; District 3: Georgia, Maryland, North Carolina, Tennessee, and Virginia]

Occupation, sex, and district	Number of establishments	Number of wage earners	Average earnings per hour	Number of wage earners whose earnings per hour were—															
				8, 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 35 cts.	35, under 40 cts.	40, under 45 cts.	45, under 50 cts.	50, under 55 cts.	55, under 60 cts.	60, under 65 cts.	65, under 70 cts.
<b>Chemical-building workers, male:</b>																			
District 1.....	4	84	\$.408							6	9	32	18	5	7	2			
District 2.....	6	362	.504								27	13	51	70	64	55	76	6	
District 3.....	10	1,408	.380					3		48	86	225	365	389	265	15	12		
Total.....	20	1,854	.406					3		48	92	261	410	458	340	84	74	78	6
<b>Spinners, male:</b>																			
District 1.....	4	143	.422								2	49	63	24	5				
District 2.....	6	815	.551							4	21	64	26	56	186	100	353	4	1
District 3.....	10	2,479	.428							12	218	197	622	148	732	528	19	2	1
Total.....	20	3,437	.457							12	222	220	735	237	812	719	119	355	5
<b>Spoolers, male:</b>																			
District 3.....	4	74	.300						4	5	20	35	8	1	1				
<b>Spoolers, female:</b>																			
District 1.....	1	16	.255							5	9	2							
District 2.....	1	281	.274				1	5	8	70	130	48	18	1					
District 3.....	4	388	.287				14	1	16	29	140	183	5						
Total.....	6	685	.281				15	6	24	104	279	233	23	1					
<b>Twisters or throwers, male:</b>																			
District 1.....	1	21	.276							14	1	3	3						
District 3.....	6	492	.295						8	37	266	160	13	1	2	2	3		
Total.....	7	513	.294						8	51	267	163	16	1	2	2	3		

TABLE B.—Average and classified earnings per hour in 10 specified occupations, 1932, by sex and district—Continued

Occupation, sex, and district	Number of establishments	Number of wage earners	Average earnings per hour	Number of wage earners whose earnings per hour were—																
				8, 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 35 cts.	35, under 40 cts.	40, under 45 cts.	45, under 50 cts.	50, under 55 cts.	55, under 60 cts.	60, under 65 cts.	65, under 70 cts.	70, under 75 cts.
<b>Twisters or throwers, female:</b>																				
District 1.....	2	70	\$.271				1	1	1	21	33	8	4	1						
District 2.....	2	207	.316				1	1	3	3	16	177	6							
District 3.....	6	475	.248		1		8	36	52	121	204	49	4							
Total.....	10	752	.269		1		10	38	56	145	253	234	14	1						
<b>Reelers and lacers, female:</b>																				
District 1.....	4	209	.266						2	81	70	53	2	1						
District 2.....	3	581	.359				1	2	37	113	87	134	168	38	1					
District 3.....	9	2,486	.278		5	12	24	8	15	54	404	970	13	6		1			1	
Total.....	16	3,276	.293		5	12	24	9	15	58	582	1,153	1,053	149	175	38	1	1	1	
<b>Winders, cone, quill, cop, or bobbin, male:</b>																				
District 2.....	1	69	.358									26	32	10	1					
District 3.....	7	900	.302				1	2	9	77	381	315	102	9	1	2	1			
Total.....	8	969	.305				1	2	9	77	381	341	134	19	2	2	1			
<b>Winders, cone, quill, cop, or bobbin, female:</b>																				
District 1.....	2	37	.261							10	26	1								
District 2.....	6	646	.289		2	5	4	6	1	131	214	234	45	4						
District 3.....	7	1,813	.263		1	2	21	26	66	286	1,069	290	29	3						
Total.....	15	2,496	.269		3	7	25	32	67	427	1,329	525	74	7						
<b>Skein washers and bleachers, male:</b>																				
District 1.....	4	38	.368								1	12	15	5	2	2	1			
District 2.....	3	105	.497									11	2	1	6	84	1			
District 3.....	9	551	.390						4	22	15	59	168	267	17	8	6	2		
Total.....	16	694	.406						4	22	16	82	175	273	25	87	8	2		
<b>Skein inspectors, male:</b>																				
District 3.....	2	32	.300							6	18	5	1	1			1			

<b>Skein inspectors, female:</b>														
District 1	4	127	.252					1		43	77	5	1	
District 2	3	252	.317				1		4	17	50	176	3	1
District 3	9	1,291	.302	1	1		3	7	20	48	378	733	64	31
<b>Total</b>	<b>16</b>	<b>1,670</b>	<b>.300</b>	<b>1</b>	<b>1</b>		<b>4</b>	<b>8</b>	<b>24</b>	<b>108</b>	<b>505</b>	<b>914</b>	<b>68</b>	<b>32</b>
<b>Truckers and handlers, male:</b>														
District 1	4	31	.291							9	9	9	2	3
District 2	5	141	.326							5	39	44	22	29
District 3	10	870	.297					6	19	144	320	171	190	13
<b>Total</b>	<b>19</b>	<b>1,042</b>	<b>.301</b>					<b>6</b>	<b>19</b>	<b>158</b>	<b>368</b>	<b>224</b>	<b>214</b>	<b>44</b>
<b>Truckers and handlers, female:</b>														
District 1	2	5	.263							1	4			
District 2	1	2	.220							2				
District 3	2	14	.273							1	10	2	1	
<b>Total</b>	<b>5</b>	<b>21</b>	<b>.266</b>							<b>4</b>	<b>14</b>	<b>2</b>	<b>1</b>	
<b>Laborers, male:</b>														
District 1	3	23	.362							1	4		10	8
District 2	6	189	.400							2	13	9	13	143
District 3	10	621	.277						13	167	157	262	14	6
<b>Total</b>	<b>19</b>	<b>833</b>	<b>.307</b>						<b>13</b>	<b>170</b>	<b>174</b>	<b>271</b>	<b>37</b>	<b>157</b>
<b>Laborers, female:</b>														
District 1	1	2	.264								2			
District 3	1	4	.215							4				
<b>Total</b>	<b>2</b>	<b>6</b>	<b>.232</b>							<b>4</b>	<b>2</b>			

17 cents.

TABLE C.—Average and classified full-time hours per week in 10 specified occupations, 1932, by sex and district

[District 1: Connecticut, Massachusetts, New Hampshire, and Rhode Island; District 2: Delaware, New York, Ohio, and Pennsylvania; District 3: Georgia, Maryland, North Carolina, Tennessee, and Virginia]

Occupation, sex, and district	Number of establishments	Number of wage earners	Average full-time hours per week	Number of wage earners whose full-time hours per week were—															
				40, under 44	44	45	Over 45, under 48	48	Over 48, under 50	50	Over 50, under 54	54	55	56	Over 56, under 60	60	Over 60, under 66	66 to 72	
<b>Chemical-building workers, male:</b>																			
District 1.....	4	84	51.7					46		2		4		30					2
District 2.....	6	362	51.7					195			8	3		145			8	3	
District 3.....	10	1,408	49.4	136				883						389					
<b>Total.....</b>	<b>20</b>	<b>1,854</b>	<b>50.0</b>	<b>136</b>				<b>1,124</b>		<b>2</b>	<b>8</b>	<b>7</b>		<b>564</b>			<b>8</b>	<b>3</b>	<b>2</b>
<b>Spinners, male:</b>																			
District 1.....	4	143	47.0	40				91						12					
District 2.....	6	815	50.6	27				538						215				35	
District 3.....	10	2,479	49.3	183				1,710						586					
<b>Total.....</b>	<b>20</b>	<b>3,437</b>	<b>49.5</b>	<b>250</b>				<b>2,339</b>						<b>813</b>				<b>35</b>	
<b>Spoolers, male:</b>																			
District 3.....	4	74	46.7		33			36						5					
<b>Spoolers, female:</b>																			
District 1.....	1	16	54.0									16							
District 2.....	1	281	43.0	281															
District 3.....	4	388	48.3		23			337						28					
<b>Total.....</b>	<b>6</b>	<b>685</b>	<b>46.2</b>	<b>281</b>	<b>23</b>			<b>337</b>				<b>16</b>		<b>28</b>					
<b>Twisters or throwers, male:</b>																			
District 1.....	1	21	60.0															21	
District 3.....	6	492	47.2		120			362						10					
<b>Total.....</b>	<b>7</b>	<b>513</b>	<b>47.7</b>		<b>120</b>			<b>362</b>						<b>10</b>				<b>21</b>	
<b>Twisters or throwers, female:</b>																			
District 1.....	2	70	51.3							48		22							
District 2.....	2	207	49.6				37			170									
District 3.....	6	475	51.2					205		71				199					
<b>Total.....</b>	<b>10</b>	<b>752</b>	<b>50.8</b>				<b>37</b>	<b>205</b>		<b>289</b>		<b>22</b>		<b>199</b>					

<b>Reelers and lacers, female:</b>																
District 1.....	4	209	49.7					95		81		33				
District 2.....	3	581	48.1				474	9	98							
District 3.....	9	2,486	46.4	486	262			1,548			115		75			
<b>Total.....</b>	<b>16</b>	<b>3,276</b>	<b>46.9</b>	<b>486</b>	<b>262</b>		<b>474</b>	<b>1,652</b>	<b>98</b>	<b>81</b>	<b>115</b>	<b>33</b>	<b>75</b>			
<b>Winders, cone, quill, cop, or bobbin, male:</b>																
District 2.....	1	69	48.0					69								
District 3.....	7	900	44.8	344	36			519					1			
<b>Total.....</b>	<b>8</b>	<b>969</b>	<b>45.0</b>	<b>344</b>	<b>36</b>			<b>588</b>					<b>1</b>			
<b>Winders, cone, quill, cop, or bobbin, female:</b>																
District 1.....	2	37	52.4							15		22				
District 2.....	6	646	46.8	243		15		139	4	245						
District 3.....	7	1,813	48.0			96		1,599		109			9			
<b>Total.....</b>	<b>15</b>	<b>2,496</b>	<b>47.8</b>	<b>243</b>		<b>111</b>		<b>1,738</b>	<b>4</b>	<b>369</b>		<b>22</b>	<b>9</b>			
<b>Skein washers and bleachers, male:</b>																
District 1.....	4	38	54.2					18			5	2			7 3 3	
District 2.....	3	105	49.7					95							10	
District 3.....	9	551	47.1	70	31			430						13	7	
<b>Total.....</b>	<b>16</b>	<b>694</b>	<b>47.9</b>	<b>70</b>	<b>31</b>			<b>543</b>			<b>5</b>	<b>2</b>		<b>13</b>	<b>14</b>	<b>3 13</b>
<b>Skein inspectors, male:</b>																
District 3.....	2	32	48.0					32								
<b>Skein inspectors, female:</b>																
District 1.....	4	127	49.7					65		38		24				
District 2.....	3	252	48.0				217	4	31							
District 3.....	9	1,291	46.3	227	174			844		8			38			
<b>Total.....</b>	<b>16</b>	<b>1,670</b>	<b>46.8</b>	<b>227</b>	<b>174</b>		<b>217</b>	<b>913</b>	<b>31</b>	<b>46</b>		<b>24</b>	<b>38</b>			
<b>Truckers and handlers, male:</b>																
District 1.....	4	31	50.5					12		12		5			2	
District 2.....	5	141	49.3				57	38		31			13		2	
District 3.....	10	870	48.0	173			18	501				39	96	43		
<b>Total.....</b>	<b>19</b>	<b>1,042</b>	<b>48.3</b>	<b>173</b>			<b>75</b>	<b>551</b>		<b>43</b>		<b>5</b>	<b>39</b>	<b>109</b>	<b>43 2 2</b>	
<b>Truckers and handlers, female:</b>																
District 1.....	2	5	49.2					4				1				
District 2.....	1	2	49.5						2							
District 3.....	2	14	50.0					7			7					
<b>Total.....</b>	<b>5</b>	<b>21</b>	<b>49.8</b>					<b>11</b>	<b>2</b>		<b>7</b>	<b>1</b>				

TABLE C.—Average and classified full-time hours per week in 10 specified occupations, 1932, by sex and district—Continued

Occupation, sex, and district	Number of establishments	Number of wage earners	Average full-time hours per week	Number of wage earners whose full-time hours per week were—													
				40, under 44	44	45	Over 45, under 48	48	Over 48, under 50	50	Over 50, under 54	54	55	56	Over 56, under 60	60	Over 60, under 66
<b>Laborers, male:</b>																	
District 1.....	3	23	50.9					8		9				6			
District 2.....	6	189	49.6				64	77	5				23	19			1
District 3.....	10	621	48.3	61			26	435					52	14		33	
<b>Total.....</b>	<b>19</b>	<b>833</b>	<b>48.7</b>	<b>61</b>			<b>90</b>	<b>520</b>	<b>5</b>	<b>9</b>			<b>75</b>	<b>14</b>	<b>25</b>	<b>33</b>	<b>1</b>
<b>Laborers, female:</b>																	
District 1.....	1	2	48.0					2									
District 3.....	1	4	48.0					4									
<b>Total.....</b>	<b>2</b>	<b>6</b>	<b>48.0</b>					<b>6</b>									





<b>Skein inspectors, female:</b>																									
District 1	4	127	46.6	1	3				1	3	1	1	18		10	5	1	2	27	20	34				
District 2	3	252	46.0	1		1	1	1	1	1	2	3	9	32	18	174	5	2	2		2				
District 3	9	1,291	43.0	1	3	4	22	12	19	7	25	324	29	22	340	2	338	9	9	1	132	1			
<b>Total</b>	<b>16</b>	<b>1,670</b>	<b>43.8</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>23</b>	<b>14</b>	<b>23</b>	<b>9</b>	<b>28</b>	<b>345</b>	<b>38</b>	<b>64</b>	<b>363</b>	<b>177</b>	<b>345</b>	<b>38</b>	<b>21</b>	<b>168</b>	<b>1</b>				
<b>Truckers and handlers, male:</b>																									
District 1	4	31	55.6													5	4	1	7	1	2		2	8	1
District 2	5	141	46.8	1		1	1	2		1	7	5	6	17	26	12	21	4		17	15			3	1
District 3	10	870	49.5			4	2		1	5	3	8	12	112	67	238	165	14	3	102	13	97	20	2	2
<b>Total</b>	<b>19</b>	<b>1,042</b>	<b>49.3</b>	<b>1</b>		<b>5</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>6</b>	<b>10</b>	<b>13</b>	<b>18</b>	<b>129</b>	<b>93</b>	<b>255</b>	<b>190</b>	<b>19</b>	<b>10</b>	<b>120</b>	<b>30</b>	<b>99</b>	<b>31</b>	<b>4</b>	<b>3</b>
<b>Truckers and handlers, female:</b>																									
District 1	2	5	47.2													4				1					
District 2	1	2	47.4													2									
District 3	2	14	49.3														7	5	2						
<b>Total</b>	<b>5</b>	<b>21</b>	<b>48.6</b>													<b>6</b>	<b>7</b>	<b>5</b>	<b>2</b>	<b>1</b>					
<b>Laborers, male:</b>																									
District 1	3	23	51.2				1					1			1	2	2	5	1	7	1				1
District 2	6	189	45.5			2	1		1	2	3	18	58	18	36	3	21	5	9	2	1	8			1
District 3	10	621	46.7	5	5	4	5	1	3	7	3	17	16	99	171	66	50	21	7	90	10	14	6	9	12
<b>Total</b>	<b>19</b>	<b>833</b>	<b>46.5</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>3</b>	<b>8</b>	<b>5</b>	<b>21</b>	<b>34</b>	<b>158</b>	<b>190</b>	<b>104</b>	<b>55</b>	<b>47</b>	<b>13</b>	<b>106</b>	<b>13</b>	<b>15</b>	<b>14</b>	<b>9</b>	<b>14</b>
<b>Laborers, female:</b>																									
District 1	1	2	49.9													1					1				
District 3	1	4	47.9													2	2								
<b>Total</b>	<b>2</b>	<b>6</b>	<b>48.6</b>													<b>3</b>	<b>2</b>				<b>1</b>				



<b>Reelers and lacers, female:</b>																
District 1.....	4	209	12.80	6	7	11	3	29	113	32	11	3	1			
District 2.....	3	581	17.12	2	2	5	17	40	96	50	72	109	114	63	6	
District 3.....	9	2,486	12.25	35	54	110	272	459	773	708	66	2	2			
<b>Total.....</b>	<b>16</b>	<b>3,276</b>	<b>13.15</b>	<b>48</b>	<b>56</b>	<b>126</b>	<b>292</b>	<b>528</b>	<b>982</b>	<b>790</b>	<b>149</b>	<b>119</b>	<b>116</b>	<b>64</b>	<b>6</b>	
<b>Winders, cone, quill, cop, or bobbin, male:</b>																
District 2.....	1	69	11.24	6		1	9	23	19	6	5					
District 3.....	7	900	12.56	19	12	21	73	165	438	131	31	4	2	1	2	1
<b>Total.....</b>	<b>8</b>	<b>969</b>	<b>12.46</b>	<b>25</b>	<b>12</b>	<b>22</b>	<b>82</b>	<b>188</b>	<b>457</b>	<b>137</b>	<b>36</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>
<b>Winders, cone, quill, cop, or bobbin, female:</b>																
District 1.....	2	37	11.00		4	9	2	2	10	8	2					
District 2.....	6	646	11.86	34	3	31	85	159	152	107	63	12				
District 3.....	7	1,813	11.63	13	31	128	152	313	1,065	91	18	2				
<b>Total.....</b>	<b>15</b>	<b>2,496</b>	<b>11.68</b>	<b>47</b>	<b>38</b>	<b>168</b>	<b>239</b>	<b>474</b>	<b>1,227</b>	<b>206</b>	<b>83</b>	<b>14</b>				
<b>Skein washers and bleachers, male:</b>																
District 1.....	4	38	20.07	1		1	1	1	6	6	5	3	2	2	3	2
District 2.....	3	105	26.25						6	1	5	10	17	29	27	7
District 3.....	9	551	18.33	1	2	1	7	18	22	52	142	115	136	40	9	1
<b>Total.....</b>	<b>16</b>	<b>694</b>	<b>19.62</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>19</b>	<b>23</b>	<b>58</b>	<b>154</b>	<b>121</b>	<b>144</b>	<b>52</b>	<b>28</b>	<b>33</b>
<b>Skein inspectors, male:</b>																
District 3.....	2	32	10.94			2	21	5	1				1	1		1
<b>Skein inspectors, female:</b>																
District 1.....	4	127	11.71	4	3	3	20	38	43	9	3	4				
District 2.....	3	252	14.57	1	3	2	11	24	35	37	134	5				
District 3.....	9	1,291	13.01	29	21	61	180	185	258	417	44	32	38	21	5	
<b>Total.....</b>	<b>16</b>	<b>1,670</b>	<b>13.15</b>	<b>34</b>	<b>27</b>	<b>66</b>	<b>211</b>	<b>247</b>	<b>336</b>	<b>463</b>	<b>181</b>	<b>41</b>	<b>38</b>	<b>21</b>	<b>5</b>	
<b>Truckers and handlers, male:</b>																
District 1.....	4	31	16.18					4	1	11	7	5	2	1		
District 2.....	5	141	15.26	2	2	4	5	11	25	39	13	23	9	7		1
District 3.....	10	870	14.71	5	2	7	35	119	259	95	177	153	9	6	1	2
<b>Total.....</b>	<b>19</b>	<b>1,042</b>	<b>14.83</b>	<b>7</b>	<b>4</b>	<b>11</b>	<b>40</b>	<b>134</b>	<b>285</b>	<b>145</b>	<b>197</b>	<b>181</b>	<b>20</b>	<b>14</b>	<b>1</b>	<b>2</b>
<b>Truckers and handlers, female:</b>																
District 1.....	2	5	12.43					1	4							
District 2.....	1	2	10.42					2								
District 3.....	2	14	13.48					1	9	3	1					
<b>Total.....</b>	<b>5</b>	<b>21</b>	<b>12.94</b>					<b>4</b>	<b>13</b>	<b>3</b>	<b>1</b>					

TABLE E.—Average and classified actual earnings in 1 week in 10 specified occupations, 1932, by sex and district—Continued

Occupation, sex, and district	Number of establishments	Number of wage earners	Average actual earnings in 1 week	Number of wage earners whose earnings in 1 week 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
<b>Laborers, male:</b>																								
District 1.....	3	23	\$18.53		1			1	3	2		1	13	1					1					
District 2.....	6	190	18.22		2	1	1	2	12	19	63	29	39	10	6	4			1				1	
District 3.....	10	621	12.91	16	8	24	65	109	71	231	72	15	4	5						1				
<b>Total.....</b>	<b>19</b>	<b>834</b>	<b>14.27</b>	<b>16</b>	<b>11</b>	<b>25</b>	<b>66</b>	<b>112</b>	<b>86</b>	<b>252</b>	<b>135</b>	<b>45</b>	<b>56</b>	<b>16</b>	<b>6</b>	<b>4</b>			<b>1</b>	<b>2</b>				<b>1</b>
<b>Laborers, female:</b>																								
District 1.....	1	2	13.18					1		1														
District 3.....	1	4	10.30					4																
<b>Total.....</b>	<b>2</b>	<b>6</b>	<b>11.26</b>					<b>5</b>		<b>1</b>														