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WAGES AND HOURS OF LABOR SERIES

**WAGES AND HOURS OF LABOR IN
THE HOSIERY AND UNDERWEAR
INDUSTRIES, 1907 TO 1928**



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WAGES AND HOURS OF LABOR IN THE HOSIERY AND UNDERWEAR INDUSTRIES, 1907 TO 1928

INTRODUCTION AND SUMMARY

This bulletin presents the results of the 1928 study by the Bureau of Labor Statistics of wages and hours of labor of wage earners in the hosiery and underwear industries in the United States. The figures in the report are for 28,445 wage earners in 108 representative hosiery mills in 19 States and for 15,056 wage earners in 84 representative underwear mills in 15 States.

Summaries of average full-time hours per week, earnings per hour, and of average full-time earnings per week are presented in Table 1 for the employees in all the hosiery and underwear mills combined for each of the years from 1910 to 1928 in which the bureau has made studies of these industries. The reason for the combination in this table is that segregation of wage figures for each industry was not made by the bureau prior to 1926. Index numbers of these averages with the 1913 average taken as the base, or 100 per cent, are also shown in the table.

Between 1926 and 1928 there was no change in average full-time hours per week for the two industries combined, the average for each year being 51.3 per week. Average earnings per hour increased from 44.3 cents in 1926 to 44.4 cents in 1928 and average full-time earnings per week increased from \$22.73 in 1926 to \$22.78 in 1928.

The averages in the tables for the specified years from 1910 to 1919 are for the employees in the *selected occupations* only in the two industries and are therefore directly comparable one year with another. Those for the specified years from 1914 to 1928 are for the employees in *all occupations* in the industries and are also comparable one year with another. Comparison, however, should not be made between the averages for employees in *all occupations* and those for employees in *selected occupations*.

The index numbers in the table are for the purpose of furnishing continuous and comparable data, one year with another, over the entire period from 1910 to 1928. The index for any specified year from 1910 to 1919 is the percentage that the average for the year is of the average for 1913. The index for any specified year from 1922 to 1928 was computed by increasing or decreasing the 1914 index for the employees in the selected occupations in proportion to the increase or decrease in the average for each year as compared with the average for all employees in 1914.

Average full-time hours per week decreased from an index of 104.2 in 1910 to 91.3 in 1924, or 12.4 per cent; and increased to 92.4 in 1926 and 1928, an increase of 1.2 per cent over the 1924 index. The decrease between 1913 and 1928 was 7.6 per cent.

Average earnings per hour increased from an index of 82 in 1910 to 267.2 in 1928 or 225.9 per cent, increased 113 per cent between 1913 and 1922, and 167.2 per cent between 1913 and 1928.

Average full-time earnings per week increased from an index of 85.2 in 1910 to 246.1 in 1928 or 188.8 per cent, as compared with an increase of 225.9 per cent in average earnings per hour. Average full-time earnings per week increased 95 per cent between 1913 and 1922 and 146.1 per cent between 1913 and 1928. Full-time earnings per week did not increase in the same proportion as average earnings per hour, because of the change from year to year in average full-time hours per week.

TABLE 1.—Average hours and earnings with index numbers, 1910 to 1928

| Year | Number of establishments | Number of wage earners | Average full-time hours per week | Average earnings per hour | Average full-time earnings per week | Index numbers (1913=100) of— | | |
|------------------------------|--------------------------|------------------------|----------------------------------|---------------------------|-------------------------------------|------------------------------|-------------------|-----------------------------|
| | | | | | | Full-time hours per week | Earnings per hour | Full-time earnings per week |
| Selected occupations: | | | | | | | | |
| 1910..... | 15 | 13, 132 | 57.6 | \$0.141 | \$8.10 | 104.2 | 82.0 | 85.2 |
| 1911..... | 62 | 13, 885 | 57.4 | .144 | 8.28 | 103.8 | 83.7 | 87.1 |
| 1912..... | 62 | 16, 249 | 56.4 | .153 | 8.62 | 102.0 | 89.0 | 90.6 |
| 1913..... | 69 | 18, 198 | 55.3 | .172 | 9.51 | 100.0 | 100.0 | 100.0 |
| 1914 ¹ | 82 | 19, 396 | 54.6 | .178 | 9.70 | 98.7 | 103.5 | 102.0 |
| 1919..... | 51 | 16, 073 | 52.1 | .315 | 16.44 | 94.2 | 183.1 | 172.9 |
| All occupations: | | | | | | | | |
| 1914..... | 82 | 29, 631 | 54.8 | .172 | 9.44 | ----- | ----- | ----- |
| 1922..... | 107 | 32, 178 | 51.0 | .354 | 18.05 | 91.9 | 213.0 | 195.0 |
| 1924..... | 143 | 38, 549 | 50.7 | .409 | 20.74 | 91.3 | 246.1 | 224.1 |
| 1926..... | 190 | 45, 594 | 51.3 | .443 | 22.73 | 92.4 | 266.6 | 245.6 |
| 1928..... | 192 | 43, 501 | 51.3 | .444 | 22.78 | 92.4 | 267.2 | 246.1 |

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 averages from 1910 to 1919 for selected occupations only are comparable one year with another, as are those for all occupations one year with another from 1914 to 1928.

AVERAGE HOURS AND EARNINGS, 1907 TO 1928, BY OCCUPATION

The data in Table 2 are average full-time hours per week, earnings per hour, full-time earnings per week, and index numbers of these averages with the 1913 average as the base or 100 per cent. The averages and index numbers are for the wage earners in each of 18 occupations in the hosiery industry and for 16 in the underwear industry for each of the specified years from 1907 to 1928 for which such data are available. Each of these occupations is of sufficient importance in number of wage earners to warrant separate tabulation. Averages are also shown in the table for the employees in the group tabulated as "other employees" for each of the specified years from 1914 to 1928. This group includes all employees in all other occupations other than those tabulated separately as an occupation, the number of employees in no occupation in the group being sufficient to warrant separate tabulation. The number of wage earners in the group of "other employees" in the hosiery industry in 1928 was 20 per cent of the total included in the study of the industry in that year and 22 per cent of the total in the underwear industry.

Data for "other employees" were not collected prior to 1914 nor in 1919.

Prior to 1926 the averages for the employees in each of the occupations that are common to both hosiery and underwear were for the combined data for each such occupation in the two industries. The 1926 and 1928 averages for each such occupation are shown separately. For example, the 1907 to 1924 averages in the table for "menders" are for "menders, hosiery and underwear" combined, and those for 1926 and 1928 are for "menders, hosiery" and for "menders, underwear." The averages for occupations in hosiery and underwear, except "pressers" and "press hands," are presented under hosiery and precede those for underwear. All averages for pressers and press hands are shown under underwear. They are selected occupations in that industry.

Average full-time hours per week for males in the hosiery industry in 1928 ranged by occupation from 50.1 for knitters, full-fashioned, footers, to 55.8 for automatic knitters. Those for females ranged from 49.8 for full-fashioned seamers to 53.5 for mock seamers. Prior to 1928 mock seamers were included with the group designated "other employees." In 1928 the number of females in the occupation was sufficient to warrant tabulation as an occupation.

Average earnings per hour for males in the hosiery industry in 1928 ranged by occupation from 31.7 cents for transfer knitters to \$1.546 for knitters, full-fashioned, footers. Those for females ranged from 29.4 cents for transfer knitters to 56.1 cents for full-fashioned toppers.

Average full-time earnings per week for males in the hosiery industry in 1928 ranged by occupation from \$17.05 for transfer knitters to \$77.45 for knitters, full-fashioned, footers; and for females ranged from \$15.61 for transfer knitters to \$27.99 for full-fashioned toppers.

In the underwear industry average full-time hours per week for males in 1928 ranged from 49.7 for cuff and ankle knitters to 52.8 for winders, and for females ranged from 48.9 for hemmers to 50.7 for button sewers.

Average earnings per hour for males in underwear in 1928 ranged from 36.5 cents for winders to 72.8 cents for machine fixers and for females ranged from 27.8 cents for inspectors to 46.9 cents for cuff and ankle knitters.

Average full-time earnings per week for males in underwear in 1928 ranged from \$19.27 for winders to \$36.47 for machine fixers, and for females ranged from \$13.93 for inspectors to \$23.31 for cuff and ankle knitters.

TABLE 2.—Average hours and earnings with index numbers, 1907 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 |
| Boarders, hosiery: | | | | | | | | | |
| Male..... | 1907 | 8 | 203 | 58.4 | \$0.218 | \$12.73 | 104.7 | 99.5 | 104.8 |
| | 1908 | 8 | 210 | 58.1 | .211 | 12.26 | 104.1 | 96.3 | 100.9 |
| | 1909 | 8 | 220 | 58.2 | .204 | 11.87 | 104.3 | 93.2 | 97.7 |
| | 1910 | 33 | 808 | 57.0 | .193 | 10.97 | 102.2 | 88.1 | 90.3 |
| | 1911 | 32 | 869 | 56.9 | .189 | 10.74 | 102.0 | 86.3 | 88.4 |
| | 1912 | 41 | 1,153 | 55.8 | .215 | 11.92 | 100.0 | 98.2 | 98.1 |
| | 1913 | 41 | 1,172 | 55.8 | .219 | 12.15 | 100.0 | 100.0 | 100.0 |
| | 1914 | 46 | 1,206 | 55.3 | .230 | 12.65 | 99.1 | 105.0 | 104.1 |
| | 1919 | 29 | 760 | 52.5 | .450 | 23.63 | 94.1 | 205.5 | 194.5 |
| | 1922 | 41 | 933 | 51.3 | .462 | 23.70 | 91.9 | 211.0 | 195.1 |
| | 1924 | 49 | 1,118 | 51.9 | .531 | 27.56 | 93.0 | 242.5 | 226.8 |
| | 1926 | 82 | 1,598 | 53.4 | .481 | 25.69 | 95.7 | 219.6 | 211.4 |
| | 1928 | 81 | 1,433 | 53.8 | .521 | 28.03 | 96.4 | 237.9 | 230.7 |
| Female..... | 1919 | 8 | 75 | 52.0 | .316 | 16.43 | ----- | ----- | ----- |
| | 1922 | 20 | 264 | 50.2 | .376 | 18.88 | ----- | ----- | ----- |
| | 1924 | 26 | 313 | 50.4 | .442 | 22.28 | ----- | ----- | ----- |
| | 1926 | 32 | 483 | 50.0 | .479 | 23.95 | ----- | ----- | ----- |
| | 1928 | 38 | 516 | 50.0 | .486 | 24.30 | ----- | ----- | ----- |
| Folders, hosiery and underwear: | | | | | | | | | |
| Female..... | 1924 | 118 | 1,116 | 50.8 | .346 | 17.58 | ----- | ----- | ----- |
| Folders, hosiery: | | | | | | | | | |
| Female..... | 1926 | 82 | 803 | 52.2 | .343 | 17.90 | ----- | ----- | ----- |
| | 1928 | 76 | 595 | 52.4 | .337 | 17.66 | ----- | ----- | ----- |
| Inspectors and folders, hosiery and underwear: | | | | | | | | | |
| Female..... | 1910 | 47 | 1,241 | 57.7 | .126 | 7.25 | 104.7 | 86.3 | 90.3 |
| | 1911 | 52 | 1,311 | 57.6 | .126 | 7.26 | 104.5 | 86.3 | 90.4 |
| | 1912 | 56 | 1,411 | 56.7 | .130 | 7.37 | 102.9 | 89.0 | 91.8 |
| | 1913 | 59 | 1,513 | 55.1 | .146 | 8.03 | 100.0 | 100.0 | 100.0 |
| | 1914 | 75 | 1,977 | 54.9 | .149 | 8.15 | 99.6 | 102.1 | 101.5 |
| | 1919 | 50 | 2,690 | 52.5 | .266 | 13.97 | 95.3 | 182.2 | 174.0 |
| | 1922 | 103 | 3,017 | 50.5 | .302 | 15.25 | 97.7 | 206.8 | 189.9 |
| Inspectors, hosiery and underwear: | | | | | | | | | |
| Female..... | 1924 | 134 | 2,459 | 50.4 | .322 | 16.23 | ----- | ----- | ----- |
| Inspectors, hosiery: | | | | | | | | | |
| Female..... | 1926 | 100 | 1,988 | 52.6 | .292 | 15.36 | ----- | ----- | ----- |
| | 1928 | 106 | 1,897 | 52.3 | .313 | 16.37 | ----- | ----- | ----- |
| Knitters, automatic, hosiery: | | | | | | | | | |
| Male..... | 1910 | 12 | 235 | 57.6 | .175 | 10.03 | 102.9 | 90.7 | 92.9 |
| | 1911 | 12 | 220 | 57.4 | .175 | 10.04 | 102.5 | 90.7 | 93.0 |
| | 1912 | 16 | 324 | 55.7 | .188 | 10.45 | 99.5 | 97.4 | 96.8 |
| | 1913 | 16 | 307 | 56.0 | .193 | 10.80 | 100.0 | 100.0 | 100.0 |
| | 1914 | 17 | 313 | 55.4 | .198 | 10.98 | 98.9 | 102.6 | 101.7 |
| | 1922 | 18 | 437 | 51.5 | .373 | 19.21 | 92.0 | 193.3 | 177.9 |
| | 1924 | 24 | 382 | 53.2 | .421 | 22.40 | 95.0 | 218.1 | 207.4 |
| | 1926 | 36 | 564 | 54.4 | .448 | 24.37 | 97.1 | 232.1 | 225.6 |
| | 1928 | 42 | 640 | 55.8 | .414 | 23.10 | 99.6 | 214.5 | 213.9 |
| Female..... | 1910 | 12 | 277 | 56.2 | .154 | 8.62 | 101.6 | 93.9 | 95.2 |
| | 1911 | 12 | 260 | 56.2 | .156 | 8.70 | 101.6 | 93.1 | 95.1 |
| | 1912 | 12 | 328 | 55.2 | .189 | 10.43 | 99.8 | 115.2 | 115.2 |
| | 1913 | 12 | 282 | 55.3 | .164 | 9.05 | 100.0 | 100.0 | 100.0 |
| | 1914 | 12 | 125 | 54.2 | .179 | 9.67 | 98.0 | 109.1 | 108.9 |
| | 1922 | 20 | 231 | 51.0 | .347 | 17.70 | 92.2 | 211.6 | 195.6 |
| | 1924 | 17 | 191 | 50.2 | .413 | 20.73 | 93.8 | 251.8 | 229.1 |
| | 1926 | 24 | 272 | 51.6 | .399 | 20.59 | 93.3 | 243.3 | 227.5 |
| | 1928 | 30 | 291 | 52.1 | .359 | 18.70 | 94.2 | 218.9 | 206.6 |
| Knitters, full-fashioned, hosiery: | | | | | | | | | |
| Male..... | 1913 | 9 | 465 | 55.1 | .390 | 21.49 | 100.0 | 100.0 | 100.0 |
| | 1914 | 9 | 507 | 54.8 | .407 | 22.31 | 99.5 | 104.4 | 103.8 |
| | 1919 | 5 | 377 | 51.7 | .640 | 33.09 | 93.8 | 164.1 | 154.0 |
| | 1922 | 15 | 1,196 | 52.9 | .861 | 45.55 | 96.0 | 220.8 | 212.0 |
| | 1924 | 26 | 1,728 | 50.5 | 1.099 | 55.50 | 91.7 | 281.8 | 258.3 |
| Knitters, full-fashioned, footers, hosiery: | | | | | | | | | |
| Male..... | 1926 | 27 | 696 | 51.0 | 1.511 | 77.06 | ----- | ----- | ----- |
| | 1928 | 39 | 749 | 50.1 | 1.546 | 77.45 | ----- | ----- | ----- |
| Knitters, full-fashioned, leggers, hosiery: | | | | | | | | | |
| Male..... | 1926 | 28 | 1,897 | 51.1 | 1.286 | 65.71 | ----- | ----- | ----- |
| | 1928 | 39 | 1,911 | 50.7 | 1.329 | 67.38 | ----- | ----- | ----- |
| Knitters' helpers, full-fashioned, hosiery: | | | | | | | | | |
| Male..... | 1926 | 16 | 973 | 51.7 | .355 | 18.35 | ----- | ----- | ----- |
| | 1928 | 33 | 1,231 | 51.1 | .346 | 17.68 | ----- | ----- | ----- |

TABLE 2.—Average hours and earnings with index numbers, 1907 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 |
| Knitters, rib, hosiery: | | | | | | | | | |
| Male..... | 1910 | 17 | 55 | 56.6 | \$0.199 | \$11.23 | 100.4 | 98.0 | 98.5 |
| | 1911 | 21 | 92 | 57.3 | .189 | 10.81 | 101.6 | 93.1 | 94.8 |
| | 1912 | 21 | 102 | 56.8 | .194 | 10.99 | 100.7 | 95.6 | 96.4 |
| | 1913 | 21 | 110 | 56.4 | .203 | 11.40 | 100.0 | 100.0 | 100.0 |
| | 1914 | 25 | 126 | 55.7 | .195 | 10.79 | 98.8 | 96.1 | 94.6 |
| | 1922 | 24 | 108 | 52.1 | .326 | 16.98 | 92.4 | 160.6 | 148.9 |
| | 1924 | 34 | 123 | 53.1 | .435 | 23.10 | 94.1 | 214.3 | 202.6 |
| | 1926 | 43 | 152 | 53.6 | .365 | 19.56 | 95.0 | 179.8 | 171.6 |
| | 1928 | 40 | 120 | 54.0 | .333 | 17.98 | 95.7 | 164.0 | 157.7 |
| Female..... | 1910 | 14 | 49 | 57.4 | .190 | 7.45 | 103.6 | 82.8 | 85.7 |
| | 1911 | 13 | 45 | 57.1 | .147 | 8.43 | 103.1 | 93.6 | 97.0 |
| | 1912 | 16 | 68 | 55.9 | .141 | 7.92 | 100.9 | 89.8 | 91.1 |
| | 1913 | 16 | 60 | 55.4 | .157 | 8.69 | 100.0 | 100.0 | 100.0 |
| | 1914 | 13 | 56 | 54.9 | .167 | 9.12 | 99.1 | 106.4 | 104.9 |
| | 1922 | 22 | 103 | 50.8 | .336 | 17.07 | 91.7 | 214.0 | 196.4 |
| | 1924 | 21 | 121 | 52.0 | .346 | 17.99 | 93.9 | 220.4 | 207.0 |
| | 1926 | 27 | 76 | 51.4 | .352 | 18.09 | 92.8 | 224.2 | 208.2 |
| | 1928 | 20 | 74 | 51.5 | .342 | 17.61 | 93.0 | 217.8 | 202.6 |
| Knitters, transfer, hosiery: | | | | | | | | | |
| Male..... | 1910 | 4 | 152 | 58.2 | .136 | 7.88 | 100.3 | 90.7 | 90.9 |
| | 1911 | 12 | 172 | 57.8 | .147 | 8.43 | 99.7 | 98.0 | 97.2 |
| | 1912 | 14 | 257 | 57.7 | .156 | 8.96 | 99.5 | 104.0 | 103.3 |
| | 1913 | 14 | 314 | 58.0 | .150 | 8.67 | 100.0 | 100.0 | 100.0 |
| | 1914 | 16 | 305 | 56.3 | .151 | 8.45 | 97.1 | 100.7 | 97.5 |
| | 1919 | 10 | 122 | 54.3 | .298 | 16.18 | 93.6 | 198.7 | 186.6 |
| | 1922 | 15 | 137 | 52.5 | .334 | 17.54 | 90.5 | 222.7 | 202.3 |
| | 1924 | 18 | 175 | 51.1 | .437 | 22.33 | 88.1 | 291.3 | 257.6 |
| | 1926 | 27 | 330 | 54.1 | .336 | 18.18 | 93.3 | 224.0 | 209.7 |
| | 1928 | 18 | 205 | 53.8 | .317 | 17.05 | 92.8 | 211.3 | 196.9 |
| Female..... | 1907 | 3 | 154 | 58.1 | .123 | 7.15 | 103.7 | 82.6 | 85.8 |
| | 1908 | 3 | 175 | 58.1 | .134 | 7.79 | 103.7 | 89.9 | 93.5 |
| | 1909 | 3 | 145 | 58.1 | .133 | 7.73 | 103.7 | 89.3 | 92.8 |
| | 1910 | 32 | 1,851 | 57.5 | .121 | 6.96 | 102.7 | 81.2 | 83.6 |
| | 1911 | 33 | 2,174 | 57.2 | .135 | 7.71 | 102.1 | 90.6 | 92.6 |
| | 1912 | 37 | 2,891 | 56.1 | .139 | 7.77 | 100.2 | 93.3 | 93.3 |
| | 1913 | 37 | 2,905 | 56.0 | .149 | 8.33 | 100.0 | 100.0 | 100.0 |
| | 1914 | 37 | 2,800 | 54.9 | .150 | 8.24 | 98.0 | 100.7 | 98.9 |
| | 1919 | 21 | 1,095 | 53.0 | .272 | 14.42 | 94.6 | 182.6 | 173.1 |
| | 1922 | 46 | 2,143 | 50.7 | .293 | 14.86 | 90.5 | 196.6 | 178.4 |
| | 1924 | 55 | 2,939 | 50.8 | .344 | 17.48 | 90.7 | 230.9 | 209.8 |
| | 1926 | 72 | 3,058 | 52.5 | .298 | 15.65 | 93.8 | 200.0 | 187.9 |
| | 1928 | 58 | 2,483 | 53.1 | .294 | 15.61 | 94.8 | 197.3 | 187.4 |
| Loopers, hosiery: | | | | | | | | | |
| Female..... | 1907 | 9 | 610 | 58.4 | .140 | 8.18 | 104.3 | 93.3 | 97.7 |
| | 1908 | 9 | 637 | 58.2 | .128 | 7.45 | 103.9 | 85.3 | 89.0 |
| | 1909 | 9 | 603 | 58.2 | .139 | 8.09 | 103.9 | 92.7 | 96.7 |
| | 1910 | 43 | 2,013 | 57.3 | .133 | 7.59 | 102.3 | 88.7 | 90.7 |
| | 1911 | 44 | 2,089 | 57.1 | .134 | 7.69 | 102.0 | 89.3 | 91.9 |
| | 1912 | 49 | 2,524 | 56.1 | .146 | 8.21 | 100.2 | 97.3 | 98.1 |
| | 1913 | 49 | 2,542 | 56.0 | .150 | 8.37 | 100.0 | 100.0 | 100.0 |
| | 1914 | 49 | 2,626 | 54.8 | .157 | 8.59 | 97.9 | 104.7 | 102.6 |
| | 1919 | 29 | 1,499 | 52.2 | .296 | 15.45 | 93.2 | 197.3 | 184.6 |
| | 1922 | 63 | 2,194 | 50.8 | .327 | 16.61 | 90.7 | 218.0 | 198.4 |
| | 1924 | 80 | 2,832 | 50.8 | .384 | 19.51 | 90.7 | 256.0 | 233.1 |
| | 1926 | 101 | 3,753 | 52.4 | .371 | 19.44 | 93.6 | 247.3 | 232.3 |
| | 1928 | 105 | 3,607 | 53.0 | .385 | 20.41 | 94.6 | 256.7 | 243.8 |
| Machine fixers, hosiery and underwear: | | | | | | | | | |
| Male..... | 1924 | 126 | 736 | 51.1 | .706 | 36.08 | ----- | ----- | ----- |
| Machine fixers, hosiery: | | | | | | | | | |
| Male..... | 1926 | 97 | 871 | 53.6 | .713 | 38.22 | ----- | ----- | ----- |
| | 1928 | 99 | 810 | 53.7 | .760 | 40.81 | ----- | ----- | ----- |
| Menders, hosiery and underwear: | | | | | | | | | |
| Female..... | 1907 | 8 | 259 | 58.4 | .126 | 7.36 | 104.3 | 88.7 | 92.3 |
| | 1908 | 8 | 266 | 58.1 | .129 | 7.49 | 103.8 | 90.8 | 94.0 |
| | 1909 | 8 | 238 | 58.1 | .129 | 7.49 | 103.8 | 90.8 | 94.0 |
| | 1910 | 30 | 1,089 | 57.1 | .126 | 7.14 | 102.0 | 88.7 | 89.6 |
| | 1911 | 30 | 1,127 | 57.0 | .133 | 7.55 | 101.8 | 93.7 | 94.7 |
| | 1912 | 35 | 1,108 | 56.2 | .141 | 7.92 | 100.4 | 99.3 | 99.4 |
| | 1913 | 39 | 1,174 | 56.0 | .142 | 7.97 | 100.0 | 100.0 | 100.0 |
| | 1914 | 39 | 1,176 | 55.0 | .149 | 8.17 | 98.2 | 104.9 | 102.5 |
| | 1922 | 59 | 1,084 | 50.6 | .328 | 16.60 | 90.4 | 231.0 | 208.3 |
| | 1924 | 126 | 1,598 | 50.6 | .367 | 18.57 | 90.4 | 253.5 | 233.0 |

TABLE 2.—Average hours and earnings with index numbers, 1907 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 |
| Menders, hosiery: | | | | | | | | | |
| Female..... | 1926 | 98 | 1,362 | 50.8 | \$0.389 | \$19.76 | | | |
| | 1928 | 103 | 1,294 | 51.4 | .387 | 19.89 | | | |
| Pairers or maters, hosiery: | | | | | | | | | |
| Female..... | 1926 | 80 | 1,301 | 51.8 | .358 | 18.54 | | | |
| | 1928 | 82 | 1,219 | 52.2 | .367 | 19.16 | | | |
| Seamers, full-fashioned, hosiery: | | | | | | | | | |
| Female..... | 1913 | 9 | 293 | 55.1 | .170 | 9.38 | 100.0 | 100.0 | 100.0 |
| | 1914 | 9 | 306 | 54.4 | .173 | 9.41 | 98.7 | 101.8 | 100.3 |
| | 1922 | 17 | 460 | 50.7 | .395 | 20.03 | 92.0 | 232.4 | 213.5 |
| | 1924 | 26 | 563 | 50.5 | .484 | 24.44 | 91.7 | 284.7 | 260.6 |
| | 1926 | 28 | 927 | 50.5 | .515 | 26.01 | 91.7 | 302.9 | 277.3 |
| | 1928 | 40 | 954 | 49.8 | .504 | 25.10 | 90.4 | 296.5 | 267.6 |
| Seamers, mock, hosiery: | | | | | | | | | |
| Female..... | 1928 | 39 | 336 | 53.5 | .306 | 16.37 | | | |
| Toppers, full-fashioned, hosiery: | | | | | | | | | |
| Female..... | 1913 | 6 | 448 | 55.1 | .152 | 8.41 | 100.0 | 100.0 | 100.0 |
| | 1914 | 9 | 528 | 54.4 | .152 | 8.29 | 98.7 | 100.0 | 98.6 |
| | 1922 | 9 | 477 | 51.7 | .460 | 23.27 | 93.8 | 296.1 | 276.7 |
| | 1924 | 26 | 1,166 | 50.6 | .472 | 23.88 | 91.8 | 310.5 | 283.9 |
| | 1926 | 28 | 1,372 | 50.3 | .563 | 28.32 | 91.3 | 370.4 | 336.7 |
| | 1928 | 39 | 1,512 | 49.9 | .561 | 27.99 | 90.6 | 369.1 | 332.8 |
| Welters, hosiery and underwear: | | | | | | | | | |
| Female..... | 1910 | 23 | 250 | 57.6 | .121 | 6.95 | 102.9 | 83.4 | 85.8 |
| | 1911 | 23 | 288 | 57.4 | .127 | 7.30 | 102.5 | 87.6 | 90.1 |
| | 1912 | 23 | 303 | 56.1 | .144 | 8.03 | 100.2 | 99.3 | 99.1 |
| | 1913 | 26 | 334 | 56.0 | .145 | 8.10 | 100.0 | 100.0 | 100.0 |
| | 1914 | 36 | 379 | 55.1 | .162 | 8.91 | 98.4 | 111.7 | 110.0 |
| | 1919 | 17 | 334 | 51.8 | .291 | 15.07 | 92.5 | 200.7 | 186.0 |
| | 1922 | 36 | 351 | 50.9 | .294 | 14.96 | 90.9 | 202.8 | 184.7 |
| | 1924 | 57 | 263 | 51.1 | .356 | 18.19 | 91.3 | 245.5 | 224.6 |
| Welters, hosiery: | | | | | | | | | |
| Female..... | 1926 | 39 | 219 | 52.2 | .325 | 16.97 | | | |
| | 1928 | 30 | 144 | 53.4 | .316 | 16.87 | | | |
| Winders, hosiery and underwear: | | | | | | | | | |
| Male..... | 1919 | 9 | 46 | 53.4 | .352 | 18.80 | | | |
| | 1922 | 20 | 147 | 54.1 | .386 | 18.42 | | | |
| | 1924 | 21 | 86 | 53.8 | .410 | 22.06 | | | |
| Female..... | 1907 | 6 | 266 | 58.8 | .140 | 8.23 | 107.5 | 89.7 | 96.6 |
| | 1908 | 6 | 276 | 58.7 | .163 | 9.57 | 107.3 | 104.5 | 112.3 |
| | 1909 | 6 | 262 | 58.6 | .152 | 8.91 | 107.1 | 97.4 | 104.6 |
| | 1910 | 38 | 1,020 | 58.0 | .129 | 7.51 | 106.0 | 82.7 | 88.1 |
| | 1911 | 45 | 1,001 | 57.8 | .130 | 7.54 | 105.7 | 83.3 | 88.5 |
| | 1912 | 53 | 1,099 | 56.4 | .139 | 7.87 | 103.1 | 89.1 | 92.4 |
| | 1913 | 53 | 1,225 | 54.7 | .156 | 8.52 | 100.0 | 100.0 | 100.0 |
| | 1914 | 61 | 1,555 | 54.2 | .154 | 8.36 | 99.1 | 98.7 | 98.1 |
| | 1919 | 41 | 1,256 | 52.3 | .271 | 14.17 | 95.6 | 173.7 | 166.3 |
| | 1922 | 80 | 1,249 | 49.8 | .347 | 17.28 | 91.0 | 222.4 | 202.8 |
| | 1924 | 106 | 1,315 | 50.0 | .402 | 20.10 | 91.4 | 257.7 | 235.9 |
| Winders, hosiery: | | | | | | | | | |
| Male..... | 1926 | 19 | 114 | 53.5 | .406 | 21.72 | | | |
| | 1928 | 19 | 121 | 53.1 | .337 | 17.89 | | | |
| Female..... | 1926 | 84 | 1,069 | 50.9 | .378 | 19.24 | | | |
| | 1928 | 84 | 691 | 51.4 | .366 | 18.81 | | | |
| Other employees, hosiery and underwear: | | | | | | | | | |
| Male..... | 1914 | 82 | 5,358 | 55.6 | .193 | 10.70 | | | |
| | 1922 | 107 | 4,918 | 53.8 | .354 | 19.05 | | | |
| | 1924 | 138 | 4,682 | 51.9 | .379 | 19.67 | | | |
| Female..... | 1914 | 82 | 4,877 | 54.6 | .128 | 7.00 | | | |
| | 1922 | 105 | 4,382 | 50.3 | .283 | 14.23 | | | |
| | 1924 | 143 | 5,993 | 50.5 | .292 | 14.75 | | | |
| Other employees, hosiery: | | | | | | | | | |
| Male..... | 1926 | 102 | 3,055 | 52.7 | .397 | 20.92 | | | |
| | 1928 | 106 | 2,181 | 52.6 | .411 | 21.62 | | | |
| Female..... | 1926 | 102 | 3,613 | 50.3 | .279 | 14.03 | | | |
| | 1928 | 103 | 3,431 | 51.5 | .258 | 13.29 | | | |

TABLE 2.—Average hours and earnings with index numbers, 1907 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 |
| Buttonhole makers, underwear: | | | | | | | | | |
| Female..... | 1910 | 21 | 178 | 57.8 | \$0.162 | \$9.41 | 105.3 | 81.4 | 86.3 |
| | 1911 | 27 | 191 | 58.0 | .164 | 9.53 | 105.6 | 82.4 | 87.4 |
| | 1912 | 28 | 196 | 57.0 | .168 | 9.55 | 103.8 | 84.4 | 87.5 |
| | 1913 | 28 | 226 | 54.9 | .199 | 10.91 | 100.0 | 100.0 | 100.0 |
| | 1914 | 42 | 330 | 54.5 | .199 | 10.87 | 99.3 | 100.0 | 99.6 |
| | 1919 | 24 | 203 | 51.6 | .317 | 16.36 | 94.0 | 159.3 | 150.0 |
| | 1922 | 49 | 349 | 50.4 | .321 | 16.18 | 91.8 | 161.3 | 148.3 |
| | 1924 | 66 | 404 | 50.2 | .357 | 17.92 | 91.4 | 179.4 | 164.3 |
| | 1926 | 73 | 364 | 50.2 | .354 | 17.77 | 91.4 | 177.9 | 162.9 |
| | 1928 | 76 | 369 | 50.1 | .340 | 17.03 | 91.3 | 170.9 | 156.1 |
| Button sewers, underwear: | | | | | | | | | |
| Female..... | 1910 | 21 | 159 | 58.1 | .149 | 8.66 | 106.4 | 85.1 | 90.8 |
| | 1911 | 27 | 171 | 58.2 | .146 | 8.50 | 106.6 | 83.4 | 89.1 |
| | 1912 | 28 | 183 | 57.2 | .147 | 8.42 | 104.8 | 84.0 | 88.3 |
| | 1913 | 28 | 223 | 54.6 | .175 | 9.54 | 100.0 | 100.0 | 100.0 |
| | 1914 | 41 | 308 | 54.5 | .178 | 9.71 | 99.8 | 101.7 | 101.8 |
| | 1919 | 26 | 242 | 52.5 | .276 | 14.49 | 96.2 | 157.7 | 151.9 |
| | 1922 | 49 | 345 | 50.7 | .301 | 15.26 | 92.9 | 172.0 | 160.0 |
| | 1924 | 65 | 330 | 50.3 | .336 | 16.30 | 92.1 | 192.0 | 177.1 |
| | 1926 | 69 | 365 | 50.5 | .338 | 17.07 | 92.5 | 193.1 | 178.9 |
| | 1928 | 76 | 376 | 50.7 | .302 | 15.31 | 92.9 | 172.6 | 160.5 |
| Cutters, hand, layers-up, and markers, underwear: | | | | | | | | | |
| Male..... | 1910 | 12 | 130 | 59.3 | .217 | 12.82 | 106.8 | 85.4 | 90.9 |
| | 1911 | 18 | 138 | 58.6 | .227 | 13.26 | 105.6 | 89.4 | 94.0 |
| | 1912 | 18 | 162 | 58.6 | .210 | 12.32 | 105.6 | 82.7 | 87.3 |
| | 1913 | 17 | 169 | 55.5 | .254 | 14.11 | 100.0 | 100.0 | 100.0 |
| | 1914 | 32 | 361 | 53.6 | .243 | 13.50 | 100.2 | 95.7 | 95.7 |
| | 1919 | 17 | 86 | 53.3 | .369 | 19.67 | 96.0 | 145.3 | 139.4 |
| | 1922 | 37 | 266 | 51.7 | .431 | 22.28 | 93.2 | 169.7 | 157.9 |
| | 1924 | 35 | 217 | 50.9 | .483 | 24.58 | 91.7 | 190.2 | 174.2 |
| | 1926 | 48 | 229 | 50.3 | .513 | 25.80 | 90.6 | 202.0 | 182.8 |
| | 1928 | 48 | 284 | 51.1 | .448 | 22.89 | 92.1 | 178.4 | 162.2 |
| Female..... | 1907 | 4 | 82 | 58.6 | .144 | 8.44 | 106.9 | 85.2 | 91.3 |
| | 1908 | 4 | 90 | 57.9 | .157 | 9.09 | 105.7 | 92.9 | 98.4 |
| | 1909 | 4 | 98 | 58.0 | .145 | 8.41 | 105.8 | 85.3 | 91.0 |
| | 1910 | 10 | 182 | 56.5 | .137 | 7.79 | 103.1 | 81.1 | 84.3 |
| | 1911 | 14 | 161 | 56.4 | .139 | 7.85 | 102.0 | 82.2 | 85.0 |
| | 1912 | 12 | 193 | 54.7 | .152 | 8.33 | 99.8 | 89.9 | 90.2 |
| | 1913 | 13 | 242 | 54.8 | .169 | 9.24 | 100.0 | 100.0 | 100.0 |
| | 1914 | 20 | 265 | 54.4 | .171 | 9.33 | 99.3 | 101.2 | 101.0 |
| | 1919 | 22 | 586 | 50.4 | .313 | 15.78 | 92.0 | 185.2 | 170.8 |
| | 1922 | 25 | 400 | 48.9 | .372 | 18.19 | 89.2 | 220.1 | 196.9 |
| | 1924 | 50 | 655 | 49.8 | .363 | 18.08 | 90.9 | 214.8 | 195.7 |
| | 1926 | 52 | 429 | 50.2 | .367 | 18.42 | 91.6 | 217.2 | 199.4 |
| | 1928 | 54 | 455 | 50.4 | .344 | 17.34 | 92.0 | 203.6 | 187.7 |
| Cutters, power, underwear: | | | | | | | | | |
| Male..... | 1924 | 46 | 129 | 51.0 | .543 | 27.69 | ----- | ----- | ----- |
| | 1926 | 61 | 121 | 50.8 | .550 | 27.94 | ----- | ----- | ----- |
| | 1928 | 68 | 157 | 50.8 | .510 | 25.91 | ----- | ----- | ----- |
| Female..... | 1924 | 11 | 29 | 49.0 | .463 | 22.69 | ----- | ----- | ----- |
| | 1926 | 12 | 31 | 49.0 | .432 | 21.17 | ----- | ----- | ----- |
| | 1928 | 12 | 41 | 50.0 | .356 | 17.80 | ----- | ----- | ----- |
| Finishers, underwear: | | | | | | | | | |
| Female..... | 1907 | 5 | 555 | 58.7 | .158 | 9.27 | 107.3 | 85.9 | 92.1 |
| | 1908 | 5 | 516 | 58.6 | .151 | 8.85 | 107.1 | 82.1 | 87.9 |
| | 1909 | 5 | 533 | 58.7 | .148 | 8.69 | 107.3 | 80.4 | 86.3 |
| | 1910 | 23 | 1,443 | 57.9 | .150 | 8.71 | 105.9 | 81.5 | 86.5 |
| | 1911 | 27 | 1,533 | 57.9 | .148 | 8.59 | 105.9 | 80.4 | 85.3 |
| | 1912 | 29 | 1,808 | 57.0 | .154 | 8.79 | 104.2 | 83.7 | 87.3 |
| | 1913 | 29 | 2,303 | 54.7 | .184 | 10.07 | 100.0 | 100.0 | 100.0 |
| | 1914 | 44 | 3,878 | 54.5 | .180 | 9.78 | 99.6 | 97.8 | 97.1 |
| | 1919 | 28 | 2,715 | 51.9 | .297 | 15.41 | 94.9 | 161.4 | 153.0 |
| | 1922 | 49 | 3,112 | 50.2 | .327 | 16.42 | 91.8 | 177.7 | 163.1 |
| | 1924 | 67 | 3,295 | 49.8 | .377 | 19.77 | 91.0 | 204.9 | 186.4 |
| | 1926 | 84 | 3,221 | 50.3 | .358 | 18.01 | 92.0 | 194.6 | 178.8 |
| | 1928 | 84 | 3,175 | 50.2 | .341 | 17.12 | 91.8 | 185.3 | 170.0 |
| Folders, underwear: | | | | | | | | | |
| Female..... | 1926 | 61 | 463 | 50.4 | .365 | 18.40 | ----- | ----- | ----- |
| | 1928 | 66 | 488 | 50.3 | .343 | 17.25 | ----- | ----- | ----- |
| Hemmers, underwear: | | | | | | | | | |
| Female..... | 1926 | 43 | 223 | 49.2 | .379 | 18.65 | ----- | ----- | ----- |
| | 1928 | 46 | 209 | 48.9 | .376 | 18.39 | ----- | ----- | ----- |

TABLE 2.—Average hours and earnings with index numbers, 1907 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 |
| Inspectors, underwear: | | | | | | | | | |
| Female..... | 1926 | 80 | 1,056 | 50.0 | \$0.306 | \$15.30 | | | |
| | 1928 | 83 | 1,314 | 50.1 | .278 | 13.93 | | | |
| Knitters, cuff and ankle, underwear: | | | | | | | | | |
| Male..... | 1926 | 32 | 55 | 50.2 | .550 | 27.61 | | | |
| | 1928 | 28 | 42 | 49.7 | .538 | 26.74 | | | |
| Female..... | 1926 | 5 | 6 | 50.2 | .376 | 18.88 | | | |
| | 1928 | 8 | 9 | 49.7 | .469 | 23.31 | | | |
| Knitters, web or tube, underwear: | | | | | | | | | |
| Male..... | 1907 | 4 | 101 | 58.5 | .219 | 12.81 | 105.6 | 88.0 | 93.2 |
| | 1908 | 4 | 107 | 58.3 | .209 | 12.18 | 105.2 | 83.9 | 88.6 |
| | 1909 | 4 | 110 | 58.5 | .213 | 12.46 | 105.6 | 85.5 | 90.7 |
| | 1910 | 14 | 212 | 58.0 | .201 | 11.69 | 104.7 | 80.7 | 85.1 |
| | 1911 | 22 | 253 | 57.9 | .211 | 12.24 | 104.5 | 84.7 | 89.1 |
| | 1912 | 22 | 261 | 57.0 | .227 | 12.97 | 102.9 | 91.2 | 94.4 |
| | 1913 | 22 | 250 | 55.4 | .249 | 13.74 | 100.0 | 100.0 | 100.0 |
| | 1914 | 35 | 386 | 55.7 | .229 | 12.74 | 100.5 | 92.0 | 92.7 |
| | 1919 | 18 | 200 | 52.9 | .407 | 21.63 | 95.5 | 163.5 | 156.7 |
| | 1922 | 41 | 399 | 51.8 | .448 | 23.21 | 93.5 | 179.9 | 168.9 |
| | 1924 | 55 | 454 | 51.3 | .528 | 27.09 | 92.6 | 212.0 | 197.2 |
| | 1926 | 67 | 393 | 52.0 | .534 | 27.77 | 93.9 | 214.5 | 202.1 |
| | 1928 | 73 | 446 | 52.2 | .490 | 25.58 | 94.2 | 196.8 | 186.2 |
| Female..... | 1907 | 3 | 101 | 58.3 | .143 | 8.34 | 105.8 | 100.0 | 105.8 |
| | 1908 | 3 | 113 | 58.4 | .145 | 8.47 | 106.0 | 101.4 | 107.5 |
| | 1909 | 3 | 109 | 58.5 | .132 | 7.72 | 106.2 | 92.3 | 98.0 |
| | 1910 | 16 | 245 | 57.4 | .172 | 9.59 | 104.2 | 120.3 | 121.7 |
| | 1911 | 19 | 216 | 56.9 | .162 | 9.23 | 103.3 | 113.3 | 117.1 |
| | 1912 | 19 | 181 | 55.4 | .135 | 7.49 | 100.5 | 94.4 | 95.1 |
| | 1913 | 15 | 183 | 55.1 | .143 | 7.88 | 100.0 | 100.0 | 100.0 |
| | 1914 | 21 | 237 | 54.4 | .147 | 8.00 | 98.7 | 102.8 | 101.5 |
| | 1919 | 22 | 295 | 51.7 | .289 | 14.94 | 93.8 | 202.1 | 189.6 |
| | 1922 | 25 | 263 | 49.3 | .346 | 17.06 | 89.5 | 242.0 | 216.6 |
| | 1924 | 34 | 290 | 49.0 | .390 | 19.11 | 88.9 | 272.7 | 242.5 |
| | 1926 | 47 | 275 | 49.6 | .379 | 18.80 | 90.0 | 265.0 | 238.6 |
| | 1928 | 35 | 198 | 49.7 | .378 | 18.79 | 90.2 | 264.3 | 238.5 |
| Machine fixers, underwear: | | | | | | | | | |
| Male..... | 1926 | 73 | 229 | 49.9 | .717 | 35.78 | | | |
| | 1928 | 74 | 223 | 50.1 | .728 | 36.47 | | | |
| Menders, underwear: | | | | | | | | | |
| Female..... | 1926 | 57 | 246 | 50.3 | .311 | 15.64 | | | |
| | 1928 | 65 | 282 | 50.3 | .298 | 14.99 | | | |
| Pressers, hosiery and underwear: | | | | | | | | | |
| Male..... | 1907 | 7 | 32 | 59.3 | .191 | 11.33 | 105.9 | 91.8 | 97.9 |
| | 1908 | 7 | 35 | 59.2 | .187 | 9.89 | 105.7 | 80.3 | 85.6 |
| | 1909 | 7 | 40 | 59.1 | .171 | 10.11 | 105.5 | 82.2 | 87.4 |
| | 1910 | 34 | 155 | 58.0 | .177 | 10.23 | 103.6 | 85.1 | 88.4 |
| | 1911 | 33 | 151 | 57.7 | .187 | 10.75 | 103.0 | 89.9 | 92.9 |
| | 1912 | 39 | 204 | 56.9 | .185 | 10.45 | 101.6 | 88.9 | 90.3 |
| | 1913 | 39 | 202 | 56.0 | .208 | 11.57 | 100.0 | 100.0 | 100.0 |
| | 1914 | 49 | 214 | 55.6 | .213 | 11.82 | 99.3 | 102.4 | 102.2 |
| | 1919 | 30 | 115 | 53.8 | .415 | 22.33 | 96.1 | 199.5 | 193.0 |
| | 1922 | 53 | 243 | 51.4 | .372 | 19.12 | 91.8 | 178.8 | 165.3 |
| | 1924 | 69 | 190 | 51.0 | .448 | 22.85 | 91.1 | 215.4 | 197.5 |
| Female..... | 1919 | 15 | 188 | 50.3 | .287 | 14.44 | | | |
| | 1922 | 25 | 230 | 48.9 | .311 | 15.21 | | | |
| | 1924 | 33 | 141 | 49.1 | .347 | 17.04 | | | |
| Pressers, underwear: | | | | | | | | | |
| Male..... | 1926 | 38 | 92 | 50.3 | .455 | 22.89 | | | |
| | 1928 | 43 | 84 | 50.9 | .401 | 20.41 | | | |
| Female..... | 1926 | 50 | 236 | 50.3 | .346 | 17.40 | | | |
| | 1928 | 46 | 235 | 50.3 | .376 | 18.91 | | | |
| Press hands, hosiery and underwear: | | | | | | | | | |
| Male..... | 1922 | 11 | 41 | 53.2 | .346 | 18.41 | | | |
| | 1924 | 11 | 60 | 53.4 | .500 | 26.70 | | | |
| Female..... | 1907 | 2 | 100 | 58.0 | .119 | 6.90 | 107.0 | 79.3 | 84.5 |
| | 1908 | 2 | 107 | 58.0 | .118 | 6.94 | 107.0 | 78.7 | 83.7 |
| | 1909 | 2 | 115 | 58.0 | .106 | 6.15 | 107.0 | 70.7 | 75.3 |
| | 1910 | 13 | 207 | 57.7 | .119 | 6.83 | 106.5 | 79.3 | 83.6 |
| | 1911 | 13 | 208 | 57.5 | .118 | 6.90 | 106.1 | 78.7 | 83.2 |
| | 1912 | 10 | 207 | 55.8 | .120 | 6.70 | 103.0 | 80.0 | 82.0 |
| | 1913 | 14 | 240 | 54.2 | .150 | 8.17 | 100.0 | 100.0 | 100.0 |
| | 1914 | 18 | 261 | 54.1 | .151 | 8.17 | 99.8 | 100.7 | 100.0 |
| | 1919 | 8 | 82 | 50.1 | .276 | 13.83 | 92.4 | 184.0 | 169.3 |
| | 1922 | 18 | 118 | 50.5 | .281 | 14.19 | 93.2 | 187.3 | 173.7 |
| | 1924 | 20 | 140 | 49.5 | .351 | 17.37 | 91.3 | 204.0 | 212.6 |

TABLE 2.—Average hours and earnings with index numbers, 1907 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 |
| Press hands, underwear: | | | | | | | | | |
| Male | 1926 | 11 | 22 | 50.3 | \$0.392 | \$19.72 | | | |
| | 1928 | 10 | 29 | 50.9 | .408 | 20.77 | | | |
| Female | 1926 | 20 | 118 | 49.6 | .287 | 14.24 | | | |
| | 1928 | 17 | 112 | 49.1 | .294 | 14.44 | | | |
| Seamers, underwear: | | | | | | | | | |
| Female | 1907 | 5 | 390 | 58.6 | .144 | 8.44 | 107.5 | 81.8 | 88.2 |
| | 1908 | 5 | 426 | 58.5 | .156 | 9.13 | 107.3 | 88.6 | 95.4 |
| | 1909 | 5 | 439 | 58.6 | .158 | 9.26 | 107.5 | 89.8 | 96.8 |
| | 1910 | 23 | 1,181 | 57.8 | .143 | 8.26 | 106.1 | 81.2 | 86.3 |
| | 1911 | 27 | 1,280 | 58.1 | .141 | 8.22 | 106.6 | 80.1 | 85.9 |
| | 1912 | 29 | 1,321 | 57.2 | .149 | 8.52 | 105.0 | 84.7 | 89.0 |
| | 1913 | 29 | 1,561 | 54.5 | .176 | 9.57 | 100.0 | 100.0 | 100.0 |
| | 1914 | 29 | 1,589 | 54.1 | .183 | 9.91 | 99.3 | 104.0 | 103.6 |
| | 1919 | 36 | 1,562 | 51.3 | .287 | 14.72 | 94.1 | 163.1 | 153.8 |
| | 1922 | 50 | 2,192 | 50.3 | .325 | 16.35 | 92.3 | 184.7 | 170.8 |
| | 1924 | 67 | 2,200 | 50.3 | .372 | 18.71 | 92.3 | 211.4 | 195.5 |
| | 1926 | 84 | 2,377 | 50.2 | .374 | 18.77 | 92.1 | 212.5 | 196.1 |
| | 1928 | 84 | 2,425 | 50.2 | .355 | 17.82 | 92.1 | 201.7 | 186.2 |
| Winders, underwear: | | | | | | | | | |
| Male | 1926 | 17 | 38 | 55.7 | .458 | 25.51 | | | |
| | 1928 | 13 | 37 | 52.8 | .365 | 19.27 | | | |
| Female | 1926 | 62 | 859 | 50.0 | .398 | 19.90 | | | |
| | 1928 | 60 | 731 | 49.3 | .354 | 17.45 | | | |
| Other employees, underwear: | | | | | | | | | |
| Male | 1926 | 82 | 1,681 | 51.0 | .420 | 21.42 | | | |
| | 1928 | 83 | 1,503 | 50.1 | .396 | 19.84 | | | |
| Female | 1926 | 84 | 1,919 | 49.8 | .314 | 15.64 | | | |
| | 1928 | 82 | 1,832 | 48.2 | .282 | 13.59 | | | |

AVERAGE HOURS AND EARNINGS, 1926 AND 1928, BY SEX AND STATE

The figures in Table 3 are the 1926 and 1928 average hours and earnings for all males, for all females, and also for both sexes combined in all occupations included in the study of hosiery and of underwear in each State or group of two States in each year. It was necessary, in order to avoid publishing figures for one mill in a State and possibly reveal its identity, to combine the data for mills in the hosiery industry in Alabama and Louisiana, and Maryland and West Virginia, Minnesota and Wisconsin, and in New Hampshire and Vermont; and for those in the underwear industry in Connecticut and Rhode Island, Minnesota and Wisconsin, and in New Hampshire and Vermont.

The purpose of this table is to make easy the comparison of average hours and earnings, one State with another, and also one year with another.

In computing the averages in this and other tables in the report, only the wage data for a representative portion of the employees in a few large mills were used. The inclusion of wage data for all employees in such mills would have tended to overweight and possibly impair the averages for each of the States in which the large mills were located.

The data for 1926 are for 10,250 male and 20,296 female wage earners, or a total of 30,546 in the hosiery industry; and the data for 1928 are for 9,401 males and 19,044 females, or a total of 28,445. In

the underwear industry the 1926 data are for 2,860 males and 12,188 females, or a total of 15,048 wage earners, and the 1928 data are for 2,805 males and 12,251 females, or a total of 15,056 wage earners.

Average full-time hours per week of males in the hosiery industry ranged by States in 1926 from 48.5 for the States with the lowest to 57.1 for the one with the highest average, and in 1928 from 48.5 to 55.9, and of females ranged from 47.1 to 55.2 in 1926 and from 47.4 to 55.5 in 1928. The averages for males and females combined, or the industry, ranged by States from 47.6 to 55.2 in 1926 and from 48.1 to 55.6 in 1928. The averages for all males in all States were 52.6 in 1926 and 52.4 in 1928, and for females were 51.5 in 1926 and 51.9 in 1928, and for all males and females combined were 51.9 in 1926 and 52.1 in 1928.

Average earnings per hour of males in the hosiery industry in 1926 ranged by States from 28.6 cents to \$1.268 and in 1928 from 34.7 cents to \$1.247, and of females ranged from 19.2 cents to 52.1 cents in 1926 and from 20.4 cents to 54.1 cents in 1928. The averages for both sexes combined, or the industry, ranged by States from 21.5 to 79.7 in 1926 and from 22.2 to 80.2 cents in 1928. The averages for all males in all States were 67.5 cents in 1926 and 72.4 cents in 1928, and for all females were 35.8 cents in 1926 and 36.0 cents in 1928, and for all males and females combined were 47.2 cents in 1926 and 48.8 cents in 1928. It is seen that average earnings per hour of males in Massachusetts increased from an average of 44.9 cents in 1926 to \$1.152 in 1928. The increase was due almost entirely to change by mills in that State from the manufacture of seamless to full-fashioned hosiery.

Agents of the bureau, when assigned to the work of collecting wage data from hosiery mills in a State, were instructed to make careful inquiry as to the relative importance of the various kinds of hosiery manufactured and to collect wage figures from mills that would be fairly representative of the industry in the State. For example, in a State where practically all hosiery manufactured was full-fashioned, data were collected from mills of that type only. The 1926 averages in the table for Massachusetts were computed from wage data for seamless hosiery only, and in 1928 for full-fashioned hosiery only. The difference between the averages in Massachusetts in 1926 and 1928 is due very largely to the difference in earnings of knitters of seamless hosiery and of knitters of full-fashioned hosiery. In 1926 the 88 male automatic knitters of seamless hosiery, included in the study in Massachusetts, earned an average of 42.4 cents and male rib knitters of seamless hosiery earned an average of 62.3 cents. In 1928 the 70 male knitters, full-fashioned, footers, included in the study in Massachusetts, earned an average of \$1.636 per hour and the 207 male knitters, full-fashioned, leggers, earned an average of \$1.473 per hour. There are no female full-fashioned knitters, but earnings per hour of females in Massachusetts increased from 32.3 cents in 1926 to 43.6 cents in 1928 because earnings in full-fashioned mills are generally higher than in seamless mills. The increase in average earnings per hour resulted in an increase of average full-time earnings per week of males in Massachusetts from \$21.87 in 1926 to \$55.87 in 1928, and of females from \$15.50 in 1926 to \$20.93 in 1928. Between 1926 and 1928 a considerable number of mills in other States changed from the manufacture of seamless to full-fashioned hosiery.

Average full-time earnings per week of males in the hosiery industry in 1926 ranged by States from \$15.70 to \$61.50 and in 1928 from \$19.22 to \$61.73, and of females ranged from \$10.56 to \$25.53 in 1926 and from \$11.14 to \$26.02 in 1928. The averages for both sexes combined, or the industry, ranged by States from \$11.83 to \$37.94 in 1926 and from \$12.12 to \$38.98 in 1928. The averages for all males in all States were \$35.51 per week in 1926 and \$37.94 in 1928, and for all females were \$18.44 in 1926 and \$18.68 in 1928, and for all males and females combined were \$24.50 in 1926 and \$25.42 in 1928.

Averages for employees in the underwear industry are also shown in the table. The explanation of the figures for hosiery also applies to the figures for the employees in the underwear industry.

TABLE 3.—Number of establishments and of wage earners and average hours and earnings, 1926 and 1928, by sex and State

| HOSIERY | | | | | | | | | | |
|---------------------------------|--------------------------|------|---------------------|--------|----------------------------------|------|---------------------------|---------|-------------------------------------|---------|
| State | Number of establishments | | Number of employees | | Average full-time hours per week | | Average earnings per hour | | Average full-time earnings per week | |
| | 1926 | 1928 | 1926 | 1928 | 1926 | 1928 | 1926 | 1928 | 1926 | 1928 |
| Males | | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 4 | 255 | 85 | 54.9 | 54.4 | \$0.286 | \$0.359 | \$15.70 | \$19.53 |
| Georgia..... | 7 | 7 | 467 | 353 | 55.0 | 55.4 | .348 | .347 | 19.14 | 19.22 |
| Illinois..... | 6 | 6 | 269 | 327 | 57.1 | 55.9 | .412 | .451 | 23.53 | 25.21 |
| Indiana..... | 2 | 3 | 462 | 267 | 50.3 | 49.9 | .713 | .731 | 35.96 | 36.48 |
| Maryland and West Virginia..... | (1) | 4 | (3) | 130 | (1) | 53.2 | (1) | .374 | (1) | 19.90 |
| Massachusetts..... | 3 | 7 | 321 | 437 | 48.7 | 48.5 | .440 | 1.152 | 21.87 | 55.87 |
| Michigan..... | 3 | 3 | 34 | 62 | 53.3 | 53.8 | .563 | .563 | 30.01 | 30.29 |
| Minnesota and Wisconsin..... | 5 | 6 | 789 | 772 | 50.3 | 50.8 | 1.858 | 1.745 | 43.16 | 37.85 |
| New Hampshire and Vermont..... | 6 | 6 | 215 | 90 | 48.5 | 52.4 | .495 | .482 | 24.01 | 25.26 |
| New Jersey..... | 4 | 4 | 371 | 382 | 48.5 | 49.2 | 1.268 | 1.184 | 61.50 | 58.25 |
| New York..... | 4 | 4 | 328 | 275 | 49.3 | 49.5 | 1.172 | 1.247 | 57.78 | 61.73 |
| North Carolina..... | 15 | 14 | 1,258 | 1,330 | 55.0 | 55.8 | .404 | .420 | 22.22 | 23.44 |
| Ohio..... | 3 | (1) | 41 | (1) | 51.4 | (1) | .586 | (1) | 30.12 | (1) |
| Pennsylvania..... | 23 | 24 | 4,146 | 3,846 | 52.4 | 51.4 | .829 | .869 | 43.44 | 44.67 |
| Rhode Island..... | 3 | (1) | 38 | (1) | 51.8 | (1) | .453 | (1) | 23.47 | (1) |
| Tennessee..... | 14 | 13 | 1,001 | 923 | 54.7 | 54.6 | .747 | .703 | 20.62 | 22.00 |
| Virginia..... | 3 | 3 | 165 | 113 | 52.8 | 53.1 | .347 | .370 | 18.32 | 19.65 |
| Total..... | 105 | 108 | 10,250 | 9,401 | 52.6 | 52.4 | .675 | .724 | 35.51 | 37.94 |
| Females | | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 4 | 906 | 646 | 55.0 | 54.6 | \$0.192 | \$0.204 | \$10.56 | \$11.14 |
| Georgia..... | 7 | 7 | 1,222 | 1,055 | 55.0 | 55.1 | .229 | .207 | 12.60 | 11.41 |
| Illinois..... | 6 | 6 | 701 | 701 | 53.9 | 54.1 | .284 | .300 | 15.31 | 16.23 |
| Indiana..... | 2 | 3 | 642 | 570 | 49.5 | 49.6 | .415 | .412 | 20.54 | 20.44 |
| Maryland and West Virginia..... | (1) | 4 | (1) | 527 | (1) | 53.6 | (1) | .238 | (1) | 12.76 |
| Massachusetts..... | 3 | 7 | 688 | 717 | 48.0 | 48.0 | .323 | .436 | 15.50 | 20.93 |
| Michigan..... | 3 | 3 | 272 | 271 | 50.4 | 50.8 | .352 | .369 | 17.74 | 18.75 |
| Minnesota and Wisconsin..... | 5 | 6 | 1,654 | 1,580 | 49.4 | 49.7 | 1.434 | 1.408 | 21.44 | 20.28 |
| New Hampshire and Vermont..... | 6 | 6 | 541 | 324 | 48.3 | 50.1 | .355 | .334 | 17.15 | 16.73 |
| New Jersey..... | 4 | 4 | 640 | 615 | 47.1 | 47.4 | .506 | .531 | 23.83 | 25.17 |
| New York..... | 4 | 4 | 677 | 505 | 49.0 | 48.1 | .521 | .541 | 25.53 | 26.02 |
| North Carolina..... | 15 | 14 | 1,932 | 2,568 | 55.2 | 55.5 | .276 | .286 | 15.24 | 15.87 |
| Ohio..... | 3 | (1) | 174 | (1) | 49.9 | (1) | .330 | (1) | 16.47 | (1) |
| Pennsylvania..... | 23 | 24 | 6,825 | 6,089 | 50.2 | 50.5 | .442 | .453 | 22.19 | 22.88 |
| Rhode Island..... | 3 | (1) | 198 | (1) | 51.5 | (1) | .319 | (1) | 16.43 | (1) |
| Tennessee..... | 14 | 13 | 2,572 | 2,484 | 54.0 | 54.1 | .249 | .248 | 13.45 | 13.42 |
| Virginia..... | 3 | 3 | 652 | 392 | 52.1 | 52.8 | .216 | .217 | 11.06 | 11.46 |
| Total..... | 105 | 108 | 20,296 | 19,044 | 51.5 | 51.9 | .358 | .360 | 18.44 | 18.68 |

¹ No data in this year.

² Data for Wisconsin only.

TABLE 3.—Number of establishments and of wage earners and average hours and earnings, 1926 and 1928, by sex and State—Continued

| HOSIERY—Continued | | | | | | | | | | | |
|---------------------------------|--------------------------|------|---------------------|--------|----------------------------------|------|---------------------------|---------|-------------------------------------|---------|--|
| State | Number of establishments | | Number of employees | | Average full-time hours per week | | Average earnings per hour | | Average full-time earnings per week | | |
| | 1926 | 1928 | 1926 | 1928 | 1926 | 1928 | 1926 | 1928 | 1926 | 1928 | |
| Males and Females | | | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 4 | 1,161 | 731 | 55.0 | 54.6 | \$0.215 | \$0.222 | \$11.83 | \$12.12 | |
| Georgia..... | 7 | 7 | 1,689 | 1,408 | 55.0 | 55.1 | .264 | .244 | 14.52 | 13.44 | |
| Illinois..... | 6 | 6 | 970 | 1,028 | 54.8 | 54.6 | .324 | .352 | 17.76 | 19.22 | |
| Indiana..... | 2 | 3 | 1,104 | 837 | 49.9 | 49.7 | .542 | .518 | 27.05 | 25.74 | |
| Maryland and West Virginia..... | (1) | 4 | (1) | 657 | (1) | 53.5 | (1) | .268 | (1) | 14.34 | |
| Massachusetts..... | 3 | 7 | 1,009 | 1,154 | 48.2 | 48.2 | .367 | .722 | 17.69 | 34.80 | |
| Michigan..... | 3 | 3 | 306 | 333 | 50.7 | 51.4 | .378 | .414 | 19.16 | 21.28 | |
| Minnesota and Wisconsin..... | 5 | 6 | 2,443 | 2,352 | 49.7 | 50.0 | 1.580 | .528 | 28.83 | 26.40 | |
| New Hampshire and Vermont..... | 6 | 6 | 756 | 423 | 48.4 | 50.6 | .400 | .373 | 19.36 | 18.87 | |
| New Jersey..... | 4 | 4 | 1,011 | 997 | 47.6 | 48.1 | .797 | .796 | 37.94 | 38.29 | |
| New York..... | 4 | 4 | 1,005 | 780 | 49.1 | 48.6 | .748 | .802 | 36.73 | 38.98 | |
| North Carolina..... | 15 | 14 | 3,190 | 3,898 | 55.2 | 55.6 | .328 | .334 | 18.11 | 18.57 | |
| Ohio..... | 3 | (1) | 215 | (1) | 50.2 | (1) | .382 | (1) | 19.18 | (1) | |
| Pennsylvania..... | 23 | 24 | 10,971 | 9,935 | 51.0 | 50.8 | .598 | .625 | 30.50 | 31.75 | |
| Rhode Island..... | 3 | (1) | 236 | (1) | 51.6 | (1) | .345 | (1) | 17.80 | (1) | |
| Tennessee..... | 14 | 13 | 3,663 | 3,407 | 54.2 | 54.3 | .290 | .292 | 15.72 | 15.86 | |
| Virginia..... | 3 | 3 | 817 | 505 | 52.2 | 52.8 | .246 | .252 | 12.84 | 13.31 | |
| Total..... | 105 | 108 | 30,546 | 28,445 | 51.9 | 52.1 | .472 | .488 | 24.50 | 25.42 | |

UNDERWEAR

Males

| | | | | | | | | | | |
|-----------------------------------|-----|-----|-------|-------|------|------|---------|---------|---------|---------|
| Connecticut and Rhode Island..... | 6 | 5 | 121 | 97 | 51.0 | 50.2 | \$0.490 | \$0.539 | \$24.99 | \$27.06 |
| Georgia..... | 2 | (1) | 28 | (1) | 58.0 | (1) | .229 | (1) | 13.28 | (1) |
| Illinois..... | 3 | 3 | 67 | 86 | 48.9 | 46.4 | .526 | .530 | 25.72 | 24.59 |
| Indiana..... | 2 | 3 | 112 | 86 | 50.2 | 50.7 | .500 | .494 | 25.10 | 25.05 |
| Massachusetts..... | 4 | 4 | 271 | 191 | 48.3 | 48.5 | .566 | .578 | 27.34 | 28.03 |
| Michigan..... | 4 | 4 | 57 | 66 | 51.7 | 51.0 | .477 | .520 | 24.66 | 26.52 |
| Minnesota and Wisconsin..... | 4 | 4 | 198 | 127 | 50.1 | 48.9 | .517 | .584 | 25.90 | 26.11 |
| New Hampshire and Vermont..... | 3 | 3 | 146 | 113 | 49.6 | 49.6 | .482 | .506 | 23.91 | 25.20 |
| New York..... | 29 | 27 | 1,260 | 1,191 | 50.8 | 49.3 | .480 | .448 | 24.38 | 22.09 |
| North Carolina..... | (1) | 4 | (1) | 162 | (1) | 54.3 | (1) | .350 | (1) | 19.01 |
| Ohio..... | 3 | (1) | 98 | (1) | 51.8 | (1) | .431 | (1) | 22.33 | (1) |
| Pennsylvania..... | 22 | 19 | 306 | 323 | 52.5 | 53.2 | .448 | .443 | 23.52 | 23.57 |
| Tennessee..... | 3 | 5 | 196 | 257 | 55.1 | 55.2 | .375 | .336 | 20.66 | 18.55 |
| Virginia..... | (1) | 3 | (1) | 106 | (1) | 52.2 | (1) | .413 | (1) | 21.56 |
| Total..... | 85 | 83 | 2,860 | 2,805 | 51.0 | 50.6 | .477 | .453 | 24.33 | 22.92 |

Females

| | | | | | | | | | | |
|-----------------------------------|-----|-----|--------|--------|------|------|---------|---------|---------|---------|
| Connecticut and Rhode Island..... | 6 | 6 | 751 | 512 | 51.2 | 50.9 | \$0.361 | \$0.356 | \$18.48 | \$18.12 |
| Georgia..... | 2 | (1) | 121 | (1) | 56.7 | (1) | .189 | (1) | 10.72 | (1) |
| Illinois..... | 3 | 3 | 185 | 358 | 45.8 | 45.6 | .453 | .446 | 20.75 | 20.34 |
| Indiana..... | 2 | 3 | 484 | 307 | 47.6 | 49.4 | .355 | .367 | 16.90 | 18.13 |
| Massachusetts..... | 4 | 4 | 1,386 | 1,371 | 48.0 | 45.9 | .405 | .370 | 19.44 | 16.98 |
| Michigan..... | 4 | 3 | 668 | 461 | 51.8 | 51.4 | .294 | .297 | 15.23 | 15.27 |
| Minnesota and Wisconsin..... | 4 | 4 | 970 | 932 | 48.5 | 48.6 | .413 | .424 | 20.03 | 20.61 |
| New Hampshire and Vermont..... | 3 | 3 | 634 | 501 | 49.4 | 49.3 | .354 | .400 | 17.49 | 19.72 |
| New York..... | 29 | 27 | 4,111 | 4,111 | 49.8 | 48.7 | .357 | .315 | 17.78 | 15.34 |
| North Carolina..... | (1) | 4 | (1) | 478 | (1) | 54.0 | (1) | .222 | (1) | 11.99 |
| Ohio..... | 3 | (1) | 373 | (1) | 49.5 | (1) | .344 | (1) | 17.63 | (1) |
| Pennsylvania..... | 22 | 19 | 1,844 | 1,869 | 51.9 | 52.0 | .326 | .317 | 16.92 | 16.48 |
| Tennessee..... | 3 | 5 | 661 | 1,034 | 54.1 | 54.8 | .266 | .260 | 14.39 | 14.25 |
| Virginia..... | (1) | 3 | (1) | 317 | (1) | 51.6 | (1) | .261 | (1) | 13.47 |
| Total..... | 85 | 84 | 12,188 | 12,251 | 50.1 | 49.8 | .352 | .329 | 17.64 | 16.38 |

¹ No data in this year.² Data for Wisconsin only.

TABLE 3.—Number of establishments and of wage earners and average hours and earnings, 1926 and 1928, by sex and State—Continued

| UNDERWEAR—Continued | | | | | | | | | | |
|-----------------------------------|--------------------------|------|---------------------|--------|----------------------------------|------|---------------------------|---------|-------------------------------------|---------|
| State | Number of establishments | | Number of employees | | Average full-time hours per week | | Average earnings per hour | | Average full-time earnings per week | |
| | 1926 | 1928 | 1926 | 1928 | 1926 | 1928 | 1926 | 1928 | 1926 | 1928 |
| Males and Females | | | | | | | | | | |
| Connecticut and Rhode Island..... | 6 | 6 | 872 | 609 | 51.2 | 50.8 | \$0.381 | \$0.390 | \$19.51 | \$19.81 |
| Georgia..... | 2 | (1) | 149 | (1) | 56.9 | (1) | .197 | (1) | 11.21 | (1) |
| Illinois..... | 3 | 3 | 252 | 444 | 46.6 | 45.8 | .476 | .465 | 22.18 | 21.30 |
| Indiana..... | 2 | 3 | 596 | 393 | 48.1 | 49.7 | .386 | .397 | 18.57 | 19.73 |
| Massachusetts..... | 4 | 4 | 1,657 | 1,562 | 48.1 | 46.2 | .434 | .398 | 20.88 | 18.39 |
| Michigan..... | 4 | 3 | 725 | 527 | 51.8 | 51.4 | .309 | .327 | 16.01 | 16.81 |
| Minnesota and Wisconsin..... | 4 | 4 | 1,168 | 1,059 | 48.8 | 48.6 | .433 | .438 | 21.13 | 21.29 |
| New Hampshire and Vermont..... | 3 | 3 | 780 | 614 | 49.4 | 49.4 | .381 | .422 | 18.82 | 20.85 |
| New York..... | 29 | 27 | 5,371 | 5,302 | 50.0 | 48.8 | .390 | .350 | 19.50 | 17.08 |
| North Carolina..... | (1) | 4 | (1) | 640 | (1) | 54.1 | (1) | .257 | (1) | 13.90 |
| Ohio..... | 3 | (1) | 471 | (1) | 50.0 | (1) | .364 | (1) | 16.02 | (1) |
| Pennsylvania..... | 22 | 19 | 2,150 | 2,192 | 52.0 | 52.2 | .347 | .337 | 18.04 | 17.59 |
| Tennessee..... | 3 | 5 | 857 | 1,291 | 54.3 | 54.9 | .293 | .276 | 15.91 | 15.15 |
| Virginia..... | (1) | 3 | (1) | 423 | (1) | 51.8 | (1) | .301 | (1) | 15.59 |
| Total..... | 85 | 84 | 15,048 | 15,056 | 50.3 | 50.0 | .378 | .354 | 19.01 | 17.70 |

¹ No data in this year.

AVERAGE AND CLASSIFIED EARNINGS PER HOUR, 1913 TO 1928, BY OCCUPATION

The data in Table 4 are average earnings per hour and a percentage distribution or classification by average earnings per hour of the employees in 6 representative occupations in hosiery and in 5 representative occupations in underwear. The figures are for each of the specified years from 1913 to 1928 in which data are available for each of these occupations and represent the trend and the spread of average and classified earnings per hour of the employees in all occupations in all the mills included in the various studies of the industries by the bureau. Average and classified figures for the employees in these occupations are also shown in Tables 5 and 11, and in General Tables B, C, D, and E.

The figures in the table for the employees in the occupations in hosiery are for 4,298 males or 45.7 per cent of all males, for 7,900 females or 41.5 per cent of all the females, and for the males and females combined or 42.9 per cent of the total number of employees in all occupations in the mills that were included in the 1928 study. The 530 males in the 5 occupations in underwear represent 18.9 per cent of all males, the 3,715 females represent 30.3 per cent of the females, and the males and females together represent 28.2 per cent of the total number of wage earners in all occupations in the mills that were included in the 1928 study.

It is seen that data are shown in the table for each of the specified years from 1913 to 1928 for only boarders, male; transfer knitters, female; loopers, female; and for menders, female, in hosiery; and also for web or tube knitters, male, and for seamers, female, in underwear.

(Data for each of the other occupations in the table are only for each of the years of the period in which classified average earnings per hour have been made.) By the classification of the employees in these occupations, it can readily be observed that between the early years (1913 and 1914) and the late years (1919 to 1928) of the period there has been a very great decrease in the per cent of employees at earnings in the low classified groups of "under 10 cents" to "25 and under 30 cents" and an increase in the high groups of "30 and under 35 cents" to "80 cents and over" per hour. Examples: In 1913 only 14 per cent of the boarders, male, earned an average of 30 cents or more per hour and 86 per cent earned less than 30 cents per hour, 1 per cent having earned under 10 cents, 4 per cent 10 and under 12 cents, etc. In 1914 only 19 per cent earned 30 cents or more. In 1919 only 16 per cent earned an average of less than 30 cents per hour, 21 per cent earned 40 and under 50 cents, 22 per cent earned 50 and under 60 cents, 14 per cent earned 60 and under 70 cents, 3 per cent earned 70 and under 80 cents, and less than 1 per cent earned an average of 80 cents and over per hour. Average earnings per hour of boarders, male, increased from 21.9 cents in 1913 to 23 cents in 1914, to 45 cents in 1919, to 46.2 cents in 1922, to 53.1 cents in 1924, decreased to 48.1 cents in 1926, and increased to 52.1 cents in 1928, when approximately 17 per cent earned less than 30 cents, 11 per cent 35 and under 40 cents, 11 per cent 40 and under 45 cents, 8 per cent 45 and under 50 cents, 14 per cent 50 and under 60 cents, 7 per cent 70 and under 80 cents, and 14 per cent earned an average of 80 cents and over per hour.

TABLE 4.—Average and classified earnings per hour of employees in 11 specified occupations, 1913 to 1928, by sex and year

HOSIERY

| Occupation and sex | Year | Number of establishments | Number of employees | Average earnings per hour | Per cent of employees whose earnings per hour were— | | | | | | | | | | | | | | | |
|---|------|--------------------------|---------------------|---------------------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| | | | | | Under 10 cents | 10, under 12 cents | 12, under 14 cents | 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 cents and over |
| Boarders: | | | | | | | | | | | | | | | | | | | | |
| Male..... | 1913 | 41 | 1,172 | \$0.219 | 1 | 4 | 8 | 13 | 11 | 9 | 21 | 21 | 14 | | | | | | | |
| | 1914 | 46 | 1,206 | .230 | 2 | 2 | 5 | 8 | 9 | 11 | 26 | 19 | 19 | | | | | | | |
| | 1919 | 29 | 760 | .450 | | | 1 | 1 | 1 | 1 | 5 | 7 | 25 | | 21 | | 22 | 14 | 3 | |
| | 1922 | 41 | 933 | .462 | 2 | 1 | 1 | 1 | 2 | 2 | 7 | 7 | 20 | | 19 | | 14 | 12 | 8 | |
| | 1924 | 49 | 1,118 | .531 | (⁵) | (⁵) | (⁵) | (⁵) | 1 | 1 | (⁵) | 3 | 4 | 8 | 10 | 11 | 12 | 17 | 12 | |
| | 1926 | 82 | 1,598 | .481 | (⁵) | (⁵) | (⁵) | (⁵) | 2 | 3 | 9 | 8 | 9 | 11 | 10 | 9 | 14 | 8 | 6 | |
| | 1928 | 81 | 1,433 | .521 | (⁵) | (⁵) | (⁵) | (⁵) | (⁵) | 1 | 6 | 9 | 10 | 11 | 11 | 8 | 14 | 8 | 7 | |
| Female..... | 1926 | 32 | 483 | .479 | | 1 | 1 | 3 | 3 | 5 | 7 | 3 | 5 | 7 | 8 | 8 | 18 | 16 | 7 | |
| | 1928 | 38 | 516 | .486 | | 1 | 1 | (⁵) | 2 | 1 | 7 | 5 | 7 | 11 | 10 | 13 | 16 | 14 | 4 | |
| Knitters, footers, full-fashioned: | | | | | | | | | | | | | | | | | | | | |
| Male..... | 1926 | 27 | 696 | 1.511 | | | | | | | | | (⁵) | (⁵) | 1 | (⁵) | 1 | 2 | 2 | |
| | 1928 | 39 | 749 | 1.546 | | | | | | | | | (⁵) | (⁵) | (⁵) | (⁵) | 1 | 1 | 4 | |
| Knitters, leggers, full-fashioned: | | | | | | | | | | | | | | | | | | | | |
| Male..... | 1926 | 28 | 1,897 | 1.286 | | | | | | | (⁵) | (⁵) | (⁵) | 1 | 1 | 1 | 2 | 3 | 3 | |
| | 1928 | 39 | 1,911 | 1.329 | | | | | | | | | (⁵) | (⁵) | (⁵) | 2 | 6 | 5 | 1 | |
| Knitters, transfer: | | | | | | | | | | | | | | | | | | | | |
| Male..... | 1926 | 27 | 330 | .336 | 3 | 2 | 4 | 2 | 3 | 4 | 14 | 15 | 18 | 11 | 8 | 7 | 6 | 3 | 2 | |
| | 1928 | 18 | 205 | .317 | | 1 | 5 | 1 | 3 | 5 | 16 | 20 | 16 | 12 | 10 | 8 | 3 | | | |
| Female..... | 1913 | 36 | 2,905 | .149 | 11 | 14 | 19 | 17 | 17 | 10 | 11 | 1 | (⁵) | | | | | | | |
| | 1914 | 37 | 2,800 | .150 | 13 | 13 | 16 | 16 | 14 | 13 | 13 | 1 | (⁵) | | | | | | | |
| | 1919 | 21 | 1,095 | .272 | | | 4 | 3 | 5 | 7 | 25 | 22 | 29 | | 5 | | 1 | (⁵) | | |
| | 1922 | 46 | 2,143 | .293 | 2 | 2 | 4 | 4 | 5 | 6 | 17 | 15 | 29 | | 13 | | 2 | 1 | (⁵) | |
| | 1924 | 55 | 2,939 | .344 | 1 | 1 | 3 | 4 | 4 | 4 | 13 | 12 | 12 | 13 | 11 | 9 | 9 | | 1 | |
| | 1926 | 72 | 3,058 | .298 | 3 | 3 | 4 | 4 | 6 | 6 | 14 | 13 | 12 | 11 | 9 | 7 | 5 | 1 | (⁵) | |
| | 1928 | 58 | 2,483 | .294 | 2 | 2 | 3 | 5 | 7 | 6 | 15 | 14 | 13 | 13 | 11 | 5 | 3 | (⁵) | | |
| Loopers: | | | | | | | | | | | | | | | | | | | | |
| Female..... | 1913 | 49 | 2,542 | .150 | 14 | 16 | 17 | 15 | 14 | 10 | 12 | 2 | 11 | | | | | | | |
| | 1914 | 49 | 2,626 | .157 | 15 | 13 | 13 | 13 | 12 | 12 | 17 | 4 | 11 | | | | | | | |
| | 1919 | 29 | 1,499 | .296 | | | 4 | 4 | 5 | 6 | 18 | 18 | 31 | | 12 | | 3 | (⁵) | (⁵) | |
| | 1922 | 63 | 2,194 | .327 | 1 | 1 | 2 | 2 | 4 | 5 | 15 | 14 | 29 | | 16 | | 7 | 3 | 1 | |
| | 1924 | 80 | 2,832 | .384 | (⁵) | 1 | 2 | 2 | 3 | 3 | 10 | 10 | 12 | 14 | 13 | 11 | 10 | 6 | 2 | |
| | 1926 | 101 | 3,753 | .371 | 2 | 1 | 2 | 3 | 4 | 4 | 12 | 12 | 12 | 11 | 9 | 7 | 11 | 6 | 3 | |
| | 1928 | 105 | 3,607 | .385 | (⁵) | 1 | 2 | 2 | 3 | 4 | 12 | 12 | 13 | 12 | 8 | 8 | 10 | 7 | 3 | |
| Menders:⁷ | | | | | | | | | | | | | | | | | | | | |
| Female..... | 1913 | 39 | 1,174 | .142 | 14 | 20 | 23 | 14 | 11 | 7 | 10 | 1 | (⁵) | | | | | | | |
| | 1914 | 39 | 1,176 | .149 | 11 | 15 | 17 | 17 | 17 | 10 | 11 | 1 | (⁵) | | | | | | | |
| | 1922 | 59 | 1,084 | .328 | 1 | 1 | 2 | 2 | 2 | 4 | 14 | 19 | 32 | | 13 | | 8 | 2 | 1 | |
| | 1924 | 126 | 1,598 | .367 | (⁵) | 2 | 1 | 1 | 1 | 3 | 12 | 17 | 12 | 12 | 9 | 9 | 11 | 5 | 1 | |
| | 1926 | 98 | 1,362 | .389 | 1 | 2 | 3 | 3 | 3 | 3 | 12 | 9 | 11 | 10 | 9 | 9 | 15 | 5 | 4 | |
| | 1928 | 103 | 1,294 | .387 | 1 | 1 | 2 | 3 | 4 | 3 | 12 | 11 | 11 | 9 | 9 | 10 | 15 | 7 | 3 | |

For footnotes, see next page.

TABLE 4.—Average and classified earnings per hour of employees in 11 specified occupations, 1913 to 1928, by sex and year—Continued

UNDERWEAR

| Occupation and sex | Year | Number of establishments | Number of employees | Average earnings per hour | Per cent of employees whose earnings per hour were— | | | | | | | | | | | | | | | |
|-------------------------------|------|--------------------------|---------------------|---------------------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| | | | | | Under 10 cents | 10, under 12 cents | 12, under 14 cents | 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 cents and over |
| | | | | | | | | | | | | | | | | | | | | |
| Buttonhole makers: | | | | | | | | | | | | | | | | | | | | |
| Female..... | 1926 | 73 | 364 | \$.354 | (⁶) | 1 | 1 | 2 | 4 | 10 | 14 | 18 | 16 | 15 | 10 | 8 | 3 | | | |
| | 1928 | 76 | 369 | .340 | | 1 | 2 | 2 | 4 | 12 | 19 | 16 | 12 | 15 | 6 | 8 | 2 | | 1 | |
| Folders:³ | | | | | | | | | | | | | | | | | | | | |
| Female..... | 1924 | 118 | 1,116 | .346 | (⁶) | 1 | 2 | 3 | 3 | 14 | 14 | 16 | 15 | 12 | 9 | 8 | 2 | (⁶) | (⁶) | |
| | 1926 | 61 | 463 | .365 | | (⁶) | 1 | 2 | 2 | 9 | 15 | 17 | 19 | 13 | 8 | 10 | 3 | (⁶) | 1 | |
| | 1928 | 66 | 488 | .343 | | (⁶) | 1 | 3 | 2 | 11 | 19 | 16 | 16 | 14 | 10 | 6 | 1 | (⁶) | (⁶) | |
| Knitters, web or tube: | | | | | | | | | | | | | | | | | | | | |
| Male..... | 1913 | 22 | 250 | .249 | 2 | 2 | 2 | 5 | 5 | 6 | 31 | 25 | ¹ 22 | | | | | | | |
| | 1914 | 35 | 386 | .229 | 3 | 4 | 6 | 6 | 4 | 9 | 29 | 27 | ¹ 12 | | | | | | | |
| | 1919 | 18 | 200 | .407 | | | | | | | 4 | 8 | ³ 39 | | 14 | 1 | | | | |
| | 1922 | 41 | 399 | .448 | | | | 1 | (⁶) | | 4 | 9 | ³ 20 | | ⁴ 35 | | 14 | 7 | 3 | |
| | 1924 | 55 | 454 | .528 | | | | | 1 | 2 | 3 | 5 | | 5 | 14 | 8 | 29 | 23 | 6 | |
| | 1926 | 67 | 393 | .534 | | | | | (⁶) | 1 | 2 | 5 | | 9 | 12 | 9 | 31 | 20 | 7 | |
| | 1928 | 73 | 446 | .490 | | | | | | 2 | 4 | 6 | 13 | 14 | 15 | 27 | 13 | 5 | 2 | |
| Female..... | 1926 | 47 | 275 | .379 | | | 1 | 1 | | 7 | 11 | 20 | 20 | 19 | 9 | 9 | 2 | (⁶) | (⁶) | |
| | 1928 | 35 | 198 | .378 | | | 2 | | | 7 | 12 | 21 | 19 | 14 | 12 | 13 | 1 | | 1 | |
| Pressers: | | | | | | | | | | | | | | | | | | | | |
| Male..... | 1926 | 38 | 92 | .455 | | | | | | | 8 | 12 | 11 | 22 | 12 | 25 | 4 | | 5 | |
| | 1928 | 43 | 84 | .401 | | | | | | 6 | 8 | 20 | 18 | 18 | 11 | 10 | 6 | 1 | 1 | |
| Female..... | 1926 | 50 | 236 | .346 | (⁶) | | | | | 2 | 13 | 14 | 31 | 13 | 9 | 7 | 10 | 1 | | |
| | 1928 | 46 | 235 | .376 | | | | (⁶) | | 1 | 11 | 8 | 19 | 18 | 17 | 9 | 13 | 3 | | |
| Seamers: | | | | | | | | | | | | | | | | | | | | |
| Female..... | 1913 | 29 | 1,561 | .176 | 5 | 9 | 13 | 14 | 15 | 14 | 22 | 7 | ¹ 2 | | | | | | | |
| | 1914 | 29 | 1,589 | .183 | 5 | 7 | 10 | 14 | 15 | 14 | 25 | 8 | ¹ 3 | | | | | | | |
| | 1922 | 50 | 2,192 | .325 | (⁶) | (⁶) | 1 | 1 | 3 | 4 | 15 | 17 | ³ 35 | | ⁴ 17 | | 5 | 1 | (⁶) | |
| | 1924 | 67 | 2,200 | .372 | (⁶) | (⁶) | 1 | 1 | 2 | 2 | 9 | 13 | 15 | 16 | 15 | 11 | 10 | 2 | (⁶) | |
| | 1926 | 84 | 2,377 | .374 | (⁶) | (⁶) | 1 | 2 | 1 | 2 | 10 | 13 | 15 | 15 | 11 | 12 | 3 | 1 | 1 | |
| | 1928 | 84 | 2,425 | .355 | (⁶) | 1 | 1 | 2 | 2 | 3 | 12 | 14 | 16 | 14 | 12 | 10 | 9 | 3 | (⁶) | |

¹ Tabulated in former reports as "30 cents and over."² Tabulated in former reports as "Under 14 cents."³ Tabulated in former reports as "30 and under 40 cents."⁴ Tabulated in former reports as "40 and under 50 cents."⁵ Less than 1 per cent.⁶ Tabulated in former reports as "30 cents and over," and is less than 1 per cent.⁷ Tabulated as "Menders, hosiery and underwear," 1913 to 1924.⁸ Tabulated as "Folders, hosiery and underwear" in 1924.

FULL-TIME HOURS PER WEEK, 1913 TO 1928, BY OCCUPATION

The regular or customary full-time hours of a hosiery or underwear 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 for midday lunch or dinner.

Table 5 shows the per cent of employees in each of 6 representative occupations in hosiery and of 5 in underwear at each classified group of full-time hours per week; it also shows the average full-time hours per week for each of the specified years from 1913 to 1928 for which data are available.

In 1913, when the average full-time hours of the 1,172 boarders, male, in the occupation in that year were 55.8 per week, the regular or customary hours per week of only 1 per cent of them were over 48 and under 54, of 27 per cent were 54, of 46 per cent were over 54 and under 57, of 14 per cent were 57 and under 60, and of 12 per cent were 60. The average full-time hours per week decreased to 55.3 in 1914, to 52.5 in 1919, and to 51.3 in 1922, when the hours of 6 per cent of the 933 included in that year were under 48 per week, of 27 per cent were 48, of 26 per cent were over 48 and under 54, of 9 per cent were 54, of 32 per cent were over 54 and under 57 and of only 1 per cent were 60. The average full-time hours per week increased to 51.9 in 1924, to 53.4 in 1926, and to 53.8 in 1928, when the hours of 13 per cent were 48, of 26 per cent were over 48 and under 54, of 7 per cent were 54, of 38 per cent were over 54 and under 57, of 9 per cent were over 57 and under 60, of 7 per cent were 60, and of less than 1 per cent were over 60. This explanation of the figures for boarders, male, may also be used in reading the average and classified hours for the other occupations in the table.

TABLE 5.—Average and classified full-time hours per week of employees in 11 specified occupations, 1913 to 1928, by sex and year

HOSIERY

| Occupation and sex | Year | Number of establishments | Number of employees | Average full-time hours per week | Per cent of employees whose full-time hours per week were— | | | | | | | | |
|---|------|--------------------------|---------------------|----------------------------------|--|----|-------------------|----|-------------------|--------------|---------|--|-----|
| | | | | | Under 48 | 48 | Over 48, under 54 | 54 | Over 54, under 57 | 57, under 60 | Over 60 | | |
| | | | | | | | | | | | | | |
| Boarders: | | | | | | | | | | | | | |
| Male | 1913 | 41 | 1,172 | 55.8 | | | 1 | 27 | 46 | 14 | 12 | | |
| | 1914 | 46 | 1,206 | 55.3 | | | 7 | 43 | 29 | 16 | 6 | | |
| | 1919 | 29 | 760 | 52.5 | | 35 | 19 | 13 | 13 | 11 | 10 | | |
| | 1922 | 41 | 933 | 51.3 | 6 | 27 | 26 | 9 | 32 | | 1 | | |
| | 1924 | 49 | 1,118 | 51.9 | | 24 | 37 | 7 | 29 | | 3 | | |
| | 1926 | 82 | 1,598 | 53.4 | 2 | 11 | 29 | 7 | 39 | 8 | 5 | | |
| | 1928 | 81 | 1,433 | 53.8 | | 13 | 26 | 7 | 38 | 9 | 7 | | (1) |
| Female | 1919 | 8 | 75 | 52.0 | 7 | 21 | 25 | | 39 | 8 | | | |
| | 1922 | 20 | 264 | 50.2 | | 57 | 19 | 1 | 24 | | | | |
| | 1924 | 26 | 313 | 50.4 | 9 | 28 | 49 | 8 | 7 | | | | |
| | 1926 | 32 | 483 | 50.0 | 6 | 26 | 52 | | 15 | 1 | | | |
| | 1928 | 38 | 516 | 50.0 | 8 | 37 | 39 | 4 | 12 | | | | |
| Knitters, footers, full-fashioned: | | | | | | | | | | | | | |
| Male | 1926 | 27 | 696 | 51.0 | 7 | 35 | 27 | 5 | 25 | | | | (1) |
| | 1928 | 39 | 749 | 50.1 | 3 | 43 | 42 | 10 | 1 | 1 | | | |
| Knitters, leggers, full-fashioned: | | | | | | | | | | | | | |
| Male | 1926 | 28 | 1,897 | 51.1 | 7 | 34 | 31 | 3 | 19 | | 6 | | 1 |
| | 1928 | 39 | 1,911 | 50.7 | 5 | 41 | 28 | 10 | 11 | 1 | 4 | | |
| Knitters, transfer: | | | | | | | | | | | | | |
| Male | 1913 | 14 | 314 | 53.0 | | | | 8 | 16 | 36 | 40 | | |
| | 1914 | 16 | 305 | 56.3 | 1 | | 3 | 23 | 22 | 44 | 8 | | 7 |
| | 1919 | 10 | 122 | 54.3 | | 29 | 7 | 16 | 23 | 11 | 7 | | |
| | 1922 | 15 | 137 | 52.5 | 1 | 18 | 41 | 26 | 9 | | | | 6 |
| | 1924 | 18 | 175 | 51.1 | 3 | 4 | 69 | 6 | 17 | | | | |
| | 1926 | 27 | 330 | 54.1 | | 1 | 31 | 5 | 53 | 4 | 2 | | 4 |
| | 1928 | 18 | 205 | 53.8 | | | 42 | 9 | 40 | 3 | 5 | | (1) |
| Female | 1913 | 37 | 2,905 | 56.0 | (1) | | 2 | 15 | 50 | 24 | 9 | | |
| | 1914 | 37 | 2,800 | 54.9 | (1) | | 22 | 37 | 20 | 16 | 4 | | |
| | 1919 | 21 | 1,095 | 53.0 | | 21 | 22 | 18 | 23 | 4 | 13 | | |
| | 1922 | 46 | 2,143 | 50.7 | 3 | 28 | 46 | 6 | 13 | 4 | | | |
| | 1924 | 55 | 2,939 | 50.8 | 4 | 17 | 59 | 3 | 15 | | 1 | | |
| | 1926 | 72 | 3,058 | 52.5 | 1 | 11 | 45 | 5 | 35 | 2 | 2 | | |
| | 1928 | 58 | 2,483 | 53.1 | 2 | 7 | 36 | 11 | 41 | 2 | (1) | | |
| Loopers: | | | | | | | | | | | | | |
| Female | 1913 | 49 | 2,542 | 56.0 | | | 1 | 24 | 43 | 20 | 11 | | |
| | 1914 | 49 | 2,626 | 54.8 | 1 | | 10 | 53 | 19 | 12 | 4 | | |
| | 1919 | 29 | 1,499 | 52.2 | | 32 | 24 | 18 | 13 | 8 | 5 | | |
| | 1922 | 63 | 2,194 | 50.8 | 1 | 35 | 39 | 6 | 19 | | | | |
| | 1924 | 80 | 2,832 | 50.8 | 4 | 26 | 48 | 7 | 15 | | 1 | | |
| | 1926 | 101 | 3,753 | 52.4 | 3 | 15 | 43 | 6 | 23 | 9 | 2 | | |
| | 1928 | 105 | 3,607 | 53.0 | 1 | 14 | 36 | 8 | 30 | 8 | 3 | | |
| Menders:¹ | | | | | | | | | | | | | |
| Female | 1913 | 39 | 1,174 | 56.0 | | 1 | 2 | 20 | 42 | 22 | 13 | | |
| | 1914 | 39 | 1,176 | 55.0 | (1) | | 6 | 46 | 30 | 12 | 5 | | |
| | 1922 | 59 | 1,084 | 50.6 | 2 | 29 | 50 | 5 | 14 | | | | |
| | 1924 | 126 | 1,598 | 50.6 | 3 | 27 | 49 | 9 | 10 | | 1 | | |
| | 1926 | 98 | 1,362 | 50.8 | 4 | 27 | 49 | 4 | 10 | 5 | (1) | | |
| | 1928 | 103 | 1,294 | 51.4 | 3 | 28 | 40 | 6 | 15 | 6 | 1 | | |

¹ Less than 1 per cent.² Tabulated as "Menders, hosiery and underwear," 1913 to 1924.

TABLE 5.—Average and classified full-time hours per week of employees in 11 specified occupations, 1913 to 1928, by sex and year—Continued

UNDERWEAR

| 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 | | Over 48, under 54 | | Over 54, under 57 | | 57, under 60 | Over 60 | | | | | | | |
| | | | | | Under 48 | 48 | Over 48, under 54 | 54 | Over 54, under 57 | 57, under 60 | Over 60 | | | | | | | | |
| Buttonhole makers: | | | | | | | | | | | | | | | | | | | |
| Female..... | 1913 | 28 | 226 | 54.9 | | | | 72 | 11 | 17 | (1) | | | | | | | | |
| | 1914 | 42 | 330 | 54.5 | | | | 78 | 12 | 8 | 1 | | | | | | | | |
| | 1919 | 24 | 203 | 51.6 | 1 | 18 | 39 | 28 | 9 | 4 | | | | | | | | | |
| | 1922 | 49 | 349 | 50.4 | | 43 | 30 | 14 | 12 | 1 | | | | | | | | | |
| | 1924 | 66 | 404 | 50.2 | 4 | 37 | 33 | 19 | 6 | 1 | | | | | | | | | |
| | 1926 | 73 | 364 | 50.2 | 4 | 37 | 36 | 16 | 7 | 1 | | | | | | | | | |
| | 1928 | 76 | 369 | 50.1 | 7 | 33 | 44 | 7 | 5 | 4 | 1 | | | | | | | | |
| Folders:³ | | | | | | | | | | | | | | | | | | | |
| Female..... | 1924 | 118 | 1,116 | 50.8 | 5 | 28 | 40 | 11 | 16 | | (1) | | | | | | | | |
| | 1926 | 61 | 463 | 50.4 | 3 | 34 | 36 | 16 | 10 | | | | | | | | | | |
| | 1928 | 66 | 488 | 50.3 | 6 | 32 | 40 | 10 | 7 | 4 | 1 | | | | | | | | |
| Knitters, web or tube: | | | | | | | | | | | | | | | | | | | |
| Male..... | 1913 | 22 | 250 | 55.4 | | | | 56 | 22 | 13 | 4 | | | | | | | | 4 |
| | 1914 | 35 | 386 | 55.7 | | | | 50 | 25 | 10 | 11 | | | | | | | | 4 |
| | 1919 | 18 | 200 | 52.9 | 5 | 32 | 6 | 22 | 13 | 7 | 17 | | | | | | | | |
| | 1922 | 41 | 399 | 51.8 | | 37 | 19 | 21 | 17 | 1 | 3 | | | | | | | | 3 |
| | 1924 | 55 | 454 | 51.3 | 3 | 39 | 22 | 20 | 6 | 2 | 6 | | | | | | | | 2 |
| | 1926 | 67 | 393 | 52.0 | 2 | 35 | 27 | 13 | 10 | 3 | 7 | | | | | | | | 3 |
| | 1928 | 73 | 446 | 52.2 | 3 | 29 | 31 | 10 | 9 | 6 | 8 | | | | | | | | 4 |
| Female..... | 1913 | 15 | 183 | 55.1 | | | | 58 | 20 | 20 | 2 | | | | | | | | |
| | 1914 | 21 | 237 | 54.4 | 2 | | | 78 | 12 | 8 | | | | | | | | | |
| | 1919 | 22 | 295 | 51.7 | 2 | 14 | 45 | 23 | 16 | | 1 | | | | | | | | |
| | 1922 | 25 | 263 | 49.3 | 2 | 54 | 33 | 2 | 8 | | | | | | | | | | |
| | 1924 | 34 | 290 | 49.0 | 4 | 56 | 36 | 3 | 2 | | | | | | | | | | |
| | 1926 | 47 | 275 | 49.6 | 5 | 43 | 39 | 9 | 4 | | | | | | | | | | |
| | 1928 | 35 | 198 | 49.7 | 10 | 29 | 53 | 5 | 4 | | | | | | | | | | |
| Pressers:⁴ | | | | | | | | | | | | | | | | | | | |
| Male..... | 1913 | 39 | 202 | 56.0 | | | | 31 | 39 | 12 | 18 | | | | | | | | |
| | 1914 | 49 | 214 | 55.6 | | | 5 | 36 | 31 | 20 | 8 | | | | | | | | |
| | 1919 | 30 | 115 | 53.8 | 6 | 13 | 13 | 10 | 35 | 14 | 10 | | | | | | | | |
| | 1922 | 53 | 243 | 51.4 | 2 | 33 | 21 | 14 | 29 | (1) | | | | | | | | | |
| | 1924 | 69 | 190 | 51.0 | 3 | 29 | 36 | 17 | 12 | 1 | 3 | | | | | | | | |
| | 1926 | 38 | 92 | 50.3 | 2 | 41 | 32 | 14 | 9 | 2 | | | | | | | | | |
| | 1928 | 43 | 84 | 50.9 | 2 | 35 | 37 | 7 | 13 | | 6 | | | | | | | | |
| Female..... | 1919 | 15 | 188 | 50.3 | | 40 | 38 | 19 | 3 | 1 | | | | | | | | | |
| | 1922 | 25 | 230 | 48.9 | | 69 | 23 | 1 | 6 | | | | | | | | | | |
| | 1924 | 33 | 141 | 49.1 | 4 | 47 | 41 | 4 | 4 | | | | | | | | | | |
| | 1926 | 50 | 236 | 50.3 | 3 | 33 | 36 | 27 | (1) | | | | | | | | | | |
| | 1928 | 46 | 235 | 50.3 | 2 | 36 | 41 | 18 | (1) | 2 | | | | | | | | | |
| Seamers: | | | | | | | | | | | | | | | | | | | |
| Female..... | 1913 | 29 | 1,561 | 54.5 | | | | 81 | 10 | 9 | (1) | | | | | | | | |
| | 1914 | 29 | 1,589 | 54.1 | (1) | | | 90 | 10 | | | | | | | | | | |
| | 1919 | 36 | 1,562 | 51.3 | 2 | 19 | 47 | 22 | 6 | 2 | 1 | | | | | | | | |
| | 1922 | 50 | 2,192 | 50.3 | (1) | 47 | 27 | 18 | 7 | 1 | | | | | | | | | |
| | 1924 | 67 | 2,200 | 50.3 | 1 | 40 | 34 | 19 | 4 | 1 | | | | | | | | | |
| | 1926 | 84 | 2,377 | 50.2 | 2 | 39 | 34 | 19 | 4 | 1 | | | | | | | | | |
| | 1928 | 84 | 2,425 | 50.2 | 5 | 34 | 43 | 11 | 3 | 3 | 1 | | | | | | | | |

¹ Less than 1 per cent.
³ Tabulated as "Folders, hosiery and underwear" in 1924.
⁴ Tabulated as "Pressers, hosiery and underwear," male, 1913 to 1924; female, 1919 to 1924.

Regular or customary hours of operation per week and per day, Monday to Friday, and Saturday, in 1928, and the number of mills in each State at each specified number of such hours are shown in Table 6 for hosiery and also for underwear. In a comparatively few mills the hours of a small per cent of the employees or the employees in a few occupations vary from the hours of a majority of the employees in such mills. The hours in the table for such mills are the prevailing hours of the majority of the employees.

The hours per week in the 108 hosiery mills in 1928 ranged from 44 to 60, and per day, Monday to Friday, from 8 to 11, and on Saturday, in 104 mills ranged from 3½ to 9. Four mills, 3 in Pennsylvania and 1 in Tennessee, with 1,240 wage earners, were 5-day week establishments with no work on Saturday. In 27 mills, or 25 per cent of the total number, hours per week were 48. The hours in 1 mill were 8 per day, Monday to Friday, and 4 Saturday, or 44 per week; in 18 were 8¾ Monday to Friday and 4¼ Saturday, or 48 per week; in 22 were 10 Monday to Friday and 5 Saturday, or 55 per week; and in 1 were 11 Monday to Friday and 5 Saturday, or 60 per week.

The hours per week in the 84 underwear mills ranged from 45 to 60; per day, Monday to Friday, ranged from 8 to 11, and on Saturday in 82 ranged from 4 to 5½. Two mills in New York with 347 employees were 5-day week establishments with no work on Saturday.

TABLE 6.—Classification of establishments in each State, by full-time hours per week and per day, 1928

HOSIERY

| Full-time hours per week | Full-time hours per day | | | Number of establishments in— | | | | | | | | | | | | | Total | | | | | | | |
|--------------------------|-------------------------|--------|----------|------------------------------|---------|----------|---------|-----------|----------|---------------|-----------|-----------|---------------|------------|-----------|----------------|-------|--------------|-----------|----------------|--------------|---------------|-----------|----------|
| | Monday to Thursday | Friday | Saturday | Alabama | Georgia | Illinois | Indiana | Louisiana | Maryland | Massachusetts | Michigan | Minnesota | New Hampshire | New Jersey | New York | North Carolina | | Pennsylvania | Tennessee | Vermont | Virginia | West Virginia | Wisconsin | |
| | | | | Monday to Thursday | Friday | Saturday | Alabama | Georgia | Illinois | Indiana | Louisiana | Maryland | Massachusetts | Michigan | Minnesota | New Hampshire | | New Jersey | New York | North Carolina | Pennsylvania | Tennessee | Vermont | Virginia |
| 44 | 8 | 8 | 4 | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| 47 | 8½ | 8½ | 4½ | | | | 1 | | | | | | | | | | | | | | | | | 2 |
| 47¾ | 8¾ | 8¾ | 4 | | | | | | | | | | | | | | | | | | | | | 2 |
| 48 | 8¾ | 8¾ | 4½ | | | | | | | | | | | 2 | 2 | | | | | | | | | 2 |
| | 8¾ | 8¾ | 4½ | | | | | | | | | | | | | | | | | | | | | 2 |
| | 8¾ | 8¾ | 4½ | | | | 1 | | | | | | | | | | | | | | | | | 18 |
| 48 | 8¾ | 8¾ | 4 | | | | | | | | | | 1 | | | | | | | | | | | 1 |
| | 8¾ | 8¾ | 3¾ | | | | | | | | | | | 1 | 1 | | | | | | | | | 2 |
| | 8¾ | 8¾ | 3¾ | | | | | | | | | | | | | | | | | | | | | 1 |
| 48 | 8¾ | 8¾ | 0 | | | | | | | | | | | | | | | | | | | | | 1 |
| | 8¾ | 8¾ | 0 | | | | | | | | | | | | | | | | | | | | | 1 |
| | 8¾ | 8¾ | 0 | | | | | | | | | | | | | | | | | | | | | 1 |
| 48¾ | 8¾ | 8¾ | 4½ | | | | | | | | | | | | | | | | | | | | 1 | |
| 48¾ | 8¾ | 8¾ | 4½ | | | | | | | | | | | | | | | | | | | | 1 | |
| 49½ | 9 | 9 | 4½ | | | | | | | | | 1 | | | | | | | | | | | 1 | 3 |
| 50 | 9 | 9 | 5 | | | 1 | 2 | | 1 | | | | | | | | | | | | | | 4 | 10 |
| 50¾ | 9¾ | 9¾ | 4½ | | | | | | | | | | | | | | 1 | | | | | | | 1 |
| 51 | 9¾ | 9¾ | 4¾ | | | | | | | | | 1 | | | | | 1 | | | | | | | 2 |
| 51¾ | 9¾ | 9¾ | 5 | | | | | 1 | | | | | | | | | | | | | | | | 1 |
| 52½ | 9½ | 9½ | 5 | | 1 | | | | | | | 1 | | | | | | | | | | | | 9 |
| | 10½ | 10½ | 0 | | | | | | | | | | 1 | | | | | 6 | | | | | | 1 |
| 53 | 9½ | 9½ | 5½ | | | 1 | | | | | | | | | | | | 1 | | | | | | 1 |
| | 9½ | 9½ | 5 | | | | | | | | | | 1 | | | | | | | | | | | 1 |
| 53½ | 9½ | 9½ | 5½ | | | | | | | | | | | | | | 1 | | | | | | | 1 |
| 53¾ | 9¾ | 9¾ | 5 | | | | | | | | | | | | | | | | | | | | | 2 |
| | 9¾ | 9¾ | 5¼ | | | 1 | | | | | | | | | | | 3 | | | | | | | 4 |
| 54 | 9¾ | 9¾ | 5 | | | | | | | | | | | | | | 1 | | | | | | | 1 |
| | 10 | 10 | 4 | | | | | | | | | | | | | | 1 | | | | | | | 2 |
| 55 | 10 | 10 | 5 | | 1 | 3 | | | | | | | | | | | | | | | | | | 2 |
| 55½ | 10 | 10 | 5½ | | | | | 1 | | | | | | | | 11 | | 3 | | | 1 | 2 | | 22 |
| 56 | 10 | 10 | 6 | | | 1 | | | | | | | | | | | | | | | | | | 2 |
| 57 | 10½ | 10½ | 5½ | | | | | | | | | | | | | | | | | | | | | 2 |
| 57¾ | 10½ | 10½ | 5¾ | | | | | | | | | | | | | | | | | | | | | 1 |
| 58 | 10½ | 10½ | 5½ | | | 1 | | | | | | | | | | 1 | | | | | | | | 1 |
| 59 | 10 | 10 | 9 | | | | 3 | | | | | | | | | | | | | | | | | 3 |
| 60 | 10½ | 10½ | 5½ | | | | | | | | | | | | | 1 | | | | | | | | 1 |
| | 11 | 11 | 5 | | | | | | | | | | | | | 1 | | | | | | | | 1 |
| Total | | | | 2 | 7 | 6 | 3 | 2 | 2 | 7 | 3 | 1 | 5 | 4 | 4 | 14 | 24 | 13 | 1 | 3 | 2 | 5 | | 108 |

10½ hours on Monday.

TABLE 6.—Classification of establishments in each State, by full-time hours per week and per day, 1928—Continued

UNDERWEAR

| Full-time hours per week | Full-time hours per day | | | Number of establishments in— | | | | | | | | | | | | Total | | | |
|--------------------------|-------------------------|--------|----------|------------------------------|----------|---------|---------------|----------|-----------|---------------|----------|----------------|--------------|--------------|-----------|-------|---------|----------|-----------|
| | Monday to Thursday | Friday | Saturday | Connecticut | Illinois | Indiana | Massachusetts | Michigan | Minnesota | New Hampshire | New York | North Carolina | Pennsylvania | Rhode Island | Tennessee | | Vermont | Virginia | Wisconsin |
| 45 | 8 | 8 | 5 | | 1 | | | | | | 2 | | | | | | | | 1 |
| 46½ | 8½ | 8½ | 4 | | 1 | | | | | | | | | | | | | | 1 |
| 47 | 8½ | 8½ | 4½ | | 1 | 1 | | | | | | | | | | | | | 2 |
| 48 | 8½ | 8½ | 4½ | | | | 4 | | 1 | 1 | 9 | | | 1 | | | | 1 | 16 |
| 49 | 8½ | 8½ | 4½ | | | | | 1 | 1 | | | | | | | | | | 1 |
| 49½ | 9 | 9 | 4 | 1 | | | | | | | 3 | | | | | | | | 4 |
| 49½ | 9 | 9 | 4½ | | | | | | | | 6 | | | | | | | | 7 |
| 49½ | 9 | 9 | 4½ | | | | | | | | 1 | | | | | | | | 1 |
| 50 | 9 | 9 | 5 | 2 | | 1 | | | | | 2 | | | | | 2 | | | 13 |
| 50¼ | 9¼ | 9¼ | 4 | | | | | | | | 1 | | | | | | | | 1 |
| 50¾ | 9¼ | 9¼ | 4½ | | | | | | | | 1 | | | | | | | | 1 |
| 51 | 9¼ | 9¼ | 4¾ | | | | | 1 | | | 1 | | | | | | | | 1 |
| 51 | 9½ | 9½ | 4 | | | | | | | | | | 1 | | | | | | 1 |
| 51½ | 9½ | 9½ | 5 | | | | | | | | 1 | | | | 1 | | | | 5 |
| 52½ | 9½ | 9½ | 4 | | | | | | | | | | 1 | | | | | | 1 |
| 53½ | 9¾ | 9¾ | 4¾ | | | | | | | | | | 1 | | | | | | 1 |
| 53¾ | 9¾ | 9¾ | 5 | | | | | | | | | | 1 | | | | | | 1 |
| 53½ | 9¾ | 9¾ | 4¾ | | | | | | | | | | 1 | | | | | | 1 |
| 53½ | 9¾ | 9¾ | 5¼ | | | | | | | | | | 1 | | | | 1 | | 3 |
| 54 | 9¾ | 9¾ | 5 | | | | | | | | 2 | | | | 1 | | | | 2 |
| 54 | 9¾ | 9¾ | 4½ | | | | | 1 | | | | | | 1 | | | | | 2 |
| 55 | 10 | 10 | 4 | | | | | | | | | 5 | | | | | | | 5 |
| 55 | 10 | 10 | 5 | 1 | | 1 | | | | | | 2 | | | 1 | | 1 | | 6 |
| 57 | 10¼ | 10¼ | 5½ | | | | | | | | | | | | 1 | | | | 1 |
| 57 | 10½ | 10½ | 4½ | | | | | | | | | | | | 1 | | | | 1 |
| 60 | 11 | 11 | 5 | | | | | | | | | 1 | | | | | | | 1 |
| Total | | | | 4 | 3 | 3 | 4 | 3 | 2 | 1 | 27 | 4 | 19 | 2 | 5 | 2 | 3 | 2 | 84 |

CHANGES IN FULL-TIME HOURS SINCE SEPTEMBER 1, 1926

Full-time hours per week of all or part of the employees in 7 hosiery and in 12 underwear mills were changed between September 1, 1926, and the period of the 1928 study of these industries. There was no change in the hours of any of the employees in the other 101 hosiery and 72 underwear mills for which data are shown in this report.

In 1 hosiery mill the hours of knitters, knitters' helpers, and machine fixers were increased from 44 to 50 per week, and of toppers were increased from 44 to 49½ per week. The hours of the other employees in this mill were not changed. In 1 underwear mill the hours of all employees were increased from 48 to 49⅓ per week. In 6 hosiery and in 11 underwear mills the hours of all or part of the employees were reduced as shown in the following table.

TABLE 7.—Change in regular or customary full-time hours per week since September 1, 1926

| | | Hours per week | |
|--------------------------|---|----------------|--------------|
| | | Before change | After change |
| HOSIERY | | | |
| Number of establishments | Employees whose hours were changed | | |
| 1..... | {Knitters, knitters' helpers, and machine fixers..... | 44 | 50 |
| 1..... | {Toppers..... | 44 | 49½ |
| 1..... | All employees..... | 48½ | 48 |
| 1..... | do..... | 54 | 52½ |
| 1..... | do..... | 55 | 50 |
| 1..... | Night workers in full-fashioned department..... | 50 | 48 |
| 1..... | All females..... | 54 | 49½ |
| 1..... | Knitters and machine fixers..... | 60 | 55 |
| UNDERWEAR | | | |
| 1..... | All employees..... | 48 | 49½ |
| 1..... | do..... | 54 | 50½ |
| 3..... | do..... | 54 | 49 |
| 2..... | do..... | 50 | 49½ |
| 1..... | do..... | 50 | 45 |
| 1..... | All females..... | 54 | 50½ |
| 2..... | do..... | 54 | 49½ |
| 1..... | do..... | 48 | 45 |

¹ For 6 months each year.

CHANGES IN WAGE RATES SINCE SEPTEMBER 1, 1926

Between September 1, 1926, and the period of the 1928 study the wage rates of all or part of the employees in 18 hosiery and in 21 underwear mills were decreased or increased. During this period there was no change in the wage rates of any of the employees in 90 of the hosiery mills nor in 63 of the underwear mills included in the 1928 study.

As shown in Table 8, wage rates were decreased in 16 and increased in 2 hosiery mills. The decreases ranged from 1 per cent in the rates of boarders and loopers in 1 mill to 40 per cent in the rates of full-fashioned knitters in 1 mill. The rates of all employees in the knitting departments in 1 mill were increased 6½ per cent and of 6 employees in another mill who were paid weekly rates were increased 20 per cent. In 1 mill the rates of full-fashioned knitters, leggers, were reduced 11½ per cent, of full-fashioned knitters, footers, were reduced 5½ per cent, and of full-fashioned toppers were reduced 1½ per cent.

The wage rates of all employees in 17 underwear mills were reduced 10 per cent, of all employees in 1 mill were reduced 5 per cent, and of seamers and finishers in 1 mill were reduced 3 per cent. In 1 mill wage rates of all employees who were paid weekly rates were changed to hourly rates. The change made a reduction of one-half hour's pay per week based on full-time work. In 1 mill the full-time hours were changed from 48 per week for 12 months to 48 per week for 6 months and 45 per week for 6 months. In this mill the rates of all female time workers were increased by the payment of the same rate for 45 hours as was paid for 48 hours.

TABLE 8.—Changes in wage rates since September 1, 1926

| Number of establishments that made rate changes. | Employees whose rates were changed | Per cent of change | |
|--|---|--------------------|----------|
| | | Decrease | Increase |
| 1 | Full-fashioned knitters | 40 | |
| 3 | All employees | 10 | |
| 2 | All productive employees | 10 | |
| 1 | Full-fashioned knitters, leggers, and footers, knitters' helpers, and toppers | 10 | |
| 1 | Pieceworkers | 8½ | |
| 1 | do | 6 | |
| 1 | Full-fashioned knitters, leggers, and footers | 5 | |
| 1 | do | 4 | |
| 1 | do | 3½ | |
| 1 | Boarders and loopers | 1 | |
| 1 | Full-fashioned knitters, leggers | 11½ | |
| 1 | Full-fashioned knitters, footers | 5½ | |
| 1 | Full-fashioned toppers | 1½ | |
| 1 | Boarders | 10 | |
| 1 | Full-fashioned knitters, footers | 3¾ | |
| 1 | Full-fashioned knitters, leggers | 8½ | |
| 1 | Automatic and transfer knitters | 6¼ | |
| 1 | Loopers | 15½ | |
| 1 | Seamers | 17½ | |
| 1 | Six employees who were paid weekly rate | | 20 |
| 1 | All employees in knitting department | | 6½ |

| UNDERWEAR | | | |
|-----------|--|-----|-----|
| 17 | All employees | 10 | |
| 1 | do | 5 | |
| 1 | Seamers and finishers | 3 | |
| 1 | All female time workers | | (1) |
| 1 | All employees who were paid weekly rates | (1) | |

¹ Hours reduced for 6 months from 48 to 45 per week. Paid same amount for 45 as for 48 hours.
² One-half hour's pay per week due to change from weekly to hourly rates.

BONUSES, 1928

A bonus is an arrangement by which the earnings of a certain part or all of the employees in a hosiery or in an underwear mill at piece or time rates would, for attendance, efficiency, length of service, or production, be increased by the addition of a stated amount or a specified per cent of earnings. In several of the mills earnings were increased by the addition of two or more bonuses based on two or more of the conditions listed above.

Bonuses were paid in 1928 by 24 of the 108 hosiery and by 14 of the 84 underwear mills included in the data used in compiling this report.

Table 9 shows the basis or kind of bonus in each mill, the employees entitled, the amount, and the conditions or requirements necessary to get each bonus.

Hosiery mill No. 1, line 1 in the table, paid to knitters a production bonus of 1 cent for each dozen pairs of hosiery produced at or above the rated capacity of the knitting machine. No employee of this mill other than knitters was entitled to receive a bonus.

Hosiery mill No. 2 paid to boarders a production bonus and also an attendance bonus. The production bonus was for the boarding of a sufficient number of pairs of hose to earn at the piece rates paid for such work \$25 or more in a pay period of one-half month. A bonus of \$1.80 was paid for an earning of \$25 in the half month. The

amount of the bonus was increased for each additional increase of \$5 per half month in earnings to a bonus of \$10 for an earning of \$50 or more in the half month. A bonus of 10 per cent of earnings was also paid to boarders for full-time attendance in the half month. To illustrate, a boarder who earned at his piece rates \$25 was also paid a production bonus of \$1.80 and an attendance bonus of \$2.50, or a total of \$29.30 in the half month. Loopers of this establishment were paid a bonus of 5 per cent of their earnings for full-time attendance in the half month, regardless of the amount of such earnings. No employee in the mill other than boarders was entitled to the production bonus or other than boarders and loopers was entitled to receive the attendance bonus.

Underwear mill No. 1 paid a bonus of 9 to 20 per cent of earnings to all employees in service over 8 years. An employee who in one week at piece or time rates earned \$20 and by years of service was entitled to the minimum bonus of 9 per cent of the \$20 was paid a bonus of \$1.80. An employee who in one week at piece or time rates earned \$20 and by years of service was entitled to the maximum bonus of 20 per cent of the \$20 was paid a bonus of \$4.

Underwear mill No. 13 paid a production bonus to all pieceworkers who worked on heavy-weight garments. The bonus was 50 per cent of all earnings over \$10 per week. To earn a bonus it was necessary for a pieceworker to complete the work required of him or her on a sufficient number of pieces to earn at piece rates more than \$10 in one week. A pieceworker who earned \$11 in one week was paid a bonus of 50 per cent of \$1 or 50 cents, thus making a total of \$11.50 in the week.

The explanation of the bonuses in hosiery mills Nos. 1 and 2 and in underwear mills Nos. 1 and 13 apply to those for the other mills in the table.

TABLE 9.—*Bonus systems of 24 hosiery and 14 underwear mills, 1928*

HOSIERY

| Mill No. | Kind of bonus | Employees entitled | Amount of bonus | Conditions |
|----------|---------------|--|---|--|
| 1 | Production | Knitters | 1 cent per dozen | Production at capacity of machine. |
| | do | Boarders | \$1.80 \$2.70 \$4.70 \$6.50 \$8.10 | Must earn \$25 per pay period of one-half month. Must earn \$30 per pay period of one-half month. Must earn \$35 per pay period of one-half month. Must earn \$40 per pay period of one-half month. Must earn \$45 per pay period of one-half month. |
| 2 | Attendance | Loopers | 10 per cent of earnings | Must earn \$50 per pay period of one-half month. |
| | Production | Knitters | 5 per cent of earnings | Full-time attendance. |
| 3 | Production | Knitters | Varies | Do. Graduated scale for different styles and number of dozens produced. |
| 4 | do | do | 80 per cent of earnings on ladies' hose 70 per cent of earnings on men's hose | For all over 1 dozen pairs produced in 36 minutes. For all over 1 dozen pairs produced in 30 minutes. |
| 5 | do | Inspectors | 3 cents per dozen | For all over 130 dozen pairs per week. |
| 6 | do | Boarders | 1 hour's pay extra | For each 10 dozen pairs over a set weekly standard. |
| 7 | do | Knitters | 5 cents per dozen | For production over a set standard per day. |
| | Efficiency | Loopers | 1 cent per dozen | If 99.2 per cent of work passes inspection. |
| 8 | do | Looper-machine fixers | 10 per cent of earnings 7 per cent of earnings | If 99 per cent of work passes inspection. If 98 per cent of work passes inspection. |
| | do | Machine fixers | 4 per cent of earnings 60 cents per 100 dozen half hose \$1 per 100 dozen plain hose \$1.20 per 100 dozen fancy hose | If 97 per cent of work passes inspection. Less 1 cent for each dozen pairs of seconds. Do Do |
| 9 | do | Boarders | 15 per cent of earnings 10 per cent of earnings | If 99 per cent of work passes inspection. If 98 per cent of work passes inspection. |
| | do | Inspectors, final | 5 per cent of earnings \$4.50 per 100 dozen ladies' hose \$4 per 100 dozen ladies' hose | If 97 per cent of work passes inspection. If not more than 1 mender (defective hose) in 4 dozen pairs is passed. If more than 1 mender (defective hose) in 4 dozen pairs is passed. |
| | do | Knitters | 1 cent per dozen | If not more than 1 mender (defective hose) per dozen pairs. |
| 10 | do | Machine fixers | 1/2 of 1 per cent to 24 per cent on 260-needle machine. 1/2 of 1 per cent to 24 per cent on 300-needle machine. | Based on 15 1/2 per cent to 5 per cent of waste and seconds. Based on 20 per cent to 9 1/2 per cent of waste and seconds. |
| | do | Menders; inspectors, gray stock; and pairers or menders. | 15 per cent of earnings | If 98.3 per cent of work passes inspection. |
| 11 | do | Boarders and loopers | Penalty of 15 per cent of earnings | If less than 98.3 per cent of work passes inspection. |
| 12 | do | Knitters, transfer | 5 per cent premium on piecework | All doing good work in foreman's judgment. |
| 13 | Production | All except supervisory and dye house. | 10 per cent premium on piecework Not reported. | Do A fixed standard of individual production based on time studies of previous pay periods. |

HOSIERY AND UNDERWEAR INDUSTRIES, 1907-1928

TABLE 9.—*Bonus systems of 24 hosiery and 14 underwear mills, 1928—Continued*

HOSIERY—Continued

| Mill No. | Kind of bonus | Employees entitled | Amount of bonus | Conditions |
|----------|---------------------------|--|------------------------------------|---|
| 14 | Efficiency | Inspectors of pairing | 10 cents per dozen | For imperfect work found. |
| | | | 25 per cent of earnings | If 99 per cent of work passes inspection. |
| | | Pairers | 15 per cent of earnings | If 98 per cent of work passes inspection. |
| | | | Penalty of 5 per cent of earnings | If 97 per cent of work passes inspection. |
| | | | Penalty of 10 per cent of earnings | If 96 per cent of work passes inspection. |
| | | | Penalty of 15 per cent of earnings | If 95 per cent of work passes inspection. |
| 15 | do | Knitters, transfer | Not reported | Not reported. |
| | | Loopers | 1 cent per dozen | For each dozen pairs having no menders (defective hose). |
| 16 | do | Knitters, transfer, and loopers | 5 to 10 per cent of earnings | For each dozen pairs having more than 1 mender (defective hose). Based on sliding scale extending from 76 per cent to 90 per cent of work without menders. |
| 17 | Attendance | Loopers | 5 per cent of earnings | Full-time attendance. |
| 18 | do | Seamers | do | Do. |
| | | Loopers | do | Full-time attendance and production of 20 dozen pairs per day. |
| 19 | Attendance and production | do | ½ of 1 per cent of earnings | For additional production of more than 20 dozen pairs per day. |
| 20 | do | Time workers | ½ hour's pay | Full-time attendance. |
| | | Toppers | 2 cents per dozen | Do. |
| 20 | Production | 1 machine fixer | ½ cent per dozen legs | For each dozen pairs produced. |
| | | 2 machine fixers | 3½ mills per dozen legs | Do. |
| 21 | Attendance | Knitters at night | 5 per cent of earnings | Full-time attendance. |
| | | Machine fixers | do | If 98 per cent of the product of the machines passes inspection. |
| 21 | Efficiency | Knitters | 3 cents per dozen | If 99 per cent of work passes inspection. |
| | | | 2 cents per dozen | If 98 per cent of work passes inspection. |
| | | | 1 cent per dozen | If 97 per cent of work passes inspection. |
| 22 | Production | Loopers | 2 cents per dozen | For production above 440 dozen pairs per pay period of 2 weeks. If mill operates less than full time, bonus is based on over 40 dozen pairs per day. |
| 22 | Attendance | Productive employees | 5 per cent of earnings | Full-time attendance. |
| | | Knitters, loopers, inspectors, menders, winders, and day laborers. | 1 per cent of earnings | In service 1 year. |
| 23 | Service | Finishers | 2 per cent of earnings | In service 2 years. |
| | | | 3 per cent of earnings | In service 3 years and over. |
| 23 | do | do | 1 per cent of earnings | In service 1 year and over. |

| | | | | |
|--------------------------------|---|---|--|---|
| do | All employees | 10 per cent of earnings | In service 1 year and under 5 years. | |
| | | 20 per cent of earnings | In service 5 and under 10 years. | |
| Attendance | Inspectors (examining department) second leggers' helpers, menders, toppers, winders, other employees in topping and winding departments. | 25 per cent of earnings | In service 10 years and over. | |
| | | \$6 per month | Full-time attendance in month. | |
| | | \$4 per month | Attendance on all days except 1 in month. | |
| | do | Loopers and seamers | \$2 per month | Attendance on all days except 2 in month. |
| | | | Penalty of 25 cents | For each day tardy in month. |
| | do | do | \$4 per month | Full-time attendance in month. |
| | | | \$2 per month | Attendance on all days except 1 in month. |
| | Efficiency | Inspectors | \$1 per month | Attendance on all days except 2 in month. |
| | | | Penalty of 25 cents | For each day tardy in month. |
| | | Loopers and seamers | \$4 per month | If 98 $\frac{1}{4}$ per cent of work is satisfactory. |
| \$3 per month | | | If 97 $\frac{1}{4}$ per cent of work is satisfactory. | |
| Menders | | \$2 per month | If 96 $\frac{1}{4}$ per cent of work is satisfactory. | |
| | | \$1 per month | If 95 $\frac{1}{4}$ per cent of work is satisfactory. | |
| Toppers | | \$8 per month | If 99 per cent of work is satisfactory. | |
| | | \$6 per month | If 98 $\frac{1}{4}$ per cent of work is satisfactory. | |
| Knitters, leggers, and footers | | \$4 per month | If 98 per cent of work is satisfactory. | |
| | | \$2 per month | If 97 $\frac{1}{4}$ per cent of work is satisfactory. | |
| Production | Knitters, leggers, and footers | \$4 per month | If 99 per cent of work is satisfactory. | |
| | | \$3 per month | If 98 $\frac{1}{4}$ per cent of work is satisfactory. | |
| Attendance | First legger's helper | \$2 per month | If 98 per cent of work is satisfactory. | |
| | | \$1.25 per month | If 97 $\frac{1}{4}$ per cent of work is satisfactory. | |
| do | Winders | \$3 per month | If 99 $\frac{3}{4}$ per cent of work is satisfactory. | |
| | | \$2 per month | If 99 $\frac{1}{4}$ per cent of work is satisfactory. | |
| do | Male employees in the machine cleaning, boarding, shipping, winding, and finishing departments. | \$1.25 per month | If 99 per cent of work is satisfactory. | |
| | | \$8 per month | If 98 $\frac{3}{4}$ per cent of work is satisfactory. | |
| do | do | \$6 per month | If 99 $\frac{1}{4}$ per cent of work passes inspection. | |
| | | \$4 per month | If 99 $\frac{1}{4}$ per cent of work passes inspection. | |
| do | do | \$2 per month | If 99 per cent of work passes inspection. | |
| | | Varies | Must earn efficiency bonus. | |
| do | do | 50 per cent of leggers' bonus | Do. | |
| | | \$4, \$3, \$2, or \$1 | At the discretion of the forelady. | |
| do | do | 2 $\frac{1}{4}$ hours pay at their hourly rates | Full-time attendance. | |
| | | Penalty, but amount not reported | For very unsatisfactory work or for machine breakage when fault of employee. | |

TABLE 9.—*Bonus systems of 24 hosiery and 14 underwear mills, 1928—Continued*

UNDERWEAR

| Mill No. | Kind of bonus | Employees entitled | Amount of bonus | Conditions |
|----------|-----------------|---|---|--|
| 1 | Service..... | All in service over 8 years..... | 9 to 20 per cent of earnings..... | In service over 8 years. |
| 2 | do..... | All except salaried employees..... | 5 per cent of earnings..... | Ten years' continuous service. |
| 3 | Efficiency..... | Knitters..... | 10 per cent of earnings..... | If all work passes inspection. |
| | | Cloth saving..... | Cutters..... | 1 cent per dozen..... |
| 4 | Efficiency..... | Knitters..... | \$1.25 per week..... | If all work passes inspection. |
| | | | \$1 per week..... | If work passes inspection with only 1 error during the week. |
| | | | \$0.75 per week..... | If work passes inspection with only 2 errors during the week. |
| | | | \$0.50 per week..... | If work passes inspection with only 3 errors during the week. |
| 5 | do..... | do..... | \$0.25 per week..... | If work passes inspection with only 4 errors during the week. |
| | | | 10, 15, or 20 per cent of earnings..... | Based on per cent of work passed by inspection. |
| 6 | do..... | Inspectors..... | 20 per cent or less of earnings..... | (Maximum bonus if inspection is entirely satisfactory. |
| 7 | do..... | do..... | do..... | (The amount is decreased to minimum by graduated scale. |
| 8 | Attendance..... | Finishing, pressing, cutting, and knitting employees. | 10 per cent of earnings..... | Do. |
| 9 | do..... | Time workers..... | 20 per cent of earnings..... | Full-time attendance during week. |
| | | Piece workers..... | 5 per cent of earnings..... | If absent not over 2 hours during 2-week pay period. |
| 10 | Production..... | Productive..... | 25 per cent of earnings..... | If absent over 2 hours during 2-week pay period. |
| | | | 10 per cent of earnings..... | If absent not over 2 hours during 2-weeks pay period. |
| | | | 5 per cent of earnings..... | If absent 2 hours but not over 4 hours during 2-week pay period. |
| 11 | do..... | do..... | Varies..... | If absent over 4 hours during 2-week pay period. |
| 12 | do..... | All except cutters, packers, and shippers. | Rate and half..... | For production in excess of a specified amount. |
| 13 | do..... | Piece workers on heavy weight garments. | 5 per cent of monthly earnings..... | Do. |
| | | | 50 per cent of earnings over \$10 per week..... | For production in excess of the standard set for a day. |
| 14 | Service..... | All employees of less than 6 weeks service. | \$3.50 per week..... | For production at piece rates sufficient to earn over \$10 per week. |
| | | | \$2.50 per week..... | For first and second week of service. |
| | | | \$1.50 per week..... | For third and fourth week of service. |

PAY FOR OVERTIME, 1928

Thirteen of the 108 hosiery and 2 of the 84 underwear mills included in the 1928 study paid to a specified part (time workers, female time workers, or full-fashioned knitters, etc.) of the employees in each of the mills one and one-half times the regular rate or a stated amount (\$1, 25 or 15 cents) for each hour of overtime. One hosiery mill with regular hours of 50 per week paid time workers the regular rate for each hour up to and including 55 and one and one-half times the regular rate for each hour after 55.

Table 10 shows the number of mills in which overtime was paid, the part of the employees in each mill that was paid extra for overtime, the rate or amount of pay for each hour of overtime and the regular hours per week and per day, Monday to Friday and Saturday, of the employees who were paid extra for overtime.

TABLE 10.—Pay for overtime, employees entitled, and rate, 1928

| HOSIERY | | | | | |
|--------------------------|--|---|--------------------|------------------|----------|
| Number of establishments | Employees paid extra rate | Times regular rate or extra for each hour of overtime | Regular hours per— | | |
| | | | Week | Day | |
| | | | | Monday to Friday | Saturday |
| 1 | Time workers..... | 1½ ¹ | 50 | 9 | 5 |
| 1 | do..... | 1½ | 50 | 9 | 5 |
| 1 | do..... | 1½ | 49½ | 9 | 4½ |
| 1 | do..... | 1½ | 48 | 8¾ | 4¾ |
| 1 | do..... | 1½ | 55 | 10 | 5 |
| 1 | Female time workers..... | 1½ | 48 | 8¾ | 4¼ |
| 1 | Full-fashioned knitters..... | 1½ | 48 | 8¾ | 3¾ |
| 1 | All except shipping-room employees..... | 1½ | 48 | 8¾ | 4¼ |
| 1 | All pieceworkers except boarders, folders, and pairers..... | 1½ | 48 | 8¾ | 4¼ |
| 1 | Boarders, folders, menders, pairers, winders, turners, stock-room employees, boxers, labelers, stampers, workers on "seconds," and case packers..... | 1½ | 48 | 9¾ | 0 |
| 1 | Time workers..... | 1½ | 47¾ | 8¾ | 4 |
| 1 | Full-fashioned knitters..... | \$1 extra for each hour of overtime. | | | |
| 1 | Toppers..... | 25 cents extra for each hour of overtime. | | | |
| 1 | Knitters..... | do..... | 50 | 9 | 5 |
| 1 | All pieceworkers other than knitters..... | 15 cents extra for each hour of overtime. | | | |
| 1 | All employees..... | 35 cents extra for overtime of more than 1½ hours. | 50 | 9 | 5 |

| UNDERWEAR | | | | | |
|--------------------------|---------------------------|---|--------------------|------------------|----------|
| Number of establishments | Employees paid extra rate | Times regular rate or extra for each hour of overtime | Regular hours per— | | |
| | | | Week | Monday to Friday | Saturday |
| 1 | Time workers..... | 1½ | 49½ | 9 | 4½ |
| 1 | All employees..... | 1½ | 45 | 9 | 0 |

¹ After 55 hours.

² Monday to Thursday; Friday, 9 hours.

DAYS WAGE EARNERS WORKED IN ONE WEEK, 1928

Table 11 shows for the employees in 6 of the representative occupations in the hosiery industry and for 5 in the underwear industry average and specified number of days worked in one week in 1928.

Days on which an employee worked means the number of calendar days or parts of days in one week on which any work was done. A full day or any part of a day was counted as a day.

The average number of days worked by employees in the occupation is a simple average obtained by dividing the aggregate number of days on which any work was done by the total number of employees in the occupation.

The 1,433 male boarders in 81 of the establishments covered in 1928 worked an average of 5.5 days in one week. Less than 1 per cent of them worked on 1 day only, 2 per cent on 2 days, 3 per cent on 3 days, 6 per cent on 4 days, 22 per cent on 5 days, and 67 per cent worked on 6 days.

TABLE 11.—Number of days on which employees in 11 specified occupations worked in one week, 1928, by sex

HOSIERY

| Occupation and sex | Number of establishments | Number of employees | Average days worked by employees in 1 week | Per cent of employees in occupation who in 1 week worked— | | | | | |
|---|--------------------------|---------------------|--|---|--------|--------|--------|--------|--------|
| | | | | 1 day | 2 days | 3 days | 4 days | 5 days | 6 days |
| Boarders: | | | | | | | | | |
| Male..... | 81 | 1,433 | 5.5 | (1) | 2 | 3 | 6 | 22 | 67 |
| Female..... | 38 | 516 | 5.4 | (1) | 2 | 3 | 7 | 28 | 60 |
| Knitters, footers, full-fashioned: | | | | | | | | | |
| Male..... | 39 | 749 | 5.7 | | (1) | 1 | 4 | 15 | 80 |
| Knitters, leggers, full-fashioned: | | | | | | | | | |
| Male..... | 39 | 1,911 | 5.7 | (1) | (1) | 1 | 5 | 18 | 75 |
| Knitters, transfer: | | | | | | | | | |
| Male..... | 18 | 205 | 4.7 | 2 | 4 | 6 | 22 | 39 | 27 |
| Female..... | 58 | 2,483 | 5.1 | 2 | 3 | 7 | 13 | 24 | 51 |
| Loopers: | | | | | | | | | |
| Female..... | 105 | 3,607 | 5.3 | 1 | 1 | 4 | 10 | 31 | 53 |
| Menders: | | | | | | | | | |
| Female..... | 103 | 1,294 | 5.4 | 1 | 2 | 3 | 6 | 23 | 64 |

UNDERWEAR

| | | | | | | | | | |
|-------------------------------|----|-------|-----|-----|---|---|----|----|----|
| Buttonhole makers: | | | | | | | | | |
| Female..... | 76 | 369 | 5.2 | 1 | 1 | 5 | 10 | 41 | 43 |
| Folders: | | | | | | | | | |
| Female..... | 66 | 488 | 5.1 | 1 | 3 | 4 | 13 | 30 | 49 |
| Knitters, web or tube: | | | | | | | | | |
| Male..... | 73 | 446 | 5.3 | (1) | 2 | 4 | 7 | 34 | 52 |
| Female..... | 35 | 198 | 5.6 | 1 | 1 | 1 | 4 | 27 | 67 |
| Pressers: | | | | | | | | | |
| Male..... | 43 | 84 | 5.5 | 1 | 1 | 1 | 4 | 26 | 67 |
| Female..... | 46 | 235 | 5.3 | | 1 | 3 | 12 | 35 | 49 |
| Seamers: | | | | | | | | | |
| Female..... | 84 | 2,425 | 5.2 | (1) | 1 | 3 | 12 | 39 | 44 |

¹ Less than 1 per cent.

TIME WORKERS AND PIECE WORKERS, 1928

Table 12 shows for each State or group of 2 States the number of time workers and of piece workers of each sex in each of the 6 representative occupations in the hosiery industry and in 5 representative occupations in the underwear industry, and also the per cent that piece workers are of the total.

A time worker is an employee who is paid an hourly, daily, or weekly wage rate, and a piece worker is an employee who is paid a piece rate, the unit of pay being a specified operation on hosiery or on underwear, such as boarding, knitting the foot or the leg of hosiery, etc.

Piece workers form a vast majority of the wage earners in hosiery and in underwear. Reading the summary figures in the table it is seen that 11,692 or 95.9 per cent of the 12,198 employees in the 6 representative occupations in hosiery are piece workers and that only 506 or 4.1 per cent are time workers; also that 3,598 or 84.8 per cent of the 4,245 in the 5 representative occupations in underwear are piece workers and that only 647 or 15.2 per cent are time workers. Males in the 6 occupations in hosiery who are paid piece rates represent 98.4 of all males, and females who are paid piece rates represent 94.5 per cent of all females in these occupations. Males in the 5 occupations in underwear who are paid piece rates represent 52.6 per cent of all males, and females who are paid piece rates represent 89.3 per cent of all females in these occupations.

In Alabama and Louisiana 100 per cent of the boarders, 99.6 per cent of transfer knitters, 100 per cent of the loopers, 72.2 per cent of the menders, and 98.6 per cent of all employees in these occupations are piece workers. The percentage of piece workers in the 6 occupations in hosiery range by States from 88.6 for those in Minnesota and Wisconsin to 99.3 per cent for those in Georgia, and in underwear range from 59.2 per cent for those in Connecticut and Rhode Island to 94.7 per cent for those in Minnesota and Wisconsin.

TABLE 12.—Number of time workers and piece workers in 11 specified occupations during the period covered by this study, 1928, by State and sex

HOSIERY

| State, occupation, and sex | Number of establishments | Number of employees | Number of time workers | Piece workers | |
|--|--------------------------|---------------------|------------------------|---------------|----------|
| | | | | Number | Per cent |
| Alabama and Louisiana: | | | | | |
| Boarders, male..... | 2 | 37 | | 37 | 100.0 |
| Boarders, female..... | 1 | 20 | | 20 | 100.0 |
| Knitters, transfer, female..... | 4 | 244 | 1 | 243 | 99.6 |
| Loopers, female..... | 4 | 112 | | 112 | 100.0 |
| Menders, female..... | 4 | 18 | 5 | 13 | 72.2 |
| Total..... | 4 | 431 | 6 | 425 | 98.6 |
| Georgia: | | | | | |
| Boarders, male..... | 7 | 136 | | 136 | 100.0 |
| Boarders, female..... | 1 | 4 | | 4 | 100.0 |
| Knitters, transfer, male..... | 1 | 4 | | 4 | 100.0 |
| Knitters, transfer, female..... | 6 | 285 | | 285 | 100.0 |
| Loopers, female..... | 7 | 263 | | 263 | 100.0 |
| Menders, female..... | 7 | 46 | 5 | 41 | 89.1 |
| Total..... | 7 | 738 | 5 | 733 | 99.3 |
| Illinois: | | | | | |
| Boarders, male..... | 3 | 50 | 2 | 48 | 96.0 |
| Boarders, female..... | 3 | 18 | | 18 | 100.0 |
| Knitters, footers, full-fashioned, male..... | 1 | 4 | | 4 | 100.0 |
| Knitters, leggers, full-fashioned, male..... | 1 | 18 | | 18 | 100.0 |
| Knitters, transfer, female..... | 2 | 51 | | 51 | 100.0 |
| Loopers, female..... | 5 | 133 | 1 | 132 | 99.2 |
| Menders, female..... | 5 | 85 | 1 | 84 | 98.8 |
| Total..... | 6 | 359 | 4 | 355 | 98.9 |
| Indiana: | | | | | |
| Boarders, male..... | 2 | 46 | 1 | 45 | 97.8 |
| Boarders, female..... | 2 | 18 | 13 | 5 | 27.8 |
| Knitters, footers, full-fashioned, male..... | 1 | 9 | 1 | 8 | 88.9 |
| Knitters, leggers, full-fashioned, male..... | 1 | 34 | 4 | 30 | 88.2 |
| Knitters, transfer, female..... | 1 | 27 | | 27 | 100.0 |
| Loopers, female..... | 3 | 105 | | 105 | 100.0 |
| Menders, female..... | 3 | 69 | 4 | 65 | 94.2 |
| Total..... | 3 | 308 | 23 | 285 | 92.5 |

TABLE 12.—Number of time workers and piece workers in 11 specified occupations during the period covered by this study, 1928, by State and sex—Continued

HOSIERY—Continued

| State, occupation, and sex | Number of establishments | Number of employ-ees | Number of time workers | Piece workers | |
|--|--------------------------|----------------------|------------------------|---------------|----------|
| | | | | Number | Per cent |
| Maryland and West Virginia: | | | | | |
| Boarders, male..... | 2 | 40 | | 40 | 100.0 |
| Knitters, transfer, male..... | 1 | 6 | | 6 | 100.0 |
| Knitters, transfer, female..... | 4 | 163 | | 163 | 100.0 |
| Loopers, female..... | 3 | 68 | | 68 | 100.0 |
| Menders, female..... | 3 | 37 | 9 | 28 | 75.7 |
| Total..... | 4 | 314 | 9 | 305 | 97.1 |
| Massachusetts: | | | | | |
| Boarders, male..... | 5 | 38 | 2 | 36 | 94.7 |
| Boarders, female..... | 2 | 15 | 3 | 12 | 80.0 |
| Knitters, footers, full-fashioned, male..... | 7 | 70 | | 70 | 100.0 |
| Knitters, leggers, full-fashioned, male..... | 7 | 207 | | 207 | 100.0 |
| Loopers, female..... | 7 | 87 | | 87 | 100.0 |
| Menders, female..... | 5 | 46 | 13 | 33 | 71.7 |
| Total..... | 7 | 463 | 18 | 445 | 96.1 |
| Michigan: | | | | | |
| Boarders, male..... | 2 | 6 | | 6 | 100.0 |
| Boarders, female..... | 2 | 12 | | 12 | 100.0 |
| Knitters, transfer, male..... | 1 | 1 | | 1 | 100.0 |
| Knitters, transfer, female..... | 1 | 18 | 1 | 17 | 94.4 |
| Loopers, female..... | 3 | 44 | | 44 | 100.0 |
| Menders, female..... | 3 | 5 | 1 | 4 | 80.0 |
| Total..... | 3 | 86 | 2 | 84 | 97.7 |
| Minnesota and Wisconsin: | | | | | |
| Boarders, male..... | 6 | 48 | 2 | 46 | 95.8 |
| Boarders, female..... | 6 | 133 | 2 | 131 | 98.5 |
| Knitters, footers, full-fashioned, male..... | 4 | 85 | 6 | 79 | 92.9 |
| Knitters, leggers, full-fashioned, male..... | 4 | 241 | 25 | 216 | 89.6 |
| Knitters, transfer, male..... | 1 | 3 | | 3 | 100.0 |
| Knitters, transfer, female..... | 5 | 143 | 20 | 123 | 86.0 |
| Loopers, female..... | 6 | 257 | 11 | 246 | 95.7 |
| Menders, female..... | 6 | 124 | 52 | 72 | 58.1 |
| Total..... | 6 | 1,034 | 118 | 916 | 88.6 |
| New Hampshire and Vermont: | | | | | |
| Boarders, male..... | 6 | 18 | | 18 | 100.0 |
| Knitters, transfer, female..... | 5 | 49 | | 49 | 100.0 |
| Loopers, female..... | 6 | 73 | | 73 | 100.0 |
| Menders, female..... | 6 | 38 | 14 | 24 | 63.2 |
| Total..... | 6 | 178 | 14 | 164 | 92.1 |
| New Jersey: | | | | | |
| Boarders, male..... | 1 | 12 | | 12 | 100.0 |
| Boarders, female..... | 3 | 55 | 4 | 51 | 92.7 |
| Knitters, footers, full-fashioned, male..... | 4 | 62 | | 62 | 100.0 |
| Knitters, leggers, full-fashioned, male..... | 4 | 205 | | 205 | 100.0 |
| Loopers, female..... | 4 | 85 | | 85 | 100.0 |
| Menders, female..... | 4 | 80 | 46 | 34 | 42.5 |
| Total..... | 4 | 499 | 50 | 449 | 90.0 |
| New York: | | | | | |
| Boarders, male..... | 2 | 7 | | 7 | 100.0 |
| Boarders, female..... | 4 | 52 | 1 | 51 | 98.1 |
| Knitters, footers, full-fashioned, male..... | 4 | 39 | | 39 | 100.0 |
| Knitters, leggers, full-fashioned, male..... | 4 | 141 | | 141 | 100.0 |
| Loopers, female..... | 4 | 51 | | 51 | 100.0 |
| Menders, female..... | 3 | 51 | 4 | 47 | 92.2 |
| Total..... | 4 | 341 | 5 | 336 | 98.5 |
| North Carolina: | | | | | |
| Boarders, male..... | 12 | 375 | 13 | 362 | 96.5 |
| Boarders, female..... | 1 | 16 | | 16 | 100.0 |
| Knitters, transfer, male..... | 6 | 42 | | 42 | 100.0 |
| Knitters, transfer, female..... | 7 | 211 | | 211 | 100.0 |
| Loopers, female..... | 14 | 829 | | 829 | 100.0 |
| Menders, female..... | 14 | 115 | 3 | 112 | 97.4 |
| Total..... | 14 | 1,588 | 16 | 1,572 | 99.0 |

TABLE 12.—Number of time workers and piece workers in 11 specified occupations during the period covered by this study, 1928, by State and sex—Continued

HOSIERY—Continued

| State, occupation, and sex | Number of establishments | Number of employees | Number of time workers | Piece workers | |
|--|--------------------------|---------------------|------------------------|---------------|----------|
| | | | | Number | Per cent |
| Pennsylvania: | | | | | |
| Boarders, male..... | 16 | 392 | 13 | 379 | 96.7 |
| Boarders, female..... | 10 | 136 | 25 | 111 | 81.6 |
| Knitters, footers, full-fashioned, male..... | 18 | 480 | ----- | 480 | 100.0 |
| Knitters, leggers, full-fashioned, male..... | 18 | 1,065 | ----- | 1,065 | 100.0 |
| Knitters, transfer, female..... | 11 | 677 | 1 | 676 | 99.9 |
| Loopers, female..... | 23 | 874 | 2 | 872 | 99.8 |
| Menders, female..... | 24 | 379 | 125 | 254 | 67.0 |
| Total..... | 24 | 4,003 | 166 | 3,837 | 95.9 |
| Tennessee: | | | | | |
| Boarders, male..... | 12 | 203 | 1 | 202 | 99.5 |
| Boarders, female..... | 2 | 35 | ----- | 35 | 100.0 |
| Knitters, transfer, male..... | 7 | 137 | ----- | 137 | 100.0 |
| Knitters, transfer, female..... | 9 | 516 | 3 | 513 | 99.4 |
| Loopers, female..... | 13 | 546 | 1 | 545 | 99.8 |
| Menders, female..... | 13 | 187 | 60 | 127 | 67.9 |
| Total..... | 13 | 1,624 | 65 | 1,559 | 96.0 |
| Virginia: | | | | | |
| Boarders, male..... | 3 | 25 | ----- | 25 | 100.0 |
| Boarders, female..... | 1 | 2 | ----- | 2 | 100.0 |
| Knitters, transfer, male..... | 1 | 12 | ----- | 12 | 100.0 |
| Knitters, transfer, female..... | 3 | 99 | ----- | 99 | 100.0 |
| Loopers, female..... | 3 | 80 | ----- | 80 | 100.0 |
| Menders, female..... | 3 | 14 | 5 | 9 | 64.3 |
| Total..... | 3 | 232 | 5 | 227 | 97.8 |
| All States: | | | | | |
| Boarders, male..... | 81 | 1,433 | 34 | 1,399 | 97.6 |
| Boarders, female..... | 38 | 516 | 48 | 468 | 90.7 |
| Knitters, footers, full-fashioned, male..... | 39 | 749 | 7 | 742 | 99.1 |
| Knitters, leggers, full-fashioned, male..... | 39 | 1,911 | 29 | 1,882 | 98.5 |
| Knitters, transfer, male..... | 18 | 205 | ----- | 205 | 100.0 |
| Knitters, transfer, female..... | 58 | 2,483 | 26 | 2,457 | 99.0 |
| Loopers, female..... | 105 | 3,607 | 15 | 3,592 | 99.6 |
| Menders, female..... | 103 | 1,294 | 347 | 947 | 73.2 |
| Total..... | 108 | 12,198 | 506 | 11,692 | 95.9 |

UNDERWEAR

| | | | | | |
|--------------------------------------|---|-----|-------|-------|-------|
| Connecticut and Rhode Island: | | | | | |
| Buttonhole makers, female..... | 5 | 10 | ----- | 10 | 100.0 |
| Folders, female..... | 5 | 19 | 4 | 15 | 78.9 |
| Knitters, web or tube, male..... | 5 | 13 | 13 | ----- | ----- |
| Knitters, web or tube, female..... | 5 | 34 | 29 | 5 | 14.7 |
| Pressers, male..... | 3 | 5 | 1 | 4 | 80.0 |
| Pressers, female..... | 4 | 12 | 1 | 11 | 91.7 |
| Seamers, female..... | 6 | 49 | 10 | 39 | 79.6 |
| Total..... | 6 | 142 | 58 | 84 | 59.2 |
| Illinois: | | | | | |
| Buttonhole makers, female..... | 3 | 11 | ----- | 11 | 100.0 |
| Folders, female..... | 3 | 23 | 5 | 18 | 78.3 |
| Knitters, web or tube, male..... | 3 | 8 | 8 | ----- | ----- |
| Knitters, web or tube, female..... | 2 | 9 | 9 | ----- | ----- |
| Pressers, male..... | 1 | 2 | 2 | ----- | ----- |
| Seamers, female..... | 3 | 60 | 5 | 55 | 91.7 |
| Total..... | 3 | 113 | 29 | 84 | 74.3 |
| Indiana: | | | | | |
| Buttonhole makers, female..... | 3 | 9 | ----- | 9 | 100.0 |
| Folders, female..... | 3 | 12 | 3 | 9 | 75.0 |
| Knitters, web or tube, male..... | 3 | 18 | 10 | 8 | 44.4 |
| Knitters, web or tube, female..... | 1 | 6 | 6 | ----- | ----- |
| Pressers, male..... | 2 | 4 | 4 | ----- | ----- |
| Pressers, female..... | 2 | 8 | ----- | 8 | 100.0 |
| Seamers, female..... | 3 | 50 | 2 | 48 | 96.0 |
| Total..... | 3 | 107 | 25 | 82 | 76.6 |

TABLE 12.—Number of time workers and piece workers in 11 specified occupations during the period covered by this study, 1928, by State and sex—Continued

UNDERWEAR—Continued

| State, occupation, and sex | Number of establishments | Number of employ-ees | Number of time workers | Piece workers | |
|------------------------------------|--------------------------|----------------------|------------------------|---------------|----------|
| | | | | Number | Per cent |
| Massachusetts: | | | | | |
| Buttonhole makers, female..... | 4 | 26 | 6 | 20 | 76.9 |
| Folders, female..... | 3 | 40 | 26 | 14 | 35.0 |
| Knitters, web or tube, male..... | 3 | 42 | — | 42 | 100.0 |
| Knitters, web or tube, female..... | 1 | 13 | 13 | — | — |
| Pressers, male..... | 1 | 2 | — | 2 | 100.0 |
| Pressers, female..... | 4 | 31 | 8 | 23 | 74.2 |
| Seamers, female..... | 4 | 257 | 83 | 174 | 67.7 |
| Total..... | 4 | 411 | 136 | 275 | 66.9 |
| Michigan: | | | | | |
| Buttonhole makers, female..... | 3 | 8 | — | 8 | 100.0 |
| Folders, female..... | 3 | 16 | 6 | 10 | 62.5 |
| Knitters, web or tube, male..... | 2 | 2 | 2 | — | — |
| Knitters, web or tube, female..... | 3 | 19 | 6 | 13 | 68.4 |
| Pressers, female..... | 3 | 11 | 3 | 8 | 72.7 |
| Seamers, female..... | 3 | 88 | 1 | 87 | 98.9 |
| Total..... | 3 | 144 | 18 | 126 | 87.5 |
| Minnesota and Wisconsin: | | | | | |
| Buttonhole makers, female..... | 4 | 25 | — | 25 | 100.0 |
| Folders, female..... | 3 | 45 | — | 45 | 100.0 |
| Knitters, web or tube, male..... | 3 | 9 | 2 | 7 | 77.8 |
| Knitters, web or tube, female..... | 4 | 30 | 4 | 26 | 86.7 |
| Pressers, female..... | 4 | 52 | 7 | 45 | 86.5 |
| Seamers, female..... | 4 | 178 | 5 | 173 | 97.2 |
| Total..... | 4 | 339 | 18 | 321 | 94.7 |
| New Hampshire and Vermont: | | | | | |
| Buttonhole makers, female..... | 3 | 17 | — | 17 | 100.0 |
| Folders, female..... | 3 | 15 | 3 | 12 | 80.0 |
| Knitters, web or tube, male..... | 3 | 38 | 27 | 11 | 28.9 |
| Pressers, male..... | 3 | 7 | 2 | 5 | 71.4 |
| Pressers, female..... | 1 | 8 | — | 8 | 100.0 |
| Seamers, female..... | 3 | 93 | 2 | 91 | 97.8 |
| Total..... | 3 | 178 | 34 | 144 | 80.9 |
| New York: | | | | | |
| Buttonhole makers, female..... | 27 | 153 | 3 | 150 | 98.0 |
| Folders, female..... | 25 | 156 | 23 | 133 | 85.3 |
| Knitters, web or tube, male..... | 23 | 152 | 46 | 106 | 69.7 |
| Knitters, web or tube, female..... | 8 | 20 | 5 | 24 | 82.8 |
| Pressers, male..... | 20 | 43 | 23 | 20 | 46.5 |
| Pressers, female..... | 11 | 39 | 7 | 32 | 82.1 |
| Seamers, female..... | 27 | 868 | 9 | 859 | 99.0 |
| Total..... | 27 | 1,440 | 116 | 1,324 | 91.9 |
| North Carolina: | | | | | |
| Buttonhole makers, female..... | 3 | 20 | 3 | 17 | 85.0 |
| Folders, female..... | 4 | 27 | 3 | 24 | 88.9 |
| Knitters, web or tube, male..... | 4 | 25 | 8 | 17 | 68.0 |
| Knitters, web or tube, female..... | 2 | 4 | 2 | 2 | 50.0 |
| Pressers, male..... | 3 | 8 | 5 | 3 | 37.5 |
| Pressers, female..... | 1 | 1 | 1 | — | — |
| Seamers, female..... | 4 | 105 | 1 | 104 | 99.0 |
| Total..... | 4 | 190 | 23 | 167 | 87.9 |
| Pennsylvania: | | | | | |
| Buttonhole makers, female..... | 13 | 36 | — | 36 | 100.0 |
| Folders, female..... | 6 | 50 | 11 | 39 | 78.0 |
| Knitters, web or tube, male..... | 17 | 75 | 72 | 3 | 4.0 |
| Knitters, web or tube, female..... | 9 | 54 | 39 | 15 | 27.8 |
| Pressers, male..... | 5 | 5 | 3 | 2 | 40.0 |
| Pressers, female..... | 13 | 67 | 24 | 43 | 64.2 |
| Seamers, female..... | 19 | 367 | — | 367 | 100.0 |
| Total..... | 19 | 654 | 149 | 505 | 77.2 |

TABLE 12.—Number of time workers and piece workers in 11 specified occupations during the period covered by this study, 1928, by State and sex—Continued

UNDERWEAR—Continued

| State, occupation, and sex | Number of establishments | Number of employees | Number of time workers | Piece workers | |
|------------------------------------|--------------------------|---------------------|------------------------|---------------|----------|
| | | | | Number | Per cent |
| Tennessee: | | | | | |
| Buttonhole makers, female..... | 5 | 44 | ----- | 44 | 100.0 |
| Folders, female..... | 5 | 71 | 1 | 70 | 98.6 |
| Knitters, web or tube, male..... | 4 | 49 | 9 | 40 | 81.6 |
| Pressers, male..... | 2 | 5 | 3 | 2 | 40.0 |
| Pressers, female..... | 3 | 6 | 4 | 2 | 33.3 |
| Seamers, female..... | 5 | 237 | 11 | 226 | 95.4 |
| Total..... | 5 | 412 | 28 | 384 | 93.2 |
| Virginia: | | | | | |
| Buttonhole makers, female..... | 3 | 10 | ----- | 10 | 100.0 |
| Folders, female..... | 3 | 14 | 2 | 12 | 85.7 |
| Knitters, web or tube, male..... | 3 | 15 | 8 | 7 | 46.7 |
| Pressers, male..... | 3 | 3 | 3 | ----- | ----- |
| Seamers, female..... | 3 | 73 | ----- | 73 | 100.0 |
| Total..... | 3 | 115 | 13 | 102 | 88.7 |
| All States: | | | | | |
| Buttonhole makers, female..... | 76 | 369 | 12 | 357 | 96.7 |
| Folders, female..... | 66 | 488 | 87 | 401 | 82.2 |
| Knitters, web or tube, male..... | 73 | 446 | 205 | 241 | 54.0 |
| Knitters, web or tube, female..... | 35 | 198 | 113 | 85 | 42.9 |
| Pressers, male..... | 43 | 84 | 46 | 38 | 45.2 |
| Pressers, female..... | 46 | 235 | 55 | 180 | 76.6 |
| Seamers, female..... | 84 | 2,425 | 129 | 2,296 | 94.7 |
| Total..... | 84 | 4,245 | 647 | 3,598 | 84.8 |

INDEX NUMBERS OF EMPLOYMENT AND PAY ROLLS, 1923 TO 1928

Index numbers of employment and of pay rolls in "hosiery and knit goods" are presented in Table 13 for each month and for each of the years 1923 to 1928, with the 1926 average number of employees and the 1926 average amount of pay rolls taken as a base or 100 per cent. The figures in this table are published by the Bureau of Labor Statistics in monthly reports on "Trend of Employment."

The figures in all other tables in this bulletin are for "hosiery and underwear." Those in this table are for "hosiery and knit goods." It is believed that the numbers in this table represent the trend of employment and of pay rolls in hosiery and underwear because data for these two industries constitute a vast majority of the material included by the United States Census of Manufactures under "knit goods."

During the period 1923 to 1928 the monthly volume of employment index was highest (105.3) in April, 1923, and lowest (78.7) in July, 1924, and pay rolls were lowest (62.6) in July, 1924, and highest (106.8) in October, 1927.

Employment decreased from an index of 100 in 1926 to 94.7 in 1928, or 5.3 per cent, and pay rolls decreased from 100 in 1926 to 97.3 in 1928, or 2.7 per cent. Between 1927 and 1928 employment decreased 4.3 per cent and pay rolls decreased 4.8 per cent.

TABLE 13.—*Index numbers of employment and of pay rolls, 1923 to 1928, in hosiery and knit goods, by month and year*

[Average for 1926=100.0]

| Month | Index numbers of— | | | | | | | | | | | |
|----------------|-------------------|-------|-------|-------|-------|------|-----------------|------|-------|-------|-------|-------|
| | Employment | | | | | | Pay-roll totals | | | | | |
| | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 |
| January..... | 101.8 | 99.8 | 94.4 | 102.8 | 99.8 | 97.8 | 84.0 | 89.2 | 88.0 | 98.7 | 99.8 | 100.1 |
| February..... | 103.1 | 101.2 | 98.6 | 103.8 | 100.4 | 99.1 | 89.5 | 94.0 | 95.0 | 104.4 | 105.0 | 102.4 |
| March..... | 104.7 | 102.5 | 100.5 | 103.9 | 100.3 | 98.3 | 94.0 | 94.5 | 98.1 | 104.9 | 106.3 | 101.5 |
| April..... | 105.3 | 100.7 | 101.0 | 102.3 | 100.4 | 96.1 | 96.4 | 92.4 | 95.6 | 101.4 | 104.7 | 95.9 |
| May..... | 105.2 | 96.6 | 100.5 | 100.5 | 99.7 | 94.8 | 98.4 | 86.6 | 97.1 | 101.5 | 105.6 | 96.4 |
| June..... | 104.0 | 91.9 | 99.7 | 99.2 | 99.3 | 94.0 | 95.0 | 79.7 | 94.1 | 98.5 | 102.2 | 96.2 |
| July..... | 99.9 | 78.7 | 98.1 | 93.2 | 93.0 | 88.9 | 85.8 | 62.6 | 90.1 | 89.5 | 90.2 | 85.1 |
| August..... | 100.3 | 81.5 | 98.4 | 95.6 | 94.6 | 89.8 | 86.7 | 68.5 | 94.8 | 95.3 | 95.5 | 90.0 |
| September..... | 99.3 | 85.7 | 100.2 | 97.0 | 98.6 | 92.5 | 87.3 | 73.2 | 92.9 | 94.6 | 98.8 | 94.1 |
| October..... | 100.3 | 88.7 | 103.3 | 100.1 | 100.2 | 94.3 | 91.4 | 80.7 | 102.4 | 103.7 | 106.8 | 102.4 |
| November..... | 101.3 | 91.1 | 104.4 | 100.9 | 101.6 | 95.6 | 92.5 | 83.9 | 104.2 | 103.9 | 106.1 | 101.0 |
| December..... | 100.5 | 93.2 | 103.8 | 100.9 | 99.9 | 95.2 | 94.0 | 89.4 | 104.3 | 103.6 | 105.7 | 101.9 |
| Average.... | 102.1 | 92.6 | 100.2 | 100.0 | 99.0 | 94.7 | 91.3 | 82.9 | 96.4 | 100.0 | 102.2 | 97.3 |

SCOPE AND METHOD

The figures for each occupation in the tables of this report were computed from the combined data of time workers and piece workers and are for all classes of employees in hosiery and in underwear except officials; supervisory, clerical, and powerhouse employees; watchmen; teamsters or chauffeurs hauling to and from the mills; janitors who clean offices, wash rooms, etc.; and mechanics who construct new or repair old buildings. The earnings of all time and piece work employees were reduced to equivalent time rates.

Average earnings per hour of employees in each occupation as presented in the various tables in this report were computed by dividing the combined earnings of all employees in the occupation during the pay period covered by the combined hours worked by all employees in the occupation.

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

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

Data relative to wages and hours are shown separately for the most important occupations in hosiery and in underwear. Employees not included in any of the specified occupations are included in the mis-

cellaneous group of "other employees." The occupations for each industry are arranged in alphabetical order as follows:

| <i>Hosiery</i> | <i>Underwear</i> |
|------------------------------------|--|
| Boarders. | Buttonhole makers. |
| Folders. | Button sewers. |
| Inspectors. | Cutters, hand, layers-up, and markers. |
| Knitters, automatic. | Cutters, power. |
| Knitters, footers, full-fashioned. | Finishers. |
| Knitters, leggers, full-fashioned. | Folders. |
| Knitters' helpers, full-fashioned. | Hemmers. |
| Knitters, rib. | Inspectors. |
| Knitters, transfer. | Knitters, cuff and ankle. |
| Loopers. | Knitters, web or tube. |
| Machine fixers. | Machine fixers. |
| Menders. | Menders. |
| Pairers or maters. | Pressers. |
| Seamers, full-fashioned. | Press hands. |
| Seamers, mock. | Seamers. |
| Toppers, full-fashioned. | Winders. |
| Welters. | |
| Winders. | |

A number of the mills included in the report were engaged in the manufacture of articles other than hosiery and knit underwear. The departments making the articles were of little importance and the employees in them were not included in the study. Therefore, all of the figures in the report relate to conditions of only such employees as were engaged in the manufacture of hosiery and of knit underwear.

In selecting mills from which to obtain data the bureau endeavored to represent all States in which the manufacture of hosiery or of underwear is of material importance. This was determined by the number of wage earners as reported by the Census of Manufactures. According to the 1925 census 96 per cent of the total number of wage earners in hosiery and 95 per cent of the wage earners in underwear were employed in the States included in the report. The great mass of the 1928 data were collected from the records of the various mills included in the report for a pay period in September, October, November, or December, and therefore are representative of the conditions in those months.

In the 19 States included in hosiery, data were obtained from 108 mills for 28,445 wage earners, or 27 per cent of the total number in hosiery in 1925, the latest year for which census figures are available. In the 15 States included in underwear, data were obtained from 84 mills for 15,056 wage earners, or 31 per cent of the total number in underwear in 1925. The majority of the mills in hosiery and in underwear pay employees every week. Data for those that pay every two weeks or half month were so taken as to make it possible to present figures for one week for all mills.

Data for a few large mills are for only a part of the total number of the wage earners in such mills, as the inclusion of data for all employees in them would have tended to overweight and possibly impair the averages for the States in which the large mills are located.

Since 1924 folders, male, and inspectors, male, have become so few in number that they have been included with the miscellaneous group of "other employees."

Table 14 shows the number of wage earners in hosiery and in underwear in each State in 1925, as reported by the Census of Manufactures, and the number of establishments and wage earners included in the 1928 study.

TABLE 14.—Number of wage earners in 1925 as reported by the United States Census of Manufactures and the number of establishments and of wage earners for which 1928 data are presented in the report, by States

| State | Number of wage earners reported in 1925 census | | Establishments and employees for which data are shown by the Bureau of Labor Statistics | | | |
|---------------------|--|-----------------|---|---------------|----------------|---------------|
| | Hosiery | Underwear | Hosiery | | Underwear | |
| | | | Establishments | Wage earners | Establishments | Wage earners |
| Alabama..... | (1) | (1) | 4 | 731 | 6 | 609 |
| Louisiana..... | 739 | (1) | | | | |
| Connecticut..... | (1) | 1,424 | 7 | 1,408 | 3 | 444 |
| Rhode Island..... | 834 | (1) | | | | |
| Georgia..... | 4,945 | (1) | 6 | 1,028 | 3 | 393 |
| Illinois..... | 3,152 | (1) | | | | |
| Indiana..... | (1) | (1) | 4 | 657 | 3 | 614 |
| Maryland..... | (1) | (1) | | | | |
| West Virginia..... | (1) | (1) | 7 | 1,154 | 4 | 1,562 |
| Massachusetts..... | 3,820 | 4,454 | | | | |
| Michigan..... | 1,125 | (1) | 3 | 333 | 3 | 527 |
| Minnesota..... | (1) | (1) | | | | |
| Wisconsin..... | 8,170 | (1) | 6 | 2,352 | 4 | 1,059 |
| New Hampshire..... | 2,019 | (1) | | | | |
| Vermont..... | 170 | 1,087 | 6 | 423 | 3 | 423 |
| New Jersey..... | 3,301 | (1) | | | | |
| New York..... | 1,668 | 18,010 | 4 | 780 | 27 | 5,302 |
| North Carolina..... | 11,452 | (1) | | | | |
| Pennsylvania..... | 37,529 | 7,898 | 14 | 3,898 | 4 | 640 |
| Tennessee..... | 11,500 | (1) | | | | |
| Virginia..... | 1,786 | (1) | 24 | 9,935 | 19 | 2,192 |
| Virginia..... | (1) | (1) | | | | |
| Total..... | 1 103,930 | 1 48,328 | 108 | 28,445 | 84 | 15,056 |

¹ Not reported separately.

² Includes items not reported above and employees in other States not listed.

IMPORTANCE OF KNIT-GOODS INDUSTRY, 1849 TO 1927

Table 15 shows the growth of all classes of knit goods, including hosiery and underwear, between 1849 and 1927, and also of hosiery and of underwear separately between 1923 and 1927 in number of establishments, capital, cost of materials, value of products, average number of wage earners, and in amount paid to wage earners. The figures are as reported by the United States Census of Manufactures. Average per capita yearly earnings of wage earners, as computed by the bureau, are presented in the table.

According to the reports of the Census there has, since 1919, been a great increase in the production of full-fashioned hosiery in the United States. Production increased from 7,566,741 dozen pairs in 1919 to 11,230,867 dozen pairs in 1923 or 48.4 per cent; to 13,899,973 dozen pairs in 1925, an increase of 83.7 per cent; and to 21,070,445 dozen pairs in 1927, or an increase of 178.5 per cent in 8 years. In 1927 the production of full-fashioned hosiery was 19.2 per cent of the total production of all hosiery. In 1927 the production of seamless hosiery was 88,935,470 dozen pairs or 80.8 per cent of the total of all hosiery. Seamless hosiery decreased 1 per cent between 1925 and 1927, compared with an increase of 51.6 in full-fashioned hosiery.

All classes of knit-goods establishments, including hosiery and underwear, increased from 85 in 1849 to 2,323 in 1923 and then decreased to 1,987 in 1925 and to 1,869 in 1927. The 1,869 establishments in 1927 included 672 hosiery and 285 underwear mills.

Capital invested in all classes of knit goods, including hosiery and underwear, increased from \$545,000 in 1849 to \$516,458,000 in 1919. No figures for this item are available for any year since 1919.

Cost of materials used in the manufacture of all classes of knit goods, including hosiery and underwear, increased from \$415,000 in 1849 to \$484,020,000 in 1923 and decreased to \$453,926,000 in 1925 and to \$424,099,000 in 1927. The \$424,099,000 in 1927 included \$229,940,000 for hosiery and \$90,728,000 for underwear.

The value of all classes of manufactured knit goods, including hosiery and underwear, increased from \$1,028,000 in 1849 to \$713,140,000 in 1919; decreased to \$634,074,000 in 1921; increased to \$848,177,000 in 1923; decreased to \$809,960,000 in 1925; and increased to \$816,620,000 in 1927. Hosiery products increased in value from \$390,273,000 in 1923 to \$421,180,000 in 1925 and to \$456,913,000 in 1927. Between 1925 and 1927 the value of full-fashioned hosiery increased 57.2 per cent and seamless hosiery decreased 16.2 per cent. Underwear products increased in value from \$182,355,000 in 1923 to \$188,570,000 in 1925 and decreased to \$173,423,000 in 1927.

Wage earners in all classes of knit-goods establishments, including hosiery and underwear, increased from 2,325 in 1849 to 172,572 in 1919; decreased to 161,880 in 1921; increased to 194,244 in 1923; decreased to 186,668 in 1925; and increased to 190,283 in 1927. The number of wage earners in hosiery increased from 96,957 in 1923 to 103,930 in 1925 and to 112,842 in 1927, and in underwear decreased from 48,552 in 1923 to 48,328 in 1925 and to 46,227 in 1927.

The amount paid to wage earners in all classes of knit-goods establishments increased from \$360,000 in 1849 to \$188,163,000 in 1927. The amount in 1927 included \$114,678,000 paid to those in hosiery and \$39,183,000 to those in underwear.

Wage earners in all classes earned a yearly average of \$155 in 1849 and \$989 in 1927; in hosiery earned an average of \$812 in 1923, \$899 in 1925, and \$1,016 in 1927; and wage earners in underwear earned a yearly average of \$822 in 1923, \$831 in 1925, and \$848 in 1927.

Between 1925 and 1927 cost of materials in hosiery increased 0.8 per cent; value of products increased 8.5 per cent; wage earners increased 8.6 per cent; amount paid in wages increased 22.8 per cent; and average yearly earnings increased 13 per cent.

Between 1925 and 1927 the cost of material in underwear decreased 18.1 per cent; the value of products decreased 8 per cent; the number of wage earners decreased 4.3 per cent; the amount paid to wage earners decreased 2.4 per cent; and average yearly earnings increased 2 per cent.

TABLE 15.—Number of establishments, capital, cost of material, value of products, wage earners, and earnings, in the knit-goods industry, by year and class

| Year | Class | Number of establishments | Capital (in thousands) | Cost of materials (in thousands) | Value of all products (in thousands) | Average number of wage earners | Amount paid to wage earners (in thousands) | Average yearly earnings of wage earners |
|-------------------------|------------------|--------------------------|------------------------|----------------------------------|--------------------------------------|--------------------------------|--|---|
| 1849..... | All classes..... | 85 | \$545 | \$415 | \$1,028 | 2,325 | \$360 | \$155 |
| 1859..... | do..... | 197 | 4,036 | 3,202 | 7,281 | 9,103 | 1,662 | 183 |
| 1869 ¹ | do..... | 248 | 10,931 | 9,836 | 18,412 | 14,788 | 4,429 | 299 |
| 1879..... | do..... | 398 | 15,732 | 15,450 | 29,614 | 30,699 | 6,839 | 223 |
| 1889..... | do..... | 824 | 50,686 | 35,950 | 67,447 | 59,774 | 16,614 | 278 |
| 1899..... | do..... | 1,006 | 82,066 | 51,195 | 95,834 | 83,691 | 24,434 | 292 |
| 1904..... | do..... | 1,144 | 106,943 | 76,789 | 137,076 | 104,092 | 31,615 | 304 |
| 1909..... | do..... | 1,374 | 163,641 | 110,241 | 200,143 | 129,275 | 44,740 | 346 |
| 1914..... | do..... | 1,622 | 215,826 | 146,687 | 258,913 | 150,520 | 59,758 | 397 |
| 1919..... | do..... | 2,050 | 516,458 | 427,096 | 713,140 | 172,572 | 125,200 | 725 |
| 1921..... | do..... | 2,078 | (?) | 360,458 | 634,074 | 161,880 | 132,190 | 817 |
| | do..... | 2,323 | (?) | 484,020 | 848,177 | 194,244 | 168,272 | 866 |
| 1923..... | Hosiery..... | 721 | (?) | 222,411 | 390,273 | 96,957 | 78,762 | 812 |
| | Underwear..... | 326 | (?) | 106,760 | 182,355 | 48,552 | 39,932 | 822 |
| | All classes..... | 1,987 | (?) | 453,926 | 809,960 | 186,668 | 168,683 | 904 |
| 1925..... | Hosiery..... | 683 | (?) | 228,142 | 421,190 | 103,930 | 93,383 | 899 |
| | Underwear..... | 298 | (?) | 110,773 | 188,570 | 48,328 | 40,145 | 831 |
| | All classes..... | 1,869 | (?) | 424,099 | 816,620 | 190,283 | 188,163 | 989 |
| 1927..... | Hosiery..... | 672 | (?) | 229,940 | 456,913 | 112,842 | 114,678 | 1,016 |
| | Underwear..... | 285 | (?) | 90,728 | 173,423 | 46,227 | 39,183 | 848 |

¹ The financial figures for 1869 are given in currency, which at that time was worth only about 80 cents gold to the dollar. For strict comparison, therefore, these figures should be reduced about 20 per cent.

² Not reported.

GENERAL TABLES

In addition to the preceding text tables data are also shown by occupations and States in five general tables as follows:

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

This table shows for each occupation in hosiery and in underwear and for each State or group of two States all of the various averages which have been computed from the data collected in 1928. The averages are days on which employees actually worked in one week, full-time hours per week, hours actually worked in one week, earnings per hour, and full-time and actual earnings in one week. The table also shows the per cent that the hours actually worked in one week is of full-time hours per week.

The 37 boarders, male, of the 2 hosiery mills in Alabama and Louisiana, as shown in the table, worked an average of 5.3 days or parts of days in one week. Their average full-time hours per week were 54.0, and they actually worked an average of 43.4 hours in one week or 80.4 per cent of their average full-time hours per week. They earned an average of 30.0 cents per hour and \$12.99 in one week. Had they worked full-time in the week at the same average earnings per hour as was earned in the 43.4 hours they would have earned \$16.20. This explanation applies to data in this occupation for other States and also to other occupations in the table.

TABLE B.—Average and classified earnings per hour in 11 specified occupations, 1928, by sex and State.

TABLE C.—Average and classified full-time hours per week in 11 specified occupations, 1928, by sex and State.

TABLE D.—Average and classified hours actually worked in one week in 11 specified occupations, 1928, by sex and State.

TABLE E.—Average and classified actual earnings in one week in 11 specified occupations, 1928, by sex and State.

Tables B, C, D, and E are limited to the employees in 11 representative occupations—6 in hosiery and 5 in underwear.

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

| HOSIERY | | | | | | | | | |
|---------------------------------|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
| Boarders, male: | | | | | | | | | |
| Alabama and Louisiana..... | 2 | 37 | 5.3 | 54.0 | 43.4 | 80.4 | \$0.300 | \$16.20 | \$12.99 |
| Georgia..... | 7 | 136 | 5.3 | 55.0 | 46.0 | 83.6 | .313 | 17.22 | 14.40 |
| Illinois..... | 3 | 50 | 5.6 | 57.4 | 53.1 | 92.5 | .335 | 19.23 | 17.82 |
| Indiana..... | 2 | 46 | 5.5 | 50.0 | 49.9 | 99.8 | .659 | 32.95 | 32.90 |
| Maryland and West Virginia..... | 2 | 40 | 5.6 | 53.6 | 44.3 | 82.6 | .484 | 25.94 | 21.41 |
| Massachusetts..... | 5 | 38 | 5.8 | 48.0 | 47.0 | 97.9 | .744 | 35.71 | 34.91 |
| Michigan..... | 2 | 6 | 5.7 | 51.5 | 48.3 | 93.8 | .718 | 36.98 | 34.73 |
| Minnesota and Wisconsin..... | 6 | 48 | 5.7 | 50.3 | 48.5 | 96.4 | .507 | 25.50 | 24.60 |
| New Hampshire and Vermont..... | 6 | 18 | 5.6 | 51.1 | 48.9 | 95.7 | .493 | 25.19 | 24.12 |
| New Jersey..... | 1 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| New York..... | 2 | 7 | 5.7 | 50.8 | 49.7 | 97.8 | .504 | 25.60 | 25.06 |
| North Carolina..... | 12 | 375 | 5.5 | 55.8 | 49.4 | 88.5 | .433 | 24.16 | 21.40 |
| Pennsylvania..... | 16 | 392 | 5.5 | 52.5 | 48.7 | 92.8 | .776 | 40.74 | 37.78 |
| Tennessee..... | 12 | 203 | 5.2 | 54.5 | 47.7 | 87.5 | .358 | 19.51 | 17.06 |
| Virginia..... | 3 | 25 | 5.7 | 53.6 | 47.5 | 88.6 | .292 | 15.65 | 13.87 |
| All States..... | 81 | 1,433 | 5.5 | 53.8 | 48.2 | 89.6 | .521 | 28.03 | 25.12 |
| Boarders, female: | | | | | | | | | |
| Alabama and Louisiana..... | 1 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| Georgia..... | 1 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| Illinois..... | 3 | 18 | 5.9 | 51.7 | 50.4 | 97.5 | .285 | 14.73 | 14.35 |
| Indiana..... | 2 | 18 | 5.7 | 49.2 | 47.9 | 97.4 | .323 | 15.89 | 15.49 |
| Massachusetts..... | 2 | 15 | 6.0 | 48.0 | 48.0 | 100.0 | .387 | 18.58 | 18.58 |
| Michigan..... | 2 | 12 | 5.2 | 50.8 | 30.9 | 60.8 | .549 | 27.89 | 16.99 |
| Minnesota and Wisconsin..... | 6 | 133 | 5.6 | 49.7 | 42.2 | 84.9 | .483 | 24.01 | 20.37 |
| New Jersey..... | 3 | 55 | 5.6 | 47.0 | 40.6 | 86.4 | .667 | 31.35 | 27.04 |
| New York..... | 4 | 52 | 5.4 | 47.9 | 42.3 | 88.3 | .568 | 27.21 | 24.05 |
| North Carolina..... | 1 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| Pennsylvania..... | 10 | 136 | 5.2 | 49.7 | 41.2 | 82.9 | .564 | 28.03 | 23.22 |
| Tennessee..... | 2 | 35 | 5.6 | 54.1 | 37.8 | 69.9 | .257 | 13.90 | 9.72 |
| Virginia..... | 1 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| All States..... | 38 | 516 | 5.4 | 50.0 | 42.0 | 84.0 | .486 | 24.30 | 20.40 |
| Folders, female: | | | | | | | | | |
| Alabama and Louisiana..... | 3 | 15 | 5.0 | 54.4 | 42.2 | 77.6 | .244 | 13.27 | 10.30 |
| Georgia..... | 5 | 36 | 5.5 | 54.2 | 48.5 | 89.5 | .203 | 11.00 | 9.87 |
| Illinois..... | 3 | 22 | 5.9 | 55.8 | 53.6 | 96.1 | .252 | 14.06 | 13.49 |
| Indiana..... | 3 | 24 | 5.2 | 49.8 | 42.1 | 84.5 | .368 | 18.33 | 15.48 |
| Maryland and West Virginia..... | 1 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| Massachusetts..... | 1 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| Michigan..... | 3 | 20 | 5.9 | 51.2 | 45.6 | 89.1 | .240 | 12.29 | 10.91 |
| Minnesota and Wisconsin..... | 5 | 37 | 5.6 | 49.8 | 44.9 | 90.2 | .363 | 18.08 | 16.32 |
| New Hampshire and Vermont..... | 4 | 15 | 4.7 | 49.0 | 37.4 | 76.3 | .316 | 15.48 | 11.83 |
| New Jersey..... | 1 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| New York..... | 3 | 12 | 5.8 | 48.4 | 47.6 | 98.3 | .481 | 23.28 | 22.91 |
| North Carolina..... | 10 | 109 | 5.1 | 55.4 | 48.9 | 88.2 | .325 | 18.01 | 15.92 |
| Pennsylvania..... | 20 | 176 | 5.5 | 50.6 | 47.0 | 92.9 | .423 | 21.40 | 19.89 |
| Tennessee..... | 12 | 92 | 5.2 | 54.4 | 45.9 | 84.4 | .273 | 14.85 | 12.52 |
| Virginia..... | 2 | 9 | 5.2 | 55.6 | 46.2 | 83.1 | .187 | 10.40 | 8.62 |
| All States..... | 76 | 595 | 5.4 | 52.4 | 46.7 | 89.1 | .337 | 17.66 | 15.73 |

¹ Data included in total.

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

HOSIERY—Continued

| Occupation, sex, and State | Number of establishments | Number of employes | Average number of days on which employees worked in one week | Average full time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|---|--------------------------|--------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Inspectors, female: | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 68 | 5.3 | 55.1 | 48.0 | 87.1 | \$0.174 | \$9.59 | \$8.33 |
| Georgia..... | 7 | 108 | 5.4 | 55.2 | 47.3 | 85.7 | .190 | 10.49 | 9.01 |
| Illinois..... | 6 | 70 | 5.5 | 54.2 | 46.3 | 85.4 | .295 | 15.99 | 13.67 |
| Indiana..... | 3 | 92 | 5.4 | 49.8 | 47.9 | 96.2 | .407 | 20.27 | 19.51 |
| Maryland and West Virginia..... | 4 | 69 | 4.8 | 53.3 | 43.6 | 81.8 | .228 | 12.15 | 9.92 |
| Massachusetts..... | 7 | 53 | 5.3 | 48.0 | 45.8 | 95.4 | .453 | 21.74 | 20.74 |
| Michigan..... | 3 | 49 | 5.5 | 50.5 | 42.3 | 83.8 | .281 | 14.19 | 11.88 |
| Minnesota and Wisconsin..... | 6 | 170 | 5.6 | 49.7 | 45.0 | 90.5 | .355 | 17.64 | 15.97 |
| New Hampshire and Vermont..... | 6 | 32 | 5.2 | 51.2 | 45.6 | 89.1 | .316 | 16.18 | 14.40 |
| New Jersey..... | 3 | 30 | 5.8 | 46.5 | 44.9 | 96.6 | .573 | 28.64 | 25.72 |
| New York..... | 4 | 67 | 5.3 | 48.1 | 42.6 | 88.6 | .419 | 20.15 | 17.83 |
| North Carolina..... | 14 | 274 | 5.1 | 55.6 | 47.1 | 84.7 | .267 | 14.85 | 12.55 |
| Pennsylvania..... | 23 | 456 | 5.4 | 50.7 | 44.9 | 88.6 | .413 | 20.94 | 18.55 |
| Tennessee..... | 13 | 300 | 5.5 | 54.2 | 49.4 | 91.1 | .224 | 12.14 | 11.06 |
| Virginia..... | 3 | 59 | 5.8 | 52.7 | 51.2 | 97.2 | .171 | 9.01 | 8.75 |
| All States..... | 106 | 1,897 | 5.4 | 52.3 | 46.4 | 88.7 | .313 | 16.37 | 14.51 |
| Knitters, automatic, male: | | | | | | | | | |
| Georgia..... | 5 | 56 | 5.3 | 56.1 | 52.4 | 93.4 | .331 | 18.57 | 17.36 |
| Illinois..... | 4 | 63 | 5.4 | 55.7 | 50.5 | 90.7 | .504 | 28.07 | 25.43 |
| Indiana..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Michigan..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Minnesota and Wisconsin..... | 5 | 45 | 5.5 | 54.4 | 54.0 | 99.3 | .423 | 23.01 | 22.86 |
| New Hampshire and Vermont..... | 4 | 17 | 5.6 | 58.0 | 56.8 | 97.9 | .488 | 28.30 | 27.71 |
| North Carolina..... | 12 | 309 | 5.1 | 56.1 | 50.4 | 89.8 | .394 | 22.10 | 19.85 |
| Pennsylvania..... | 3 | 19 | 4.5 | 53.2 | 48.2 | 90.6 | .576 | 30.64 | 27.73 |
| Tennessee..... | 6 | 96 | 5.1 | 56.5 | 52.1 | 92.2 | .344 | 19.44 | 17.91 |
| Virginia..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States..... | 42 | 640 | 5.2 | 55.8 | 51.3 | 91.9 | .414 | 23.10 | 21.23 |
| Knitters, automatic, female: | | | | | | | | | |
| Georgia..... | 2 | 4 | 5.3 | 55.8 | 49.5 | 88.7 | .264 | 14.73 | 13.07 |
| Illinois..... | 2 | 21 | 5.1 | 58.1 | 50.3 | 86.6 | .339 | 19.70 | 17.06 |
| Michigan..... | 3 | 25 | 5.3 | 51.8 | 45.2 | 87.3 | .449 | 23.26 | 20.26 |
| Minnesota and Wisconsin..... | 6 | 54 | 5.6 | 49.9 | 46.9 | 94.0 | .384 | 19.16 | 18.01 |
| New Hampshire and Vermont..... | 4 | 23 | 5.4 | 50.3 | 45.8 | 91.1 | .470 | 23.64 | 21.50 |
| North Carolina..... | 3 | 38 | 5.1 | 55.0 | 48.6 | 88.4 | .311 | 17.11 | 15.09 |
| Pennsylvania..... | 5 | 45 | 4.8 | 48.8 | 41.7 | 85.5 | .419 | 20.45 | 17.49 |
| Tennessee..... | 5 | 81 | 5.1 | 52.7 | 47.9 | 90.9 | .291 | 15.34 | 13.91 |
| All States..... | 30 | 291 | 5.2 | 52.1 | 46.6 | 89.4 | .359 | 18.70 | 16.74 |
| Knitters, full-fashioned, footers, male: | | | | | | | | | |
| Illinois..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Massachusetts..... | 7 | 70 | 5.6 | 48.2 | 45.8 | 95.0 | 1.636 | 78.86 | 74.87 |
| Minnesota and Wisconsin..... | 4 | 85 | 5.9 | 49.6 | 48.7 | 98.2 | 1.190 | 59.02 | 58.00 |
| New Jersey..... | 4 | 62 | 5.9 | 48.5 | 47.8 | 98.6 | 1.618 | 78.47 | 77.33 |
| New York..... | 4 | 39 | 5.7 | 48.9 | 46.9 | 95.9 | 1.816 | 88.80 | 85.18 |
| Pennsylvania..... | 18 | 480 | 5.7 | 50.7 | 50.1 | 98.8 | 1.577 | 79.95 | 78.98 |
| All States..... | 39 | 749 | 5.7 | 50.1 | 49.2 | 98.2 | 1.546 | 77.45 | 76.10 |
| Knitters, full-fashioned, leggers, male: | | | | | | | | | |
| Illinois..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Massachusetts..... | 7 | 207 | 5.8 | 48.8 | 48.3 | 99.0 | 1.473 | 71.88 | 71.18 |
| Minnesota and Wisconsin..... | 4 | 241 | 5.7 | 50.3 | 49.7 | 98.8 | 1.008 | 50.70 | 50.11 |
| New Jersey..... | 4 | 205 | 5.9 | 49.8 | 50.1 | 100.6 | 1.361 | 67.78 | 68.14 |
| New York..... | 4 | 141 | 5.8 | 49.5 | 48.6 | 98.2 | 1.563 | 77.37 | 75.94 |
| Pennsylvania..... | 18 | 1,065 | 5.5 | 51.3 | 51.1 | 99.6 | 1.354 | 69.46 | 69.23 |
| All States..... | 39 | 1,911 | 5.7 | 50.7 | 50.3 | 99.2 | 1.329 | 67.38 | 66.87 |

¹ Data included in total.

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

HOSIERY—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings in one week | Average actual earnings in one week |
|---|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|--|-------------------------------------|
| Knitters' helpers, full-fashioned, male: | | | | | | | | | |
| Illinois..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Massachusetts..... | 6 | 84 | 5.6 | 48.5 | 46.4 | 95.7 | \$0.349 | \$16.93 | \$16.21 |
| Minnesota and Wisconsin..... | 4 | 74 | 5.7 | 49.8 | 48.5 | 97.4 | .396 | 19.72 | 19.22 |
| New Jersey..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New York..... | 3 | 50 | 5.9 | 49.4 | 49.6 | 100.4 | .331 | 16.35 | 16.43 |
| Pennsylvania..... | 17 | 989 | 5.7 | 51.6 | 51.9 | 100.6 | .344 | 17.75 | 17.86 |
| All States..... | 33 | 1,231 | 5.7 | 51.1 | 51.1 | 100.0 | .346 | 17.68 | 17.67 |
| Knitters, rib, male: | | | | | | | | | |
| Alabama and Louisiana..... | 2 | 9 | 5.7 | 56.0 | 55.4 | 98.9 | .258 | 14.45 | 14.30 |
| Georgia..... | 5 | 16 | 5.3 | 55.6 | 46.9 | 84.4 | .241 | 13.40 | 11.32 |
| Illinois..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Maryland and West Virginia..... | 4 | 6 | 5.7 | 54.2 | 52.5 | 96.9 | .284 | 15.39 | 14.90 |
| Michigan..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Minnesota and Wisconsin..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New Hampshire and Vermont..... | 3 | 9 | 4.1 | 54.8 | 37.1 | 67.7 | .476 | 26.08 | 17.63 |
| North Carolina..... | 6 | 17 | 5.2 | 55.0 | 49.8 | 90.5 | .278 | 15.29 | 13.86 |
| Pennsylvania..... | 5 | 12 | 5.5 | 50.8 | 47.7 | 93.9 | .444 | 22.56 | 21.18 |
| Tennessee..... | 8 | 35 | 4.8 | 53.6 | 45.2 | 84.3 | .343 | 18.38 | 15.53 |
| Virginia..... | 3 | 9 | 5.9 | 53.0 | 52.7 | 99.4 | .344 | 18.23 | 18.15 |
| All States..... | 40 | 120 | 5.2 | 54.0 | 47.8 | 88.5 | .393 | 17.98 | 15.95 |
| Knitters, rib, female: | | | | | | | | | |
| Alabama and Louisiana..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Georgia..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Illinois..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Maryland and West Virginia..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Minnesota and Wisconsin..... | 4 | 5 | 6.0 | 49.9 | 47.7 | 95.6 | .376 | 18.76 | 17.90 |
| New Hampshire and Vermont..... | 3 | 5 | 4.4 | 49.7 | 36.7 | 73.8 | .304 | 15.11 | 11.16 |
| Pennsylvania..... | 6 | 22 | 5.0 | 50.4 | 42.9 | 85.1 | .438 | 22.08 | 18.78 |
| Tennessee..... | 3 | 19 | 4.9 | 53.2 | 42.4 | 79.7 | .290 | 15.43 | 12.29 |
| All States..... | 20 | 74 | 5.2 | 51.5 | 44.2 | 85.8 | .342 | 17.61 | 15.10 |
| Knitters, transfer, male: | | | | | | | | | |
| Georgia..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Maryland and West Virginia..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Michigan..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Minnesota and Wisconsin..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| North Carolina..... | 6 | 42 | 4.5 | 55.0 | 45.5 | 82.7 | .322 | 17.71 | 14.68 |
| Tennessee..... | 7 | 137 | 4.7 | 53.9 | 46.5 | 86.3 | .306 | 16.49 | 14.21 |
| Virginia..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States..... | 18 | 205 | 4.7 | 53.8 | 46.0 | 85.5 | .317 | 17.05 | 14.58 |
| Knitters, transfer, female: | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 244 | 5.3 | 55.0 | 48.6 | 88.4 | .218 | 11.99 | 10.60 |
| Georgia..... | 6 | 285 | 5.1 | 55.3 | 45.6 | 82.5 | .199 | 11.00 | 9.07 |
| Illinois..... | 2 | 51 | 5.5 | 51.7 | 47.1 | 91.1 | .266 | 13.75 | 12.52 |
| Indiana..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Maryland and West Virginia..... | 4 | 163 | 4.7 | 54.3 | 43.0 | 79.2 | .279 | 15.15 | 11.98 |
| Michigan..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Minnesota and Wisconsin..... | 5 | 143 | 5.6 | 49.7 | 45.5 | 91.5 | .395 | 19.63 | 17.97 |
| New Hampshire and Vermont..... | 5 | 49 | 4.4 | 49.6 | 38.0 | 76.6 | .343 | 17.01 | 13.02 |
| North Carolina..... | 7 | 211 | 5.4 | 55.2 | 49.7 | 90.0 | .240 | 13.25 | 11.90 |
| Pennsylvania..... | 11 | 677 | 4.9 | 51.6 | 44.3 | 85.9 | .399 | 20.59 | 17.68 |
| Tennessee..... | 9 | 516 | 5.0 | 53.7 | 44.2 | 82.3 | .257 | 13.80 | 11.37 |
| Virginia..... | 3 | 99 | 5.4 | 53.4 | 46.6 | 87.3 | .218 | 11.64 | 10.13 |
| All States..... | 58 | 2,483 | 5.1 | 53.1 | 45.4 | 85.5 | .294 | 15.61 | 13.35 |

¹ Data included in total.

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

HOSIERY—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|---------------------------------|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Loopers, female: | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 112 | 5.8 | 54.5 | 51.1 | 93.8 | \$0.211 | \$11.60 | \$10.79 |
| Georgia..... | 7 | 263 | 5.1 | 55.2 | 43.6 | 79.0 | .250 | 13.80 | 10.91 |
| Illinois..... | 5 | 133 | 5.1 | 55.7 | 38.4 | 68.9 | .256 | 14.26 | 9.81 |
| Indiana..... | 3 | 105 | 5.7 | 49.8 | 46.9 | 94.2 | .487 | 24.25 | 22.86 |
| Maryland and West Virginia..... | 3 | 68 | 5.0 | 52.8 | 45.6 | 86.4 | .291 | 15.36 | 13.28 |
| Massachusetts..... | 7 | 87 | 5.0 | 48.0 | 40.8 | 85.0 | .540 | 25.92 | 22.08 |
| Michigan..... | 3 | 44 | 5.1 | 50.8 | 30.5 | 60.0 | .650 | 27.94 | 16.77 |
| Minnesota and Wisconsin..... | 6 | 257 | 5.6 | 49.7 | 42.7 | 85.9 | .459 | 22.81 | 19.60 |
| New Hampshire and Vermont..... | 6 | 73 | 5.1 | 50.3 | 43.5 | 86.5 | .366 | 18.41 | 15.96 |
| New Jersey..... | 4 | 85 | 5.5 | 47.2 | 38.7 | 82.0 | .639 | 30.16 | 24.72 |
| New York..... | 4 | 51 | 5.8 | 48.2 | 45.5 | 94.4 | .651 | 31.38 | 29.65 |
| North Carolina..... | 14 | 829 | 5.1 | 55.7 | 45.2 | 81.1 | .330 | 18.38 | 14.93 |
| Pennsylvania..... | 23 | 874 | 5.3 | 51.4 | 43.1 | 83.9 | .521 | 26.78 | 22.45 |
| Tennessee..... | 13 | 546 | 5.3 | 54.2 | 46.8 | 86.3 | .285 | 15.45 | 13.35 |
| Virginia..... | 3 | 80 | 5.7 | 52.8 | 50.1 | 94.9 | .241 | 12.72 | 12.05 |
| All States..... | 105 | 3,607 | 5.3 | 53.0 | 44.3 | 83.6 | .385 | 20.41 | 17.03 |
| Machine fixers, male: | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 20 | 6.0 | 55.0 | 55.8 | 101.5 | .558 | 30.69 | 31.10 |
| Georgia..... | 7 | 60 | 5.7 | 55.1 | 54.2 | 98.4 | .675 | 31.68 | 31.16 |
| Illinois..... | 5 | 49 | 5.5 | 55.9 | 53.8 | 96.2 | .577 | 32.25 | 31.08 |
| Indiana..... | 2 | 38 | 5.6 | 49.5 | 57.1 | 115.4 | .994 | 49.20 | 56.76 |
| Maryland and West Virginia..... | 4 | 17 | 5.9 | 53.5 | 57.8 | 108.0 | .486 | 26.00 | 28.07 |
| Massachusetts..... | 5 | 10 | 6.0 | 48.2 | 49.4 | 102.5 | 1.188 | 57.26 | 58.64 |
| Michigan..... | 3 | 14 | 5.7 | 52.9 | 55.9 | 105.7 | .620 | 32.80 | 34.68 |
| Minnesota and Wisconsin..... | 6 | 75 | 5.6 | 52.2 | 51.0 | 97.7 | .855 | 44.63 | 43.57 |
| New Hampshire and Vermont..... | 6 | 17 | 5.9 | 52.1 | 60.4 | 115.9 | .674 | 35.12 | 40.69 |
| New Jersey..... | 3 | 7 | 6.0 | 49.1 | 49.1 | 100.0 | 1.855 | 91.08 | 91.15 |
| New York..... | 4 | 10 | 6.0 | 49.3 | 49.3 | 100.0 | 1.625 | 80.11 | 80.07 |
| North Carolina..... | 18 | 157 | 5.6 | 55.9 | 56.0 | 100.2 | .668 | 37.34 | 37.41 |
| Pennsylvania..... | 22 | 129 | 5.8 | 51.7 | 51.9 | 100.4 | 1.079 | 55.78 | 56.02 |
| Tennessee..... | 13 | 195 | 5.8 | 54.4 | 54.9 | 100.9 | .638 | 34.71 | 35.01 |
| Virginia..... | 2 | 12 | 6.0 | 52.5 | 54.0 | 102.9 | .567 | 29.77 | 30.65 |
| All States..... | 99 | 810 | 5.7 | 53.7 | 54.3 | 101.1 | .760 | 40.81 | 41.25 |
| Menders, female: | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 18 | 4.7 | 53.8 | 41.9 | 77.9 | .214 | 11.51 | 8.97 |
| Georgia..... | 7 | 46 | 4.5 | 54.0 | 40.5 | 73.8 | .235 | 12.90 | 9.52 |
| Illinois..... | 5 | 85 | 5.5 | 52.8 | 47.5 | 90.0 | .398 | 21.01 | 18.93 |
| Indiana..... | 3 | 69 | 5.6 | 49.7 | 47.6 | 95.8 | .419 | 20.82 | 19.94 |
| Maryland and West Virginia..... | 3 | 37 | 5.4 | 54.2 | 47.8 | 88.2 | .198 | 10.73 | 9.45 |
| Massachusetts..... | 5 | 46 | 5.7 | 48.0 | 45.6 | 95.0 | .434 | 20.83 | 19.77 |
| Michigan..... | 3 | 5 | 4.2 | 50.7 | 29.1 | 57.4 | .505 | 25.60 | 14.69 |
| Minnesota and Wisconsin..... | 6 | 124 | 5.4 | 49.5 | 42.5 | 85.9 | .400 | 19.80 | 16.99 |
| New Hampshire and Vermont..... | 6 | 38 | 5.1 | 49.8 | 42.1 | 84.5 | .329 | 16.38 | 13.83 |
| New Jersey..... | 4 | 80 | 5.9 | 47.4 | 45.0 | 94.9 | .500 | 23.70 | 22.49 |
| New York..... | 3 | 51 | 5.4 | 47.9 | 42.5 | 88.7 | .694 | 33.24 | 29.46 |
| North Carolina..... | 14 | 115 | 4.8 | 55.9 | 44.8 | 80.1 | .257 | 14.37 | 11.52 |
| Pennsylvania..... | 24 | 379 | 5.5 | 50.2 | 47.3 | 94.2 | .483 | 24.25 | 22.88 |
| Tennessee..... | 13 | 187 | 5.4 | 54.1 | 47.6 | 88.0 | .220 | 11.90 | 10.45 |
| Virginia..... | 3 | 14 | 5.9 | 51.2 | 49.7 | 97.1 | .194 | 9.93 | 9.63 |
| All States..... | 103 | 1,294 | 5.4 | 51.4 | 45.8 | 89.1 | .387 | 19.89 | 17.72 |
| Pairs or maters, female: | | | | | | | | | |
| Alabama and Louisiana..... | 3 | 22 | 5.3 | 54.3 | 44.8 | 82.5 | .219 | 11.89 | 9.78 |
| Georgia..... | 7 | 77 | 5.4 | 54.3 | 47.5 | 87.5 | .207 | 11.24 | 9.81 |
| Illinois..... | 5 | 53 | 5.5 | 56.0 | 49.4 | 88.2 | .302 | 16.91 | 14.90 |
| Indiana..... | 2 | 74 | 5.8 | 49.9 | 52.1 | 104.4 | .407 | 20.31 | 21.21 |
| Maryland and West Virginia..... | 1 | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) | (¹) |
| Massachusetts..... | 3 | 32 | 5.2 | 48.0 | 41.1 | 85.6 | .462 | 22.18 | 18.06 |

¹ Data included in total.

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

HOSIERY—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|---|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Pairers or maters, female—Contd. | | | | | | | | | |
| Michigan..... | 3 | 14 | 5.8 | 51.1 | 45.3 | 88.6 | \$0.394 | \$20.13 | \$17.83 |
| Minnesota and Wisconsin..... | 5 | 148 | 5.7 | 49.7 | 44.3 | 89.1 | .416 | 20.68 | 18.46 |
| New Hampshire and Vermont..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New Jersey..... | 2 | 21 | 5.8 | 46.3 | 46.0 | 99.4 | .451 | 20.88 | 20.74 |
| New York..... | 3 | 29 | 5.9 | 48.5 | 46.8 | 96.5 | .458 | 22.21 | 21.43 |
| North Carolina..... | 11 | 204 | 5.5 | 55.6 | 50.7 | 91.2 | .301 | 16.74 | 15.26 |
| Pennsylvania..... | 22 | 403 | 5.7 | 51.3 | 48.7 | 94.9 | .437 | 22.42 | 21.28 |
| Tennessee..... | 11 | 113 | 5.1 | 53.8 | 45.9 | 85.3 | .273 | 14.69 | 12.52 |
| Virginia..... | 3 | 20 | 5.9 | 52.4 | 50.6 | 96.6 | .274 | 14.36 | 13.85 |
| All States..... | 82 | 1,219 | 5.6 | 52.2 | 48.0 | 92.0 | .367 | 19.16 | 17.62 |
| Seamers, full-fashioned, female: | | | | | | | | | |
| Illinois..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana..... | 2 | 62 | 5.5 | 50.0 | 48.1 | 96.2 | .403 | 20.15 | 19.38 |
| Massachusetts..... | 7 | 99 | 5.3 | 48.0 | 40.8 | 85.0 | .504 | 24.19 | 20.53 |
| Minnesota and Wisconsin..... | 4 | 53 | 5.8 | 49.3 | 43.8 | 88.8 | .439 | 21.64 | 19.22 |
| New Jersey..... | 4 | 87 | 5.8 | 47.2 | 44.4 | 94.1 | .562 | 26.53 | 24.97 |
| New York..... | 4 | 62 | 5.9 | 48.2 | 46.7 | 96.9 | .522 | 25.16 | 24.35 |
| Pennsylvania..... | 18 | 587 | 5.5 | 50.6 | 47.0 | 92.9 | .511 | 25.86 | 23.90 |
| All States..... | 40 | 954 | 5.6 | 49.8 | 45.9 | 92.2 | .504 | 25.10 | 23.13 |
| Seamers, mock, female: | | | | | | | | | |
| Alabama and Louisiana..... | 2 | 10 | 6.0 | 55.5 | 48.4 | 87.2 | .263 | 14.60 | 12.71 |
| Georgia..... | 3 | 41 | 5.3 | 55.4 | 47.1 | 85.0 | .226 | 12.52 | 10.67 |
| Illinois..... | 4 | 21 | 5.9 | 53.5 | 46.5 | 86.9 | .331 | 17.71 | 15.41 |
| Indiana..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Maryland and West Virginia..... | 2 | 9 | 5.0 | 52.2 | 44.1 | 84.5 | .321 | 16.76 | 14.15 |
| Michigan..... | 2 | 13 | 4.9 | 50.2 | 35.2 | 70.1 | .372 | 18.67 | 13.10 |
| Minnesota and Wisconsin..... | 5 | 35 | 5.4 | 49.8 | 40.6 | 81.5 | .381 | 18.97 | 15.48 |
| North Carolina..... | 7 | 98 | 5.0 | 55.1 | 44.7 | 81.1 | .294 | 16.20 | 13.17 |
| Pennsylvania..... | 7 | 37 | 4.8 | 50.4 | 37.2 | 73.8 | .462 | 23.28 | 17.18 |
| Tennessee..... | 5 | 64 | 5.7 | 54.1 | 50.1 | 92.6 | .260 | 14.07 | 13.02 |
| Virginia..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States..... | 39 | 336 | 5.3 | 53.5 | 44.5 | 83.2 | .306 | 16.37 | 13.63 |
| Toppers, full-fashioned, female: | | | | | | | | | |
| Illinois..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Massachusetts..... | 7 | 150 | 5.6 | 48.0 | 44.6 | 92.9 | .499 | 23.95 | 22.26 |
| Minnesota and Wisconsin..... | 4 | 170 | 5.6 | 49.6 | 46.2 | 93.1 | .437 | 21.68 | 20.22 |
| New Jersey..... | 4 | 118 | 5.8 | 48.4 | 46.8 | 96.7 | .585 | 28.31 | 27.37 |
| New York..... | 4 | 75 | 5.9 | 48.2 | 48.0 | 99.6 | .674 | 32.49 | 32.36 |
| Pennsylvania..... | 18 | 963 | 5.6 | 50.6 | 48.9 | 96.6 | .583 | 29.50 | 28.52 |
| All States..... | 39 | 1,512 | 5.7 | 49.9 | 48.1 | 96.4 | .561 | 27.99 | 26.99 |
| Welters, female: | | | | | | | | | |
| Alabama and Louisiana..... | 2 | 3 | 5.0 | 55.5 | 19.0 | 34.2 | .189 | 10.49 | 3.60 |
| Georgia..... | 3 | 9 | 4.7 | 53.3 | 39.1 | 73.4 | .265 | 14.12 | 10.38 |
| Illinois..... | 2 | 7 | 5.6 | 56.4 | 39.6 | 70.2 | .516 | 29.10 | 20.47 |
| Maryland and West Virginia..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Michigan..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Minnesota and Wisconsin..... | 3 | 6 | 6.0 | 49.6 | 44.4 | 89.5 | .344 | 17.06 | 15.24 |
| New Hampshire and Vermont..... | 2 | 5 | 5.6 | 50.0 | 45.0 | 90.0 | .432 | 21.60 | 19.44 |
| North Carolina..... | 4 | 34 | 5.0 | 56.9 | 41.7 | 73.3 | .277 | 15.76 | 11.55 |
| Pennsylvania..... | 5 | 18 | 4.4 | 49.5 | 33.4 | 67.5 | .398 | 19.70 | 13.29 |
| Tennessee..... | 6 | 43 | 5.4 | 53.0 | 47.5 | 89.6 | .312 | 16.54 | 14.81 |
| Virginia..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States..... | 30 | 144 | 5.1 | 53.4 | 42.2 | 79.0 | .316 | 16.87 | 13.35 |

¹Data included in total.

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

HOSIERY—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|---------------------------------|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Winders, male: | | | | | | | | | |
| Illinois..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Maryland and West Virginia..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New Hampshire and Vermont..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New York..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| North Carolina..... | 8 | 41 | 4.3 | 56.1 | 45.0 | 80.2 | \$0.442 | \$24.80 | \$19.92 |
| Pennsylvania..... | 5 | 52 | 5.5 | 50.1 | 48.9 | 97.6 | .296 | 14.83 | 14.47 |
| Tennessee..... | 2 | 6 | 4.2 | 57.0 | 41.4 | 72.6 | .331 | 18.87 | 13.70 |
| All States..... | 19 | 121 | 4.9 | 53.1 | 47.3 | 89.1 | .337 | 17.89 | 15.94 |
| Winders, female: | | | | | | | | | |
| Alabama and Louisiana..... | 2 | 3 | 5.7 | 55.3 | 53.7 | 97.1 | .319 | 17.64 | 17.30 |
| Georgia..... | 6 | 17 | 5.5 | 54.1 | 49.3 | 91.1 | .282 | 15.26 | 13.89 |
| Illinois..... | 2 | 21 | 4.5 | 50.9 | 37.1 | 72.9 | .321 | 16.34 | 11.90 |
| Indiana..... | 2 | 22 | 5.7 | 50.0 | 47.7 | 95.4 | .357 | 17.85 | 17.06 |
| Maryland and West Virginia..... | 4 | 24 | 4.7 | 52.9 | 43.6 | 82.4 | .225 | 11.90 | 9.81 |
| Massachusetts..... | 6 | 56 | 5.6 | 48.0 | 44.3 | 92.3 | .467 | 22.42 | 20.68 |
| Michigan..... | 3 | 22 | 5.8 | 51.1 | 48.7 | 95.3 | .247 | 12.62 | 12.05 |
| Minnesota and Wisconsin..... | 5 | 65 | 5.4 | 49.5 | 43.4 | 87.7 | .363 | 17.97 | 15.75 |
| New Hampshire and Vermont..... | 6 | 22 | 5.2 | 49.5 | 43.0 | 86.9 | .297 | 14.70 | 12.78 |
| New Jersey..... | 2 | 36 | 5.7 | 48.0 | 40.2 | 83.8 | .459 | 22.03 | 18.44 |
| New York..... | 4 | 17 | 5.5 | 47.9 | 45.9 | 95.8 | .572 | 27.40 | 26.28 |
| North Carolina..... | 11 | 135 | 5.0 | 55.2 | 46.4 | 84.1 | .351 | 19.38 | 16.29 |
| Pennsylvania..... | 20 | 168 | 5.4 | 49.8 | 45.1 | 90.6 | .421 | 20.97 | 19.01 |
| Tennessee..... | 9 | 75 | 5.3 | 55.0 | 47.6 | 86.5 | .255 | 14.03 | 12.14 |
| Virginia..... | 2 | 8 | 5.3 | 52.5 | 42.1 | 80.2 | .385 | 20.21 | 16.18 |
| All States..... | 84 | 691 | 5.3 | 51.4 | 45.1 | 87.7 | .366 | 18.81 | 16.53 |
| Other employees, male: | | | | | | | | | |
| Alabama and Louisiana..... | 3 | 19 | 6.0 | 53.9 | 54.9 | 101.9 | .284 | 15.31 | 15.62 |
| Georgia..... | 7 | 81 | 5.2 | 55.6 | 49.8 | 89.6 | .251 | 13.96 | 12.48 |
| Illinois..... | 6 | 129 | 5.5 | 54.9 | 50.1 | 91.3 | .400 | 21.96 | 20.05 |
| Indiana..... | 3 | 118 | 5.6 | 50.0 | 51.7 | 103.4 | .478 | 23.90 | 24.73 |
| Maryland and West Virginia..... | 4 | 54 | 5.4 | 52.7 | 48.0 | 91.1 | .310 | 16.34 | 14.90 |
| Massachusetts..... | 7 | 28 | 5.8 | 48.1 | 45.9 | 95.4 | .438 | 21.07 | 20.13 |
| Michigan..... | 3 | 34 | 6.0 | 53.1 | 51.7 | 97.4 | .537 | 28.51 | 27.75 |
| Minnesota and Wisconsin..... | 6 | 200 | 5.8 | 51.0 | 49.7 | 97.5 | .467 | 23.82 | 23.18 |
| New Hampshire and Vermont..... | 6 | 35 | 5.1 | 50.4 | 43.7 | 86.7 | .358 | 18.04 | 15.65 |
| New Jersey..... | 4 | 64 | 5.9 | 47.9 | 47.4 | 99.0 | .558 | 26.73 | 26.46 |
| New York..... | 4 | 27 | 5.9 | 49.8 | 48.5 | 97.4 | .617 | 30.73 | 29.95 |
| North Carolina..... | 14 | 389 | 5.3 | 55.6 | 49.5 | 89.0 | .328 | 18.24 | 16.23 |
| Pennsylvania..... | 24 | 708 | 5.6 | 51.1 | 50.0 | 97.8 | .472 | 24.12 | 23.62 |
| Tennessee..... | 12 | 251 | 5.4 | 54.5 | 50.2 | 92.1 | .318 | 17.33 | 15.97 |
| Virginia..... | 3 | 44 | 5.8 | 53.3 | 50.8 | 95.3 | .362 | 19.29 | 18.42 |
| All States..... | 106 | 2,181 | 5.5 | 52.6 | 49.8 | 94.7 | .411 | 21.62 | 20.48 |
| Other employees, female: | | | | | | | | | |
| Alabama and Louisiana..... | 3 | 125 | 5.3 | 53.4 | 45.5 | 85.2 | .170 | 9.08 | 7.72 |
| Georgia..... | 7 | 161 | 5.1 | 55.1 | 45.1 | 81.9 | .137 | 7.55 | 6.18 |
| Illinois..... | 5 | 179 | 5.3 | 53.3 | 45.8 | 85.9 | .262 | 13.96 | 11.98 |
| Indiana..... | 2 | 51 | 5.9 | 48.9 | 47.5 | 97.1 | .355 | 17.36 | 16.85 |
| Maryland and West Virginia..... | 4 | 130 | 4.4 | 54.1 | 39.5 | 73.0 | .167 | 9.03 | 6.59 |
| Massachusetts..... | 7 | 173 | 5.4 | 48.0 | 43.0 | 89.6 | .280 | 13.44 | 12.04 |
| Michigan..... | 3 | 47 | 5.5 | 51.2 | 41.1 | 80.3 | .351 | 17.97 | 14.42 |
| Minnesota and Wisconsin..... | 6 | 180 | 5.3 | 49.6 | 42.2 | 85.1 | .347 | 17.21 | 14.64 |
| New Hampshire and Vermont..... | 5 | 60 | 4.9 | 50.2 | 42.2 | 84.1 | .247 | 12.40 | 10.43 |
| New Jersey..... | 4 | 90 | 5.9 | 46.9 | 46.7 | 99.6 | .359 | 16.84 | 16.74 |
| New York..... | 4 | 89 | 5.6 | 47.7 | 45.2 | 94.8 | .393 | 18.75 | 17.77 |
| North Carolina..... | 13 | 505 | 5.2 | 55.3 | 46.6 | 84.3 | .213 | 11.78 | 9.92 |
| Pennsylvania..... | 24 | 1,143 | 5.4 | 48.9 | 45.6 | 93.3 | .300 | 14.67 | 13.66 |
| Tennessee..... | 13 | 413 | 5.6 | 55.1 | 49.5 | 89.8 | .192 | 10.58 | 9.50 |
| Virginia..... | 3 | 85 | 5.6 | 51.7 | 45.6 | 88.2 | .212 | 10.96 | 9.66 |
| All States..... | 108 | 3,431 | 5.3 | 51.5 | 45.6 | 88.5 | .258 | 13.29 | 11.75 |

1 Data included in total.

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

HOSIERY—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|--|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| All employees, male: | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 85 | 5.6 | 54.4 | 50.1 | 92.1 | \$0.359 | \$19.53 | \$17.98 |
| Georgia..... | 7 | 353 | 5.3 | 55.4 | 49.1 | 88.6 | .347 | 19.22 | 17.05 |
| Illinois..... | 6 | 327 | 5.5 | 55.9 | 51.8 | 92.7 | .451 | 25.21 | 23.32 |
| Indiana..... | 3 | 267 | 5.5 | 49.9 | 51.3 | 102.8 | .731 | 36.45 | 37.50 |
| Maryland and West Virginia..... | 4 | 130 | 5.5 | 53.2 | 48.0 | 90.2 | .374 | 19.90 | 17.97 |
| Massachusetts..... | 7 | 437 | 5.8 | 48.5 | 47.3 | 97.5 | 1.152 | 55.87 | 54.49 |
| Michigan..... | 3 | 62 | 5.8 | 53.8 | 53.4 | 99.3 | .563 | 30.29 | 30.11 |
| Minnesota and Wisconsin..... | 6 | 772 | 5.7 | 50.8 | 49.8 | 98.0 | .745 | 37.85 | 37.09 |
| New Hampshire and Vermont..... | 6 | 99 | 5.3 | 52.4 | 49.1 | 93.7 | .482 | 25.26 | 23.70 |
| New Jersey..... | 4 | 382 | 5.9 | 49.2 | 48.4 | 98.4 | 1.134 | 53.25 | 57.29 |
| New York..... | 4 | 275 | 5.8 | 49.5 | 48.6 | 98.2 | 1.247 | 61.73 | 60.64 |
| North Carolina..... | 14 | 1,330 | 5.3 | 55.8 | 50.2 | 90.0 | .420 | 23.44 | 21.06 |
| Pennsylvania..... | 24 | 3,846 | 5.6 | 51.4 | 50.7 | 98.6 | .869 | 44.67 | 44.10 |
| Tennessee..... | 13 | 923 | 5.3 | 54.6 | 50.0 | 91.6 | .403 | 22.00 | 20.14 |
| Virginia..... | 3 | 113 | 5.8 | 53.1 | 49.7 | 93.6 | .370 | 19.65 | 18.40 |
| All States..... | 108 | 9,401 | 5.5 | 52.4 | 50.1 | 95.6 | .724 | 37.94 | 36.28 |
| All employees, female: | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 646 | 5.3 | 54.6 | 47.4 | 86.8 | .204 | 11.14 | 9.65 |
| Georgia..... | 7 | 1,055 | 5.2 | 55.1 | 45.3 | 82.2 | .207 | 11.41 | 9.37 |
| Illinois..... | 6 | 571 | 5.4 | 54.1 | 45.4 | 83.9 | .300 | 16.23 | 13.63 |
| Indiana..... | 3 | 570 | 5.6 | 49.6 | 48.1 | 97.0 | .412 | 20.44 | 19.84 |
| Maryland and West Virginia..... | 4 | 527 | 4.7 | 53.6 | 43.0 | 80.2 | .238 | 12.76 | 10.25 |
| Massachusetts..... | 7 | 717 | 5.5 | 48.0 | 43.3 | 90.2 | .438 | 20.03 | 18.87 |
| Michigan..... | 3 | 271 | 5.4 | 50.8 | 40.7 | 80.1 | .369 | 18.75 | 15.02 |
| Minnesota and Wisconsin..... | 6 | 1,580 | 5.6 | 49.7 | 43.9 | 88.3 | .408 | 20.28 | 17.90 |
| New Hampshire and Vermont..... | 6 | 324 | 5.0 | 50.1 | 42.3 | 84.4 | .334 | 16.73 | 14.10 |
| New Jersey..... | 4 | 615 | 5.8 | 47.4 | 44.0 | 92.8 | .531 | 25.17 | 23.40 |
| New York..... | 4 | 505 | 5.6 | 48.1 | 45.1 | 93.8 | .541 | 26.02 | 24.40 |
| North Carolina..... | 14 | 2,568 | 5.2 | 55.5 | 46.7 | 84.1 | .286 | 15.87 | 13.38 |
| Pennsylvania..... | 24 | 6,089 | 5.4 | 50.5 | 45.8 | 90.7 | .453 | 22.88 | 20.77 |
| Tennessee..... | 13 | 2,484 | 5.3 | 54.1 | 47.0 | 86.9 | .248 | 13.42 | 11.68 |
| Virginia..... | 3 | 392 | 5.6 | 52.8 | 47.9 | 90.7 | .217 | 11.46 | 10.40 |
| All States..... | 108 | 19,044 | 5.4 | 51.9 | 45.7 | 88.1 | .360 | 18.68 | 16.46 |
| All employees, male and female: | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 731 | 5.4 | 54.6 | 47.7 | 87.4 | .222 | 12.12 | 10.62 |
| Georgia..... | 7 | 1,408 | 5.2 | 55.1 | 46.3 | 84.0 | .244 | 13.44 | 11.30 |
| Illinois..... | 6 | 1,028 | 5.4 | 54.6 | 47.4 | 86.8 | .352 | 19.22 | 16.71 |
| Indiana..... | 3 | 837 | 5.6 | 49.7 | 49.1 | 98.8 | .518 | 25.74 | 25.47 |
| Maryland and West Virginia..... | 4 | 657 | 4.9 | 53.5 | 44.0 | 82.2 | .268 | 14.34 | 11.78 |
| Massachusetts..... | 7 | 1,154 | 5.6 | 48.2 | 44.8 | 92.9 | .722 | 34.80 | 32.36 |
| Michigan..... | 3 | 333 | 5.5 | 51.4 | 43.1 | 83.9 | .414 | 21.28 | 17.33 |
| Minnesota and Wisconsin..... | 6 | 2,352 | 5.6 | 50.0 | 45.8 | 91.6 | .528 | 26.40 | 24.20 |
| New Hampshire and Vermont..... | 6 | 423 | 5.0 | 50.6 | 43.9 | 86.8 | .373 | 18.87 | 16.35 |
| New Jersey..... | 4 | 997 | 5.8 | 48.1 | 45.7 | 95.0 | .796 | 38.29 | 36.38 |
| New York..... | 4 | 780 | 5.7 | 48.6 | 46.3 | 95.3 | .802 | 38.98 | 37.18 |
| North Carolina..... | 14 | 3,898 | 5.2 | 55.6 | 47.9 | 86.2 | .334 | 18.57 | 16.00 |
| Pennsylvania..... | 24 | 9,935 | 5.5 | 50.8 | 47.7 | 93.9 | .625 | 31.75 | 29.80 |
| Tennessee..... | 13 | 3,407 | 5.3 | 54.3 | 47.8 | 88.0 | .292 | 15.86 | 13.97 |
| Virginia..... | 3 | 505 | 5.6 | 52.8 | 48.3 | 91.5 | .252 | 13.31 | 12.19 |
| All States..... | 108 | 28,445 | 5.4 | 52.1 | 47.1 | 90.4 | .488 | 25.42 | 23.01 |

UNDERWEAR

| | | | | | | | | | |
|-----------------------------------|---|----|-----|------|------|------|---------|---------|---------|
| Buttonhole makers, female: | | | | | | | | | |
| Connecticut and Rhode Island..... | 5 | 10 | 4.7 | 50.5 | 39.1 | 77.4 | \$0.438 | \$22.12 | \$17.13 |
| Illinois..... | 3 | 11 | 5.6 | 45.7 | 43.9 | 96.1 | .598 | 27.33 | 26.26 |
| Indiana..... | 3 | 9 | 5.6 | 49.6 | 41.3 | 83.3 | .378 | 18.75 | 15.62 |
| Massachusetts..... | 4 | 26 | 5.1 | 48.0 | 42.3 | 88.1 | .387 | 18.58 | 16.39 |
| Michigan..... | 3 | 8 | 5.4 | 51.1 | 45.9 | 89.8 | .336 | 17.17 | 15.41 |
| Minnesota and Wisconsin..... | 4 | 25 | 5.3 | 48.6 | 42.2 | 86.8 | .412 | 20.02 | 17.37 |

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

UNDERWEAR—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|---|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Buttonhole makers, female—Con | | | | | | | | | |
| New Hampshire and Vermont | 3 | 17 | 5.6 | 49.8 | 44.9 | 90.2 | \$0.435 | \$21.66 | \$19.52 |
| New York | 27 | 153 | 5.1 | 48.6 | 38.2 | 78.6 | .321 | 15.60 | 12.26 |
| North Carolina | 3 | 20 | 5.1 | 53.9 | 44.9 | 83.3 | .211 | 11.37 | 9.46 |
| Pennsylvania | 13 | 36 | 5.5 | 52.5 | 46.5 | 88.6 | .340 | 17.85 | 15.80 |
| Tennessee | 5 | 44 | 5.0 | 54.9 | 47.2 | 86.0 | .259 | 14.22 | 12.23 |
| Virginia | 3 | 10 | 4.9 | 51.1 | 39.6 | 77.5 | .381 | 19.47 | 15.06 |
| All States | 76 | 369 | 5.2 | 50.1 | 41.8 | 83.4 | .340 | 17.03 | 14.20 |
| Button sewers, female: | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 11 | 4.5 | 51.9 | 38.6 | 74.4 | .367 | 19.05 | 14.17 |
| Illinois | 3 | 8 | 6.0 | 45.8 | 43.4 | 94.8 | .506 | 23.17 | 21.96 |
| Indiana | 3 | 7 | 6.0 | 49.4 | 41.6 | 84.2 | .400 | 19.76 | 16.61 |
| Massachusetts | 3 | 18 | 5.1 | 48.0 | 42.2 | 87.9 | .406 | 19.49 | 17.17 |
| Michigan | 3 | 12 | 5.4 | 52.5 | 44.5 | 84.8 | .245 | 12.86 | 10.92 |
| Minnesota and Wisconsin | 4 | 18 | 5.3 | 48.5 | 41.1 | 84.7 | .407 | 19.74 | 16.71 |
| New Hampshire and Vermont | 3 | 17 | 5.0 | 49.4 | 40.9 | 82.8 | .373 | 18.43 | 15.23 |
| New York | 27 | 142 | 5.2 | 48.7 | 38.2 | 78.4 | .298 | 14.51 | 11.38 |
| North Carolina | 4 | 23 | 5.0 | 54.0 | 42.6 | 78.9 | .218 | 11.77 | 9.27 |
| Pennsylvania | 13 | 41 | 5.7 | 52.5 | 49.2 | 93.7 | .302 | 15.86 | 14.84 |
| Tennessee | 5 | 63 | 5.1 | 54.9 | 47.4 | 86.3 | .233 | 12.79 | 11.03 |
| Virginia | 3 | 16 | 4.4 | 50.3 | 36.7 | 73.0 | .313 | 15.64 | 11.44 |
| All States | 76 | 376 | 5.2 | 50.7 | 42.0 | 82.8 | .302 | 15.31 | 12.67 |
| Cutters, hand, layers-up, and markers, male: | | | | | | | | | |
| Connecticut and Rhode Island | 3 | 6 | 5.3 | 52.3 | 50.3 | 96.2 | .432 | 22.59 | 21.71 |
| Illinois | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana | 3 | 8 | 5.4 | 50.8 | 46.5 | 91.5 | .500 | 25.40 | 23.28 |
| Massachusetts | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Minnesota and Wisconsin | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New Hampshire and Vermont | 2 | 20 | 5.7 | 50.0 | 47.6 | 95.2 | .452 | 22.60 | 21.52 |
| New York | 20 | 133 | 5.5 | 49.1 | 46.1 | 93.9 | .502 | 24.65 | 23.15 |
| North Carolina | 3 | 23 | 5.2 | 54.2 | 45.7 | 84.3 | .349 | 18.92 | 15.94 |
| Pennsylvania | 8 | 26 | 5.9 | 52.7 | 52.4 | 99.4 | .447 | 23.56 | 23.38 |
| Tennessee | 5 | 44 | 5.2 | 55.4 | 48.7 | 87.9 | .329 | 18.23 | 16.02 |
| Virginia | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States | 48 | 284 | 5.4 | 51.1 | 47.0 | 92.0 | .448 | 22.89 | 21.08 |
| Cutters, hand, layers-up, and markers, female: | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 36 | 5.0 | 50.3 | 42.0 | 83.5 | .354 | 17.81 | 14.86 |
| Illinois | 2 | 8 | 5.3 | 46.6 | 40.9 | 87.8 | .426 | 19.85 | 17.39 |
| Indiana | 2 | 17 | 5.9 | 49.3 | 47.7 | 96.8 | .363 | 17.90 | 17.33 |
| Massachusetts | 4 | 100 | 4.8 | 48.0 | 40.2 | 83.8 | .378 | 18.14 | 15.20 |
| Michigan | 3 | 29 | 5.3 | 51.0 | 45.4 | 89.0 | .302 | 15.40 | 13.72 |
| Minnesota and Wisconsin | 4 | 61 | 5.3 | 48.6 | 44.2 | 90.9 | .457 | 22.21 | 20.21 |
| New Hampshire and Vermont | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New York | 5 | 20 | 5.5 | 49.0 | 41.5 | 84.7 | .297 | 14.55 | 12.33 |
| North Carolina | 2 | 5 | 5.6 | 55.0 | 48.7 | 88.5 | .142 | 7.81 | 6.92 |
| Pennsylvania | 19 | 114 | 5.5 | 52.1 | 47.5 | 91.2 | .319 | 16.62 | 15.13 |
| Tennessee | 4 | 40 | 5.2 | 54.5 | 48.6 | 89.2 | .285 | 14.44 | 12.89 |
| Virginia | 3 | 19 | 5.3 | 51.9 | 46.0 | 88.6 | .249 | 12.92 | 11.43 |
| All States | 54 | 455 | 5.2 | 50.4 | 44.5 | 88.3 | .344 | 17.34 | 15.33 |
| Cutters, power, male: | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 9 | 5.7 | 50.0 | 48.6 | 97.2 | .538 | 26.90 | 26.12 |
| Illinois | 2 | 2 | 5.5 | 45.8 | 44.7 | 97.6 | .656 | 30.04 | 29.28 |
| Indiana | 3 | 4 | 6.0 | 50.5 | 55.5 | 109.9 | .480 | 24.24 | 26.63 |
| Massachusetts | 3 | 9 | 5.7 | 48.0 | 47.2 | 98.3 | .773 | 37.10 | 36.48 |
| Michigan | 2 | 4 | 5.8 | 52.5 | 52.4 | 99.8 | .494 | 25.41 | 25.40 |
| Minnesota and Wisconsin | 3 | 4 | 5.8 | 49.5 | 48.1 | 97.2 | .637 | 31.53 | 30.60 |
| New Hampshire and Vermont | 3 | 9 | 5.8 | 49.1 | 50.0 | 101.8 | .541 | 26.56 | 27.04 |
| New York | 24 | 63 | 5.5 | 49.0 | 45.6 | 93.1 | .544 | 26.66 | 24.79 |

* 1 Data included in total.

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

UNDERWEAR—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|--|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Cutters, power, male—Continued. | | | | | | | | | |
| North Carolina..... | 2 | 5 | 8.0 | 53.0 | 41.0 | 77.4 | \$0.367 | \$19.45 | \$15.05 |
| Pennsylvania..... | 14 | 31 | 5.9 | 54.0 | 53.2 | 98.5 | .459 | 24.79 | 24.45 |
| Tennessee..... | 5 | 13 | 5.2 | 55.3 | 51.3 | 92.8 | .315 | 17.42 | 16.16 |
| Virginia..... | 2 | 4 | 6.0 | 51.0 | 52.1 | 102.2 | .409 | 20.86 | 21.29 |
| All States..... | 68 | 157 | 5.6 | 50.8 | 48.6 | 95.7 | .510 | 25.91 | 24.75 |
| Cutters, power, female: | | | | | | | | | |
| Michigan..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Minnesota and Wisconsin..... | 2 | 11 | 5.6 | 48.0 | 45.8 | 95.4 | .381 | 18.29 | 17.47 |
| New York..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| North Carolina..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Pennsylvania..... | 6 | 9 | 5.8 | 52.3 | 50.8 | 97.1 | .358 | 18.72 | 18.16 |
| Tennessee..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States..... | 12 | 41 | 5.7 | 50.0 | 47.3 | 94.6 | .356 | 17.80 | 16.86 |
| Finishers, female: | | | | | | | | | |
| Connecticut and Rhode Island..... | 6 | 177 | 4.5 | 51.5 | 37.6 | 73.0 | .359 | 18.49 | 13.50 |
| Illinois..... | 3 | 75 | 5.6 | 45.6 | 40.1 | 87.9 | .497 | 22.66 | 19.94 |
| Indiana..... | 3 | 64 | 5.8 | 49.3 | 43.3 | 87.8 | .399 | 19.67 | 17.26 |
| Massachusetts..... | 4 | 280 | 5.1 | 48.0 | 42.0 | 87.5 | .392 | 18.82 | 16.47 |
| Michigan..... | 3 | 86 | 5.5 | 51.7 | 46.8 | 90.5 | .290 | 14.99 | 13.60 |
| Minnesota and Wisconsin..... | 4 | 217 | 5.2 | 48.7 | 41.7 | 85.6 | .434 | 21.14 | 18.10 |
| New Hampshire and Vermont..... | 3 | 184 | 4.9 | 49.4 | 40.1 | 81.2 | .414 | 20.45 | 16.88 |
| New York..... | 27 | 1,084 | 5.0 | 48.7 | 37.3 | 76.6 | .325 | 15.83 | 12.11 |
| North Carolina..... | 4 | 147 | 5.0 | 53.6 | 45.6 | 85.0 | .325 | 12.60 | 10.25 |
| Pennsylvania..... | 19 | 536 | 5.5 | 52.1 | 46.7 | 89.6 | .322 | 16.78 | 15.04 |
| Tennessee..... | 5 | 220 | 5.1 | 54.6 | 48.0 | 87.9 | .279 | 15.23 | 13.30 |
| Virginia..... | 3 | 55 | 4.7 | 51.0 | 37.9 | 74.3 | .325 | 16.58 | 12.34 |
| All States..... | 84 | 3,175 | 5.1 | 50.2 | 41.4 | 82.5 | .341 | 17.12 | 14.12 |
| Folders, female: | | | | | | | | | |
| Connecticut and Rhode Island..... | 5 | 19 | 3.3 | 52.5 | 25.5 | 48.6 | .397 | 20.84 | 10.13 |
| Illinois..... | 3 | 23 | 5.5 | 45.3 | 42.0 | 92.7 | .420 | 19.03 | 17.68 |
| Indiana..... | 3 | 12 | 5.3 | 50.8 | 43.0 | 84.6 | .399 | 20.27 | 17.19 |
| Massachusetts..... | 3 | 40 | 5.6 | 48.0 | 44.5 | 92.7 | .412 | 19.78 | 18.33 |
| Michigan..... | 3 | 16 | 5.4 | 51.5 | 45.1 | 87.6 | .259 | 13.34 | 11.71 |
| Minnesota and Wisconsin..... | 3 | 45 | 4.7 | 48.3 | 38.0 | 78.7 | .426 | 20.58 | 16.19 |
| New Hampshire and Vermont..... | 3 | 15 | 5.1 | 49.1 | 42.0 | 85.5 | .393 | 19.80 | 16.48 |
| New York..... | 25 | 156 | 5.2 | 48.8 | 40.9 | 83.8 | .361 | 17.62 | 14.77 |
| North Carolina..... | 4 | 27 | 5.4 | 54.2 | 49.0 | 90.4 | .235 | 12.74 | 11.51 |
| Pennsylvania..... | 6 | 50 | 5.4 | 51.6 | 45.2 | 87.6 | .307 | 15.84 | 13.86 |
| Tennessee..... | 5 | 71 | 5.1 | 54.8 | 47.1 | 85.9 | .268 | 14.69 | 12.64 |
| Virginia..... | 3 | 14 | 4.6 | 50.7 | 36.8 | 72.6 | .318 | 16.12 | 11.71 |
| All States..... | 66 | 488 | 5.1 | 50.3 | 42.3 | 84.1 | .343 | 17.25 | 14.49 |
| Hemmers, female: | | | | | | | | | |
| Connecticut and Rhode Island..... | 3 | 5 | 5.4 | 50.0 | 45.7 | 91.4 | .379 | 18.95 | 17.31 |
| Illinois..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana..... | 2 | 7 | 6.0 | 47.3 | 45.7 | 96.6 | .476 | 22.51 | 21.75 |
| Massachusetts..... | 4 | 35 | 4.8 | 48.0 | 39.9 | 83.1 | .410 | 19.68 | 16.36 |
| Michigan..... | 2 | 3 | 5.7 | 50.3 | 48.2 | 95.8 | .457 | 22.99 | 22.04 |
| Minnesota and Wisconsin..... | 3 | 29 | 5.1 | 48.5 | 37.7 | 77.7 | .417 | 20.22 | 15.74 |
| New Hampshire and Vermont..... | 3 | 12 | 5.0 | 48.7 | 40.6 | 83.4 | .419 | 20.41 | 16.99 |
| New York..... | 17 | 90 | 5.3 | 48.6 | 39.0 | 80.2 | .338 | 16.43 | 13.21 |
| North Carolina..... | 2 | 3 | 5.0 | 53.3 | 43.2 | 81.1 | .243 | 12.95 | 10.47 |
| Pennsylvania..... | 8 | 17 | 5.6 | 52.4 | 48.5 | 92.6 | .353 | 18.50 | 17.12 |
| Tennessee..... | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States..... | 46 | 209 | 5.2 | 48.9 | 40.6 | 83.0 | .376 | 18.39 | 15.26 |

¹ Data included in total.

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

UNDERWEAR—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|--|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Inspectors, female: | | | | | | | | | |
| Connecticut and Rhode Island | 6 | 40 | 4.9 | 50.2 | 40.7 | 81.1 | \$0.338 | \$16.97 | \$13.74 |
| Illinois | 3 | 74 | 5.6 | 45.6 | 44.4 | 97.4 | .344 | 15.69 | 15.26 |
| Indiana | 3 | 34 | 5.9 | 49.9 | 49.2 | 98.6 | .345 | 17.22 | 16.96 |
| Massachusetts | 4 | 95 | 5.1 | 48.0 | 42.8 | 89.2 | .361 | 17.33 | 15.45 |
| Michigan | 3 | 21 | 5.4 | 51.7 | 46.5 | 89.9 | .277 | 14.32 | 12.87 |
| Minnesota and Wisconsin | 4 | 95 | 5.5 | 48.5 | 42.8 | 88.2 | .404 | 19.69 | 17.31 |
| New Hampshire and Vermont | 3 | 43 | 4.3 | 49.4 | 35.4 | 71.7 | .367 | 18.13 | 12.97 |
| New York | 27 | 482 | 5.2 | 48.6 | 40.0 | 82.3 | .224 | 10.89 | 8.94 |
| North Carolina | 4 | 31 | 4.9 | 55.2 | 44.4 | 80.4 | .172 | 9.49 | 7.65 |
| Pennsylvania | 18 | 182 | 5.6 | 52.5 | 46.6 | 88.8 | .308 | 16.17 | 14.36 |
| Tennessee | 5 | 154 | 5.1 | 54.6 | 46.5 | 85.2 | .233 | 12.72 | 10.82 |
| Virginia | 3 | 63 | 4.7 | 52.0 | 38.7 | 74.4 | .211 | 10.97 | 8.19 |
| All States | 83 | 1,314 | 5.2 | 50.1 | 42.6 | 85.0 | .278 | 13.93 | 11.83 |
| Knitters, cuff and ankle, male: | | | | | | | | | |
| Connecticut and Rhode Island | 2 | 3 | 5.0 | 50.0 | 40.7 | 81.4 | .566 | 28.30 | 23.00 |
| Illinois | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Massachusetts | 2 | 3 | 5.7 | 45.0 | 46.1 | 96.0 | .636 | 30.53 | 29.29 |
| New Hampshire and Vermont | 2 | 5 | 6.0 | 50.0 | 51.7 | 103.4 | .536 | 26.80 | 27.71 |
| New York | 16 | 24 | 5.4 | 48.7 | 47.8 | 98.2 | .534 | 26.01 | 25.56 |
| North Carolina | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Tennessee | 2 | 2 | 5.5 | 55.5 | 49.0 | 88.3 | .493 | 27.36 | 24.15 |
| Virginia | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States | 28 | 42 | 5.4 | 49.7 | 48.5 | 97.6 | .538 | 26.74 | 26.09 |
| Knitters, cuff and ankle, female: | | | | | | | | | |
| Indiana | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Massachusetts | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Michigan | 2 | 2 | 6.0 | 50.0 | 49.8 | 99.6 | .496 | 24.80 | 24.66 |
| Minnesota and Wisconsin | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New York | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Pennsylvania | 2 | 2 | 6.0 | 51.8 | 51.3 | 99.0 | .360 | 18.65 | 18.43 |
| All States | 8 | 9 | 5.9 | 49.7 | 48.7 | 98.0 | .469 | 23.31 | 22.85 |
| Knitters, wet or tube, male: | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 13 | 5.2 | 51.8 | 45.5 | 87.8 | .449 | 23.26 | 20.43 |
| Illinois | 3 | 8 | 6.0 | 46.2 | 59.7 | 129.2 | .561 | 25.92 | 33.47 |
| Indiana | 3 | 18 | 5.8 | 50.5 | 51.3 | 101.6 | .504 | 25.45 | 25.88 |
| Massachusetts | 3 | 42 | 5.1 | 50.3 | 46.2 | 91.8 | .580 | 29.17 | 26.79 |
| Michigan | 2 | 2 | 5.5 | 72.0 | 72.0 | 100.0 | .558 | 40.18 | 40.20 |
| Minnesota and Wisconsin | 3 | 9 | 5.3 | 52.5 | 48.1 | 91.6 | .679 | 35.65 | 32.70 |
| New Hampshire and Vermont | 3 | 38 | 5.0 | 49.4 | 44.2 | 89.5 | .493 | 24.35 | 21.82 |
| New York | 23 | 152 | 5.3 | 50.0 | 46.7 | 93.4 | .535 | 26.75 | 24.96 |
| North Carolina | 4 | 25 | 5.2 | 57.4 | 50.6 | 88.2 | .353 | 20.26 | 17.85 |
| Pennsylvania | 17 | 75 | 5.6 | 55.4 | 55.1 | 99.5 | .430 | 23.82 | 23.71 |
| Tennessee | 4 | 49 | 5.2 | 55.8 | 49.1 | 88.0 | .414 | 23.10 | 20.34 |
| Virginia | 3 | 15 | 4.5 | 51.7 | 39.3 | 76.0 | .480 | 24.82 | 18.85 |
| All States | 73 | 446 | 5.3 | 52.2 | 48.6 | 93.1 | .490 | 25.58 | 23.82 |
| Knitters, wet or tube, female: | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 34 | 5.5 | 49.5 | 45.9 | 92.7 | .359 | 17.77 | 16.46 |
| Illinois | 2 | 9 | 5.9 | 45.2 | 48.6 | 107.5 | .333 | 17.76 | 19.10 |
| Indiana | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Massachusetts | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Michigan | 3 | 19 | 5.6 | 51.5 | 47.7 | 92.6 | .370 | 19.06 | 17.63 |
| Minnesota and Wisconsin | 4 | 30 | 5.8 | 48.8 | 47.7 | 97.7 | .452 | 22.06 | 21.55 |
| New York | 8 | 29 | 5.5 | 48.6 | 45.4 | 93.4 | .427 | 20.75 | 19.38 |
| North Carolina | 2 | 4 | 5.5 | 55.0 | 49.1 | 89.3 | .144 | 7.92 | 7.10 |
| Pennsylvania | 9 | 54 | 5.6 | 51.4 | 48.0 | 93.4 | .325 | 16.71 | 15.62 |
| All States | 35 | 198 | 5.6 | 49.7 | 46.8 | 94.2 | .378 | 18.79 | 17.69 |

1 Data included in total.

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

UNDERWEAR—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|------------------------------|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Machine fixers, male: | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 13 | 5.9 | 50.2 | 50.7 | 101.0 | \$0.795 | \$39.91 | \$40.29 |
| Illinois | 2 | 12 | 6.2 | 46.1 | 50.9 | 110.4 | .678 | 31.26 | 34.49 |
| Indiana | 2 | 8 | 6.0 | 48.1 | 49.2 | 102.3 | .815 | 39.20 | 40.11 |
| Massachusetts | 4 | 22 | 5.6 | 48.0 | 45.8 | 95.4 | .876 | 42.05 | 40.10 |
| Michigan | 3 | 10 | 6.0 | 50.4 | 50.5 | 100.2 | .775 | 39.06 | 39.14 |
| Minnesota and Wisconsin | 3 | 12 | 5.8 | 48.5 | 47.4 | 97.7 | .798 | 38.70 | 37.83 |
| New Hampshire and Vermont | 3 | 13 | 5.7 | 49.7 | 48.8 | 98.2 | .763 | 37.92 | 37.25 |
| New York | 26 | 77 | 5.8 | 49.2 | 51.5 | 104.7 | .723 | 35.57 | 37.27 |
| North Carolina | 4 | 13 | 5.5 | 55.7 | 53.4 | 95.9 | .550 | 30.64 | 29.38 |
| Pennsylvania | 14 | 23 | 6.0 | 52.3 | 52.6 | 100.6 | .708 | 37.03 | 37.20 |
| Tennessee | 5 | 14 | 5.9 | 54.9 | 54.6 | 99.5 | .584 | 32.06 | 31.90 |
| Virginia | 3 | 6 | 5.8 | 51.2 | 49.7 | 97.1 | .718 | 36.76 | 35.68 |
| All States | 74 | 223 | 5.8 | 50.1 | 50.7 | 101.2 | .728 | 36.47 | 36.94 |
| Menders, female: | | | | | | | | | |
| Connecticut and Rhode Island | 4 | 30 | 4.1 | 51.9 | 34.8 | 67.1 | .284 | 14.74 | 9.88 |
| Illinois | 3 | 11 | 5.6 | 46.4 | 46.0 | 99.1 | .420 | 19.49 | 19.30 |
| Indiana | 3 | 19 | 5.6 | 51.4 | 47.6 | 92.6 | .260 | 13.36 | 12.38 |
| Massachusetts | 4 | 18 | 5.1 | 48.0 | 42.5 | 88.5 | .412 | 19.78 | 17.49 |
| Michigan | 3 | 22 | 5.9 | 52.0 | 50.7 | 97.5 | .260 | 13.52 | 13.17 |
| Minnesota and Wisconsin | 4 | 22 | 5.2 | 48.8 | 43.3 | 88.7 | .400 | 19.52 | 17.31 |
| New Hampshire and Vermont | 2 | 7 | 5.4 | 48.9 | 48.5 | 99.2 | .323 | 15.79 | 15.70 |
| New York | 24 | 80 | 5.3 | 48.3 | 43.2 | 89.4 | .270 | 13.04 | 11.64 |
| North Carolina | 3 | 28 | 5.0 | 53.0 | 43.8 | 82.6 | .232 | 12.80 | 10.13 |
| Pennsylvania | 10 | 37 | 5.8 | 52.8 | 49.5 | 93.8 | .321 | 16.95 | 15.91 |
| Tennessee | 2 | 2 | 6.0 | 53.8 | 51.3 | 95.4 | .254 | 13.67 | 13.00 |
| Virginia | 3 | 6 | 5.2 | 51.2 | 42.4 | 82.8 | .203 | 10.39 | 8.62 |
| All States | 65 | 282 | 5.3 | 50.3 | 44.3 | 88.1 | .298 | 14.99 | 13.19 |
| Pressers, male: | | | | | | | | | |
| Connecticut and Rhode Island | 3 | 5 | 4.6 | 50.2 | 38.2 | 76.1 | .490 | 24.60 | 18.70 |
| Illinois | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Indiana | 2 | 4 | 5.8 | 52.5 | 50.3 | 95.8 | .346 | 18.17 | 17.40 |
| Massachusetts | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New Hampshire and Vermont | 3 | 7 | 5.4 | 49.7 | 46.6 | 93.8 | .480 | 23.86 | 22.38 |
| New York | 20 | 43 | 5.6 | 49.7 | 47.8 | 96.2 | .422 | 20.97 | 20.15 |
| North Carolina | 3 | 8 | 5.8 | 56.6 | 54.1 | 95.6 | .258 | 14.60 | 13.97 |
| Pennsylvania | 5 | 5 | 5.8 | 52.9 | 50.7 | 95.8 | .338 | 17.88 | 17.11 |
| Tennessee | 2 | 5 | 5.8 | 54.0 | 52.5 | 97.2 | .320 | 17.28 | 16.80 |
| Virginia | 3 | 3 | 5.7 | 52.3 | 49.6 | 94.8 | .486 | 25.42 | 24.09 |
| All States | 43 | 84 | 5.5 | 50.9 | 47.9 | 94.1 | .401 | 20.41 | 19.18 |
| Pressers, female: | | | | | | | | | |
| Connecticut and Rhode Island | 4 | 12 | 5.2 | 52.3 | 43.9 | 83.9 | .379 | 19.82 | 16.63 |
| Indiana | 2 | 8 | 5.9 | 48.9 | 47.6 | 97.3 | .450 | 22.01 | 21.41 |
| Massachusetts | 4 | 31 | 4.7 | 48.0 | 38.3 | 79.8 | .398 | 19.10 | 15.22 |
| Michigan | 3 | 11 | 5.6 | 52.7 | 49.8 | 94.5 | .286 | 15.07 | 14.22 |
| Minnesota and Wisconsin | 4 | 52 | 5.2 | 48.3 | 42.9 | 88.8 | .411 | 19.85 | 17.62 |
| New Hampshire and Vermont | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New York | 11 | 39 | 5.2 | 48.9 | 40.9 | 83.6 | .392 | 19.17 | 16.05 |
| North Carolina | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Pennsylvania | 13 | 67 | 5.7 | 52.7 | 45.9 | 87.1 | .344 | 18.13 | 15.80 |
| Tennessee | 3 | 6 | 4.5 | 56.0 | 43.3 | 77.3 | .347 | 19.43 | 15.02 |
| All States | 46 | 235 | 5.3 | 50.3 | 43.2 | 85.9 | .376 | 18.91 | 16.24 |
| Press hands, male: | | | | | | | | | |
| Connecticut and Rhode Island | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New York | 8 | 25 | 5.7 | 50.5 | 47.8 | 94.7 | .415 | 20.96 | 19.87 |
| Virginia | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States | 10 | 29 | 5.3 | 50.9 | 45.3 | 89.0 | .408 | 20.77 | 18.51 |

¹ Data included in total.

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

UNDERWEAR—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|-------------------------------|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Press hands, female: | | | | | | | | | |
| Connecticut and Rhode Island | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Illinois | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Massachusetts | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Minnesota and Wisconsin | 2 | 10 | 6.0 | 48.6 | 46.3 | 95.3 | \$0.410 | \$19.93 | \$18.97 |
| New Hampshire and Vermont | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New York | 8 | 68 | 5.3 | 48.9 | 42.3 | 86.5 | .258 | 12.62 | 10.91 |
| North Carolina | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Pennsylvania | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Virginia | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States | 17 | 112 | 5.3 | 49.1 | 43.3 | 88.2 | .294 | 14.44 | 12.75 |
| Seamers, female: | | | | | | | | | |
| Connecticut and Rhode Island | 6 | 49 | 5.1 | 49.9 | 42.0 | 84.2 | .347 | 17.32 | 14.57 |
| Illinois | 3 | 60 | 5.4 | 45.4 | 40.6 | 89.4 | .556 | 25.24 | 22.56 |
| Indiana | 3 | 50 | 5.5 | 49.8 | 43.1 | 86.5 | .359 | 17.88 | 15.47 |
| Massachusetts | 4 | 257 | 4.9 | 48.0 | 40.0 | 83.3 | .393 | 18.86 | 15.71 |
| Michigan | 3 | 88 | 5.6 | 51.5 | 47.8 | 92.8 | .316 | 16.27 | 15.11 |
| Minnesota and Wisconsin | 4 | 178 | 5.2 | 48.5 | 41.7 | 86.0 | .480 | 23.28 | 20.04 |
| New Hampshire and Vermont | 3 | 93 | 4.8 | 49.5 | 40.7 | 82.2 | .439 | 21.73 | 17.88 |
| New York | 27 | 868 | 5.2 | 48.7 | 39.4 | 80.9 | .346 | 16.85 | 13.64 |
| North Carolina | 4 | 105 | 5.0 | 54.2 | 44.2 | 81.5 | .234 | 12.68 | 10.35 |
| Pennsylvania | 19 | 367 | 5.7 | 52.6 | 49.0 | 93.2 | .350 | 18.41 | 17.16 |
| Tennessee | 5 | 237 | 5.1 | 54.8 | 47.2 | 86.1 | .284 | 15.56 | 13.39 |
| Virginia | 3 | 73 | 4.5 | 51.6 | 37.7 | 73.1 | .270 | 13.93 | 10.16 |
| All States | 84 | 2,425 | 5.2 | 50.2 | 42.5 | 84.7 | .355 | 17.82 | 15.08 |
| Winders, male: | | | | | | | | | |
| Indiana | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Michigan | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New Hampshire and Vermont | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| New York | 5 | 16 | 4.1 | 52.9 | 39.1 | 73.9 | .407 | 21.53 | 15.90 |
| North Carolina | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Pennsylvania | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Tennessee | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Virginia | 2 | 12 | 2.9 | 53.5 | 24.4 | 45.6 | .305 | 16.32 | 7.45 |
| All States | 13 | 37 | 4.0 | 52.8 | 35.4 | 67.0 | .365 | 19.27 | 12.95 |
| Winders, female: | | | | | | | | | |
| Connecticut and Rhode Island | 6 | 38 | 5.4 | 50.1 | 46.0 | 91.8 | .356 | 17.84 | 16.37 |
| Illinois | 2 | 17 | 5.4 | 45.7 | 43.1 | 94.3 | .522 | 23.86 | 22.48 |
| Indiana | 3 | 27 | 5.7 | 49.8 | 49.1 | 98.6 | .355 | 17.68 | 17.43 |
| Massachusetts | 4 | 151 | 5.3 | 48.0 | 42.2 | 87.9 | .341 | 16.37 | 14.40 |
| Michigan | 3 | 36 | 5.8 | 51.2 | 48.5 | 94.7 | .349 | 17.87 | 16.95 |
| Minnesota and Wisconsin | 4 | 23 | 5.6 | 48.9 | 45.3 | 92.6 | .389 | 19.02 | 17.64 |
| New Hampshire and Vermont | 3 | 33 | 5.2 | 49.1 | 43.1 | 87.8 | .442 | 21.70 | 19.05 |
| New York | 24 | 323 | 5.0 | 48.8 | 41.2 | 84.4 | .358 | 17.47 | 14.75 |
| North Carolina | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Pennsylvania | 7 | 48 | 5.6 | 52.2 | 48.4 | 92.7 | .338 | 17.64 | 16.37 |
| Tennessee | 2 | 31 | 4.9 | 54.9 | 47.3 | 86.2 | .224 | 12.30 | 10.60 |
| Virginia | 1 | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| All States | 60 | 731 | 5.2 | 49.3 | 43.4 | 88.0 | .354 | 17.45 | 15.33 |
| Other employees, male: | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 47 | 5.8 | 49.5 | 50.9 | 102.8 | .509 | 25.20 | 25.92 |
| Illinois | 3 | 58 | 5.8 | 46.6 | 48.4 | 103.9 | .496 | 23.11 | 23.99 |
| Indiana | 3 | 40 | 5.9 | 51.4 | 52.0 | 101.2 | .452 | 23.23 | 23.50 |
| Massachusetts | 4 | 101 | 5.0 | 48.0 | 42.2 | 87.9 | .482 | 23.14 | 20.34 |
| Michigan | 3 | 49 | 5.9 | 49.9 | 50.6 | 101.4 | .471 | 23.50 | 23.82 |
| Minnesota and Wisconsin | 4 | 101 | 5.6 | 48.6 | 47.1 | 96.9 | .484 | 23.52 | 22.78 |
| New Hampshire and Vermont | 3 | 20 | 5.1 | 49.7 | 43.4 | 87.3 | .398 | 19.78 | 17.27 |
| New York | 27 | 653 | 5.5 | 49.0 | 47.4 | 96.7 | .375 | 18.38 | 17.77 |
| North Carolina | 4 | 86 | 5.3 | 53.2 | 49.0 | 92.1 | .325 | 17.29 | 15.91 |
| Pennsylvania | 19 | 161 | 5.7 | 52.3 | 50.1 | 95.8 | .409 | 21.39 | 20.49 |
| Tennessee | 5 | 129 | 5.5 | 55.0 | 51.8 | 94.2 | .284 | 15.62 | 14.70 |
| Virginia | 3 | 53 | 5.1 | 51.8 | 44.3 | 85.5 | .392 | 20.31 | 17.37 |
| All States | 83 | 1,503 | 5.5 | 50.1 | 48.0 | 95.8 | .396 | 19.84 | 19.02 |

1 Data included in total.

TABLE A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1923, by occupation, sex, and State—Continued

UNDERWEAR—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average number of days on which employees worked in one week | Average full-time hours per week | Average hours actually worked in one week | Per cent of full time worked | Average earnings per hour | Average full-time earnings per week | Average actual earnings in one week |
|--|--------------------------|---------------------|--|----------------------------------|---|------------------------------|---------------------------|-------------------------------------|-------------------------------------|
| Other employees, female: | | | | | | | | | |
| Connecticut and Rhode Island | 6 | 50 | 5.2 | 51.0 | 44.3 | 86.9 | \$0.367 | \$18.72 | \$16.29 |
| Illinois | 3 | 57 | 5.4 | 45.7 | 41.6 | 91.0 | .375 | 17.14 | 15.58 |
| Indiana | 3 | 41 | 5.9 | 47.8 | 46.7 | 97.7 | .331 | 15.82 | 15.46 |
| Massachusetts | 4 | 288 | 5.0 | 48.0 | 41.6 | 86.7 | .312 | 14.98 | 12.97 |
| Michigan | 3 | 106 | 5.4 | 50.9 | 45.1 | 88.6 | .263 | 13.39 | 11.86 |
| Minnesota and Wisconsin | 4 | 114 | 5.2 | 48.9 | 41.0 | 83.8 | .332 | 16.23 | 13.61 |
| New Hampshire and Vermont | 3 | 61 | 4.8 | 49.3 | 39.6 | 80.3 | .298 | 14.69 | 11.80 |
| New York | 27 | 559 | 5.1 | 48.6 | 40.4 | 83.1 | .292 | 14.19 | 11.81 |
| North Carolina | 4 | 77 | 5.1 | 53.8 | 45.1 | 83.8 | .210 | 11.30 | 9.47 |
| Pennsylvania | 17 | 258 | 5.4 | 50.3 | 45.5 | 90.5 | .247 | 12.42 | 11.24 |
| Tennessee | 5 | 164 | 5.1 | 55.1 | 49.0 | 88.9 | .239 | 13.17 | 11.71 |
| Virginia | 3 | 57 | 4.7 | 52.7 | 41.1 | 78.0 | .209 | 11.01 | 8.59 |
| All States | 82 | 1,832 | 5.0 | 48.2 | 41.5 | 86.1 | .282 | 13.59 | 11.72 |
| All employees, male: | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 97 | 5.6 | 50.2 | 48.8 | 97.2 | .539 | 27.06 | 26.29 |
| Illinois | 3 | 86 | 5.8 | 46.4 | 49.5 | 106.7 | .530 | 24.59 | 26.25 |
| Indiana | 3 | 86 | 5.8 | 50.7 | 51.2 | 101.0 | .494 | 25.05 | 25.30 |
| Massachusetts | 4 | 191 | 5.2 | 48.5 | 33.8 | 90.3 | .578 | 28.03 | 25.27 |
| Michigan | 3 | 66 | 5.8 | 51.0 | 51.5 | 101.0 | .520 | 26.52 | 26.74 |
| Minnesota and Wisconsin | 4 | 127 | 5.6 | 48.9 | 47.2 | 96.5 | .534 | 26.11 | 25.21 |
| New Hampshire and Vermont | 3 | 113 | 5.3 | 49.6 | 46.0 | 92.7 | .508 | 25.20 | 23.38 |
| New York | 27 | 1,191 | 5.5 | 49.3 | 47.2 | 95.7 | .448 | 22.09 | 21.18 |
| North Carolina | 4 | 162 | 5.3 | 54.3 | 49.1 | 90.4 | .359 | 19.01 | 17.21 |
| Pennsylvania | 19 | 323 | 5.7 | 53.2 | 51.6 | 97.0 | .443 | 23.57 | 22.87 |
| Tennessee | 5 | 257 | 5.4 | 55.2 | 51.0 | 92.4 | .336 | 18.55 | 17.15 |
| Virginia | 3 | 106 | 4.8 | 52.2 | 41.6 | 79.7 | .413 | 21.56 | 17.19 |
| All States | 83 | 2,805 | 5.5 | 50.6 | 48.0 | 94.9 | .463 | 22.92 | 21.76 |
| All employees, female: | | | | | | | | | |
| Connecticut and Rhode Island | 6 | 512 | 4.8 | 50.9 | 40.1 | 78.8 | .356 | 18.12 | 14.26 |
| Illinois | 3 | 358 | 5.5 | 45.6 | 42.2 | 92.5 | .446 | 20.34 | 18.82 |
| Indiana | 3 | 307 | 5.7 | 49.4 | 45.6 | 92.3 | .367 | 18.13 | 16.74 |
| Massachusetts | 4 | 1,371 | 4.8 | 45.9 | 39.6 | 86.3 | .370 | 16.98 | 14.66 |
| Michigan | 3 | 461 | 5.5 | 51.4 | 46.8 | 91.1 | .287 | 15.27 | 13.92 |
| Minnesota and Wisconsin | 4 | 932 | 5.3 | 48.6 | 42.1 | 86.6 | .424 | 20.61 | 17.83 |
| New Hampshire and Vermont | 3 | 501 | 4.9 | 49.3 | 40.3 | 81.7 | .400 | 19.72 | 16.14 |
| New York | 27 | 4,111 | 5.1 | 48.7 | 39.4 | 80.9 | .315 | 15.34 | 12.41 |
| North Carolina | 4 | 478 | 5.0 | 54.0 | 44.7 | 82.8 | .222 | 11.99 | 9.89 |
| Pennsylvania | 19 | 1,869 | 5.5 | 52.0 | 47.2 | 90.8 | .317 | 16.48 | 14.98 |
| Tennessee | 5 | 1,034 | 5.1 | 54.8 | 47.6 | 86.9 | .260 | 14.25 | 12.39 |
| Virginia | 3 | 317 | 4.7 | 51.6 | 39.1 | 75.8 | .261 | 13.47 | 10.20 |
| All States | 84 | 12,251 | 5.2 | 49.8 | 42.3 | 84.9 | .329 | 16.38 | 13.89 |
| All employees, male and female: | | | | | | | | | |
| Connecticut and Rhode Island | 6 | 609 | 4.9 | 50.8 | 41.5 | 81.7 | .390 | 19.81 | 16.18 |
| Illinois | 3 | 444 | 5.6 | 45.8 | 43.6 | 95.2 | .465 | 21.30 | 20.26 |
| Indiana | 3 | 393 | 5.8 | 49.7 | 46.8 | 94.2 | .397 | 19.73 | 18.61 |
| Massachusetts | 4 | 1,562 | 4.9 | 46.2 | 40.1 | 86.8 | .398 | 18.39 | 15.96 |
| Michigan | 3 | 527 | 5.6 | 51.4 | 47.4 | 92.2 | .327 | 16.81 | 15.52 |
| Minnesota and Wisconsin | 4 | 1,059 | 5.3 | 48.6 | 42.7 | 87.9 | .458 | 21.29 | 18.71 |
| New Hampshire and Vermont | 3 | 614 | 5.0 | 49.4 | 41.4 | 83.8 | .422 | 20.85 | 17.47 |
| New York | 27 | 5,302 | 5.2 | 48.8 | 41.1 | 84.2 | .350 | 17.08 | 14.38 |
| North Carolina | 4 | 640 | 5.1 | 54.1 | 45.8 | 84.7 | .257 | 13.90 | 11.75 |
| Pennsylvania | 19 | 2,192 | 5.6 | 52.2 | 47.9 | 91.8 | .337 | 17.59 | 16.14 |
| Tennessee | 5 | 1,291 | 5.2 | 54.9 | 48.3 | 88.0 | .270 | 15.15 | 13.34 |
| Virginia | 3 | 423 | 4.7 | 51.8 | 39.7 | 76.6 | .301 | 15.59 | 11.95 |
| All States | 84 | 15,056 | 5.2 | 50.0 | 43.4 | 86.8 | .354 | 17.70 | 15.36 |

TABLE B.—Average and classified earnings per hour in 11 specified occupations, 1928, by sex and State—Continued

HOSIERY—Continued

| Occupation, sex, and State | Number of establishments | Number of employes | Average earnings per hour | Number of employees whose average earnings in cents per hour were— | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------|--------------------|---------------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|----------------|----------------|----------------|---------------|
| | | | | Under 10 | 10, under 12 | 12, under 14 | 14, under 16 | 16, under 18 | 18, under 20 | 20, under 25 | 25, under 30 | 30, under 35 | 35, under 40 | 40, under 45 | 45, under 50 | 50, under 60 | 60, under 70 | 70, under 80 | 80, under 90 | 90, under 100 | 100, under 125 | 125, under 150 | 150, under 175 | 175, under 200 | 200, and over |
| Knitters, footers, full-fashioned, male: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Illinois..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | |
| Indiana..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | |
| Massachusetts..... | 7 | 70 | \$1.636 | | | | | | | | | | | | | | | | | | | | | | |
| Minnesota and Wisconsin..... | 4 | 85 | 1.190 | | | | | | | | | | 1 | 3 | | | 1 | 1 | 19 | 1 | 3 | 9 | 18 | 16 | 17 |
| New Jersey..... | 4 | 62 | 1.618 | | | | | | | | | | | | | | | | 1 | | | 19 | 9 | 7 | 11 |
| New York..... | 4 | 39 | 1.816 | | | | | | | | | | | | | | | | | | 1 | 2 | 4 | 14 | 4 |
| Pennsylvania..... | 18 | 480 | 1.577 | | | | | | | | | | | | | | 1 | 3 | 3 | 9 | 11 | 8 | 47 | 102 | 142 |
| All States..... | 39 | 749 | 1.546 | | | | | | | | | | 1 | 3 | 1 | 5 | 5 | 30 | 14 | 15 | 86 | 155 | 205 | 120 | 109 |
| Knitters, leggers, full-fashioned, male: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Illinois..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | |
| Indiana..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | |
| Massachusetts..... | 7 | 207 | 1.473 | | | | | | | | | | | | | | | 3 | 8 | 11 | 12 | 54 | 30 | 21 | 29 |
| Minnesota and Wisconsin..... | 4 | 241 | 1.008 | | | | | | | | | | | | | | | | | | | | | | |
| New Jersey..... | 4 | 205 | 1.361 | | | | | | | | | | 6 | 2 | | 8 | 62 | 21 | 15 | 13 | 42 | 36 | 28 | 7 | 1 |
| New York..... | 4 | 141 | 1.563 | | | | | | | | | | | | | | | | 2 | 9 | 13 | 72 | 58 | 24 | 12 |
| Pennsylvania..... | 18 | 1,065 | 1.354 | | | | | | | | | | | | | 1 | 1 | 2 | 5 | 7 | 34 | 22 | 16 | 29 | 24 |
| All States..... | 39 | 1,911 | 1.329 | | | | | | | | | | 2 | 9 | 2 | 29 | 116 | 91 | 125 | 162 | 441 | 349 | 228 | 151 | 206 |
| Knitters, transfer, male: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Georgia..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | |
| Maryland and West Virginia..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | |
| Michigan..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | |
| Minnesota and Wisconsin..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | |
| North Carolina..... | 6 | 42 | .322 | | | | | | | | | | | | | | | | | | | | | | |
| Tennessee..... | 7 | 137 | .306 | | | | | | | | | | | | | | | | | | | | | | |
| Virginia..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | |
| All States..... | 18 | 205 | .317 | | 2 | 11 | 2 | 6 | 10 | 32 | 40 | 33 | 24 | 20 | 17 | 6 | 2 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-----|-------|------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Knitters, transfer, female: | | | | | | | | | | | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 244 | .218 | 8 | 17 | 15 | 23 | 30 | 17 | 54 | 49 | 18 | 11 | 2 | | | | | |
| Georgia..... | 6 | 285 | .199 | 28 | 17 | 18 | 26 | 34 | 24 | 69 | 34 | 24 | 10 | 1 | | | | | |
| Illinois..... | 2 | 51 | .266 | | | 1 | | 3 | 4 | 15 | 14 | 11 | 2 | 1 | | | | | |
| Indiana..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | |
| Maryland and West Virginia..... | 4 | 163 | .279 | | | 1 | 4 | 15 | 13 | 35 | 38 | 26 | 19 | 10 | 1 | 1 | | | |
| Michigan..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | |
| Minnesota and Wisconsin..... | 5 | 143 | .395 | | | | | | | 3 | 21 | 28 | 27 | 25 | 20 | 17 | 2 | | |
| New Hampshire and Vermont..... | 5 | 49 | .343 | | | | | | | 6 | 12 | 10 | 12 | 4 | 1 | 4 | | | |
| North Carolina..... | 7 | 211 | .240 | 2 | 2 | 10 | 33 | 18 | 20 | 39 | 31 | 36 | 14 | 4 | 2 | | | | |
| Pennsylvania..... | 11 | 677 | .399 | | | | 1 | 1 | 6 | 20 | 38 | 104 | 169 | 183 | 95 | 51 | 9 | | |
| Tennessee..... | 9 | 516 | .257 | 7 | 21 | 24 | 24 | 42 | 50 | 115 | 99 | 47 | 37 | 31 | 11 | 8 | | | |
| Virginia..... | 3 | 99 | .218 | 1 | 4 | 3 | 6 | 18 | 17 | 21 | 18 | 6 | 5 | | | | | | |
| All States..... | 58 | 2,483 | .294 | 46 | 61 | 72 | 117 | 162 | 152 | 380 | 358 | 326 | 311 | 269 | 132 | 85 | 12 | | |
| Loopers, female: | | | | | | | | | | | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 112 | .211 | 5 | 4 | 11 | 9 | 12 | 11 | 29 | 17 | 11 | 3 | | | | | | |
| Georgia..... | 7 | 263 | .250 | 6 | 8* | 15 | 14 | 21 | 20 | 56 | 55 | 36 | 19 | 6 | 4 | 2 | 1 | | |
| Illinois..... | 5 | 133 | .256 | 2 | 6 | 6 | 8 | 8 | 12 | 29 | 25 | 21 | 5 | 6 | 1 | 4 | | | |
| Indiana..... | 3 | 105 | .487 | | | | | | | 1 | 5 | 6 | 12 | 13 | 17 | 32 | 17 | 2 | |
| Maryland and West Virginia..... | 3 | 68 | .291 | | | | | 5 | 1 | 22 | 10 | 14 | 11 | 3 | 2 | | | | |
| Massachusetts..... | 7 | 87 | .540 | | | | | | | 1 | 13 | 8 | 4 | 11 | 7 | 14 | 6 | 9 | 6 |
| Michigan..... | 3 | 44 | .550 | | | | | | | 2 | 1 | 8 | 8 | 3 | 5 | 8 | 2 | 6 | 1 |
| Minnesota and Wisconsin..... | 6 | 257 | .459 | | | | | | 1 | 20 | 30 | 26 | 34 | 18 | 27 | 32 | 46 | 20 | 3 |
| New Hampshire and Vermont..... | 6 | 73 | .366 | | | | | | | 6 | 16 | 12 | 11 | 19 | 7 | 1 | 1 | | |
| New Jersey..... | 4 | 85 | .639 | | | | | | | | 2 | 2 | 4 | 30 | 20 | 20 | 4 | 2 | 1 |
| New York..... | 4 | 51 | .651 | | | | | | | 2 | 3 | 4 | 2 | 1 | 10 | 9 | 5 | 6 | 3 |
| North Carolina..... | 14 | 829 | .330 | 2 | 5 | 13 | 27 | 33 | 131 | 133 | 169 | 136 | 63 | 50 | 53 | 13 | 1 | 64 | 39 |
| Pennsylvania..... | 23 | 874 | .521 | | | | | | 5 | 20 | 30 | 69 | 111 | 108 | 124 | 160 | 111 | 64 | 22 |
| Tennessee..... | 13 | 546 | .285 | 3 | 14 | 26 | 28 | 34 | 47 | 91 | 90 | 69 | 55 | 36 | 27 | 21 | 5 | | |
| Virginia..... | 3 | 80 | .241 | | 1 | 10 | 10 | 7 | 6 | 13 | 12 | 8 | 8 | 2 | 1 | 2 | | | |
| All States..... | 105 | 3,607 | .385 | 16 | 35 | 73 | 82 | 114 | 137 | 419 | 440 | 453 | 423 | 297 | 273 | 368 | 237 | 123 | 64 |
| Menders, female: | | | | | | | | | | | | | | | | | | | |
| Alabama and Louisiana..... | 4 | 18 | .214 | | | 2 | 3 | 4 | 1 | 3 | 4 | | 1 | | | | | | |
| Georgia..... | 7 | 46 | .235 | | 1 | 2 | 5 | 4 | 6 | 15 | 4 | 4 | 3 | 2 | | | | | |
| Illinois..... | 5 | 85 | .398 | | | | 1 | 1 | 2 | 7 | 5 | 11 | 12 | 20 | 15 | 11 | | | |
| Indiana..... | 3 | 69 | .419 | | | | 1 | 1 | 1 | 4 | 6 | 8 | 7 | 9 | 19 | 9 | 2 | 1 | 1 |
| Maryland and West Virginia..... | 3 | 37 | .198 | 1 | 1 | 3 | 1 | 6 | 5 | 15 | 4 | 1 | | | | | | | |
| Massachusetts..... | 5 | 46 | .434 | | | | | | | 6 | 5 | 5 | 6 | 2 | 6 | 10 | 4 | 2 | |
| Michigan..... | 3 | 5 | .505 | | | | | | | 1 | | | | | 2 | 1 | | | |
| Minnesota and Wisconsin..... | 6 | 124 | .400 | | | | | | 1 | 12 | 16 | 26 | 14 | 8 | 14 | 13 | 14 | 5 | 1 |
| New Hampshire and Vermont..... | 6 | 38 | .329 | | | | | | 1 | 5 | 13 | 7 | 2 | 3 | 4 | 3 | | | |
| New Jersey..... | 4 | 80 | .500 | | | | | | | | 3 | 6 | 28 | 9 | 25 | 3 | 6 | | |
| New York..... | 3 | 51 | .694 | | | | | | | | 2 | 2 | | 8 | 11 | 11 | 7 | 2 | 3 |
| North Carolina..... | 14 | 115 | .257 | | 3 | 1 | 6 | 8 | 8 | 26 | 29 | 22 | 7 | 3 | 2 | | | | |
| Pennsylvania..... | 24 | 379 | .483 | | | | | | 2 | 5 | 20 | 39 | 41 | 45 | 46 | 109 | 51 | 13 | 8 |
| Tennessee..... | 13 | 187 | .220 | 6 | 8 | 15 | 15 | 23 | 11 | 45 | 31 | 16 | 15 | 1 | 1 | | | | |
| Virginia..... | 3 | 14 | .194 | | 2 | 1 | 1 | | 2 | 5 | 3 | | | | | | | | |
| All States..... | 103 | 1,294 | .387 | 7 | 15 | 24 | 33 | 47 | 40 | 149 | 140 | 142 | 116 | 122 | 124 | 193 | 86 | 34 | 11 |

* Data included in total.

TABLE B.—Average and classified earnings per hour in 11 specified occupations, 1928, by sex and State—Continued

UNDERWEAR—Continued

| Occupation, sex, and State | Number of establishments | Number of employees | Average earnings per hour | Number of employees whose average earnings in cents per hour were— | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--------------------------|---------------------|---------------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|----------------|----------------|----------------|---------------|
| | | | | Under 10 | 10, under 12 | 12, under 14 | 14, under 16 | 16, under 18 | 18, under 20 | 20, under 25 | 25, under 30 | 30, under 35 | 35, under 40 | 40, under 45 | 45, under 50 | 50, under 60 | 60, under 70 | 70, under 80 | 80, under 90 | 90, under 100 | 100, under 125 | 125, under 150 | 150, under 175 | 175, under 200 | 200, and over |
| Seamers, female. | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connecticut and Rhode Island..... | 6 | 49 | \$0.347 | | | | | | | 3 | 13 | 14 | 5 | 6 | 1 | 6 | 1 | | | | | | | | |
| Illinois..... | 3 | 60 | .556 | | | | | | | | | 2 | 6 | 3 | 5 | 19 | 23 | 2 | | | | | | | |
| Indiana..... | 3 | 50 | .359 | | | | | | | 9 | 5 | 13 | 9 | 4 | 6 | 4 | | | | | | | | | |
| Massachusetts..... | 4 | 257 | .393 | | | | | 3 | 13 | 22 | 21 | 20 | 34 | 46 | 66 | 31 | 1 | | | | | | | | |
| Michigan..... | 3 | 88 | .316 | | | | | 3 | 6 | 16 | 13 | 18 | 12 | 8 | 10 | 2 | | | | | | | | | |
| Minnesota and Wisconsin..... | 4 | 178 | .480 | | | | | | | 3 | 9 | 12 | 15 | 24 | 35 | 56 | 20 | 4 | | | | | | | |
| New Hampshire and Vermont..... | 3 | 93 | .439 | | | | | | | | 1 | 18 | 18 | 14 | 15 | 18 | 7 | 2 | | | | | | | |
| New York..... | 27 | 868 | .346 | | 2 | 4 | 16 | 25 | 28 | 121 | 155 | 144 | 117 | 7 | 57 | 35 | 19 | 1 | | | | | | | |
| North Carolina..... | 4 | 105 | .234 | 2 | 2 | 3 | 8 | 13 | 7 | 20 | 24 | 19 | 7 | | | | | | | | | | | | |
| Pennsylvania..... | 19 | 367 | .350 | | | 2 | | 1 | 7 | 47 | 58 | 80 | 60 | 57 | 35 | 19 | 1 | | | | | | | | |
| Tennessee..... | 5 | 237 | .284 | | 10 | 7 | 17 | 8 | 10 | 34 | 36 | 40 | 43 | 23 | 9 | | | | | | | | | | |
| Virginia..... | 3 | 73 | .270 | | 4 | 3 | 5 | 4 | 5 | 14 | 9 | 16 | 12 | 1 | | | | | | | | | | | |
| All States..... | 84 | 2,425 | .355 | 2 | 18 | 19 | 46 | 57 | 76 | 289 | 344 | 396 | 338 | 289 | 245 | 214 | 71 | 15 | 6 | | | | | | |

¹ Data included in total.

TABLE C.—Average and classified full-time hours per week in 11 specified occupations, 1928, by sex and State—Continued

HOSIERY—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 50 | 50 | Over 50, under 54 | 54 | 55 | Over 55, under 57 | 57, under 60 | 60 | Over 60 | | | | | | | |
| Knitters, transfer, male: | | | | | | | | | | | | | | | | | | | | | |
| Georgia | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | |
| Maryland and West Virginia | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | |
| Michigan | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | |
| Minnesota and Wisconsin | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | |
| North Carolina | 6 | 42 | 55.0 | | | | | | | | | | 42 | | | | | | | | |
| Tennessee | 7 | 137 | 53.9 | | | | | 16 | 49 | 19 | 35 | | | | | 7 | 11 | | | | |
| Virginia | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | |
| All States | 18 | 205 | 53.8 | | | 3 | 34 | 49 | 19 | 81 | | | | | | 7 | 11 | | | 1 | |
| Knitters, transfer, female: | | | | | | | | | | | | | | | | | | | | | |
| Alabama and Louisiana | 4 | 244 | 55.0 | | | | | | 19 | | 97 | 128 | | | | | | | | | |
| Georgia | 6 | 285 | 55.3 | | | | | | 20 | | 179 | 68 | 18 | | | | | | | | |
| Illinois | 2 | 51 | 51.7 | | 13 | | | | 38 | | | | | | | | | | | | |
| Indiana | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | |
| Maryland and West Virginia | 4 | 163 | 54.3 | | | | | | 23 | | | | | 140 | | | | | | | |
| Michigan | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | |
| Minnesota and Wisconsin | 5 | 143 | 49.7 | | 9 | 64 | 70 | | | | | | | | | | | | | | |
| New Hampshire and Vermont | 5 | 49 | 49.6 | | 33 | | | | 16 | | | | | | | | | | | | |
| North Carolina | 7 | 211 | 55.2 | | | | | | | | 202 | | | | | | | | | 9 | |
| Pennsylvania | 11 | 677 | 51.6 | 33 | 117 | | | | 312 | 215 | | | | | | | | | | | |
| Tennessee | 9 | 516 | 53.7 | | | | | 24 | 247 | 46 | 155 | | 44 | | | | | | | | |
| Virginia | 3 | 99 | 53.4 | | | | | | 38 | | 33 | 28 | | | | | | | | | |
| All States | 58 | 2,483 | 53.1 | 60 | 172 | 82 | 155 | 652 | 261 | 806 | 224 | 62 | 9 | | | | | | | | |
| Loopers, female: | | | | | | | | | | | | | | | | | | | | | |
| Alabama and Louisiana | 4 | 112 | 54.5 | | | | | | 22 | | 35 | 55 | | | | | | | | | |
| Georgia | 7 | 263 | 55.2 | | | | | | 51 | 24 | 83 | 51 | 54 | | | | | | | | |
| Illinois | 5 | 133 | 55.7 | | 25 | | | | 27 | | | | | | | | | | | | |
| Indiana | 3 | 105 | 49.8 | 8 | | | | 97 | | | | | | | | | | | | | |
| Maryland and West Virginia | 3 | 68 | 52.8 | | | | | | 30 | | 38 | | | | | | | | | | |
| Massachusetts | 7 | 87 | 48.0 | | 87 | | | | | | | | | | | | | | | | |
| Michigan | 3 | 44 | 50.8 | | | 14 | | | 30 | | | | | | | | | | | | |
| Minnesota and Wisconsin | 6 | 257 | 49.7 | | 17 | 71 | 169 | | | | | | | | | | | | | | |
| New Hampshire and Vermont | 6 | 73 | 50.3 | | 34 | | | | 8 | 31 | | | | | | | | | | | |
| New Jersey | 4 | 85 | 47.2 | 17 | 68 | | | | | | | | | | | | | | | | |
| New York | 4 | 51 | 48.2 | 23 | 18 | 10 | | | | | | | | | | | | | | | |
| North Carolina | 14 | 829 | 55.7 | | | | | | | | 695 | | 26 | 108 | | | | | | | |
| Pennsylvania | 23 | 874 | 51.4 | 1 | 247 | 82 | | | 331 | 213 | | | | | | | | | | | |
| Tennessee | 13 | 546 | 54.2 | | | | | | 273 | 48 | 90 | | 135 | | | | | | | | |
| Virginia | 3 | 80 | 52.8 | | | | | | 38 | | 30 | 12 | | | | | | | | | |
| All States | 105 | 3,607 | 53.0 | 49 | 496 | 177 | 342 | 765 | 285 | 971 | 118 | 296 | 108 | | | | | | | | |
| Menders, female: | | | | | | | | | | | | | | | | | | | | | |
| Alabama and Louisiana | 4 | 18 | 53.8 | | | | | | 7 | | 10 | | | | | | | | | | |
| Georgia | 7 | 46 | 54.9 | | | | | | 11 | 8 | 8 | 13 | 6 | | | | | | | | |
| Illinois | 5 | 85 | 52.8 | | | | | | 51 | 11 | | | 23 | | | | | | | | |
| Indiana | 3 | 69 | 49.7 | 6 | | | | 63 | | | | | | | | | | | | | |
| Maryland and West Virginia | 3 | 37 | 54.2 | | | | | | 6 | | 31 | | | | | | | | | | |
| Massachusetts | 5 | 46 | 48.0 | | 46 | | | | | | | | | | | | | | | | |
| Michigan | 3 | 5 | 50.7 | | | 2 | | | 3 | | | | | | | | | | | | |
| Minnesota and Wisconsin | 6 | 124 | 49.5 | | 15 | 57 | 52 | | | | | | | | | | | | | | |
| New Hampshire and Vermont | 6 | 38 | 49.8 | | 20 | | | | 7 | 11 | | | | | | | | | | | |
| New Jersey | 4 | 80 | 47.4 | 12 | 68 | | | | | | | | | | | | | | | | |
| New York | 3 | 51 | 47.9 | 23 | 28 | | | | | | | | | | | | | | | | |
| North Carolina | 14 | 115 | 55.9 | | | | | | | | 90 | | 8 | 17 | | | | | | | |
| Pennsylvania | 24 | 379 | 50.2 | | 191 | 34 | | | 93 | 61 | | | | | | | | | | | |
| Tennessee | 13 | 187 | 54.1 | | | | | | 98 | 10 | 33 | | 46 | | | | | | | | |
| Virginia | 3 | 14 | 51.2 | | | | | | 11 | | 1 | 2 | | | | | | | | | |
| All States | 103 | 1,294 | 51.4 | 41 | 368 | 93 | 190 | 234 | 79 | 164 | 25 | 83 | 17 | | | | | | | | |

¹ Data included in total.

TABLE C.—Average and classified full-time hours per week in 11 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 50 | 50 | Over 50, under 54 | 54 | 55 | Over 55, under 57 | 57, under 60 | 60 | Over 60 |
| | | | | | | | | | | | | | | |
| UNDERWEAR | | | | | | | | | | | | | | |
| Buttonhole makers, female: | | | | | | | | | | | | | | |
| Connecticut and Rhode Island..... | 5 | 10 | 50.5 | | 3 | 2 | 2 | | 2 | 1 | | | | |
| Illinois..... | 3 | 11 | 45.7 | 11 | | | | | | | | | | |
| Indiana..... | 3 | 9 | 49.6 | 3 | | | 5 | | | 1 | | | | |
| Massachusetts..... | 4 | 26 | 48.0 | | 26 | | | | | | | | | |
| Michigan..... | 3 | 8 | 51.1 | | | 4 | | 1 | 3 | | | | | |
| Minnesota and Wisconsin..... | 4 | 25 | 48.6 | | 19 | 4 | | 2 | | | | | | |
| New Hampshire and Vermont..... | 3 | 17 | 49.8 | | 2 | | 15 | | | | | | | |
| New York..... | 27 | 153 | 48.6 | 10 | 68 | 54 | 8 | 13 | | 2 | | | | |
| North Carolina..... | 3 | 20 | 53.9 | | | | | 15 | | | | 3 | | |
| Pennsylvania..... | 13 | 36 | 52.5 | | | | 9 | 21 | | 6 | | | | |
| Tennessee..... | 5 | 44 | 54.9 | | | | | 9 | 13 | | 13 | | | |
| Virginia..... | 3 | 10 | 51.1 | | 5 | | | | 4 | 1 | | | | |
| All States..... | 76 | 369 | 50.1 | 24 | 123 | 64 | 39 | 61 | 24 | 18 | | 13 | 3 | |
| Folders, female: | | | | | | | | | | | | | | |
| Connecticut and Rhode Island..... | 5 | 19 | 52.5 | | | 2 | 5 | | 10 | 2 | | | | |
| Illinois..... | 3 | 23 | 45.3 | 23 | | | | | | | | | | |
| Indiana..... | 3 | 12 | 50.8 | 2 | | | 7 | | | 3 | | | | |
| Massachusetts..... | 3 | 40 | 48.0 | | 40 | | | | | | | | | |
| Michigan..... | 3 | 16 | 51.5 | | | 5 | | 5 | 6 | | | | | |
| Minnesota and Wisconsin..... | 3 | 45 | 48.3 | | 36 | 9 | | | | | | | | |
| New Hampshire and Vermont..... | 3 | 15 | 49.1 | | 7 | | 8 | | | | | | | |
| New York..... | 25 | 156 | 48.8 | 6 | 66 | 64 | 8 | 12 | | | | | | |
| North Carolina..... | 4 | 27 | 54.2 | | | | | 17 | | 6 | | 4 | | |
| Pennsylvania..... | 6 | 50 | 51.6 | | | | 23 | 14 | 13 | | | | | |
| Tennessee..... | 5 | 71 | 54.8 | | | | | 15 | 16 | 22 | | 18 | | |
| Virginia..... | 3 | 14 | 50.7 | | 8 | | | | 4 | 2 | | | | |
| All States..... | 66 | 488 | 60.3 | 31 | 157 | 80 | 51 | 63 | 49 | 35 | | 18 | 4 | |
| Knitters, web or tube, male: | | | | | | | | | | | | | | |
| Connecticut and Rhode Island..... | 5 | 13 | 51.8 | | 2 | 1 | 3 | | 6 | 1 | | | | |
| Illinois..... | 3 | 8 | 46.2 | 8 | | | | | | | | | | |
| Indiana..... | 3 | 18 | 50.5 | 7 | | | 6 | | | 4 | | 1 | | |
| Massachusetts..... | 3 | 42 | 50.3 | | 34 | | | | | | | 8 | | |
| Michigan..... | 2 | 2 | 72.0 | | | | | | | | | 1 | | |
| Minnesota and Wisconsin..... | 3 | 9 | 52.5 | | 5 | | | 1 | | | | 3 | | |
| New Hampshire and Vermont..... | 3 | 38 | 49.4 | | 11 | | 27 | | | | | | | |
| New York..... | 23 | 152 | 50.0 | | 70 | 40 | 12 | 9 | 3 | 1 | 7 | 10 | | |
| North Carolina..... | 4 | 25 | 57.4 | | | | | 10 | 4 | | | 6 | | |
| Pennsylvania..... | 17 | 75 | 55.4 | | | | 12 | 17 | 22 | 3 | | 3 | | |
| Tennessee..... | 4 | 49 | 55.8 | | | | | 6 | 20 | | 23 | 10 | | |
| Virginia..... | 3 | 15 | 51.7 | | 6 | | | | 7 | 2 | | 8 | | |
| All States..... | 73 | 446 | 52.2 | 15 | 128 | 41 | 60 | 37 | 44 | 35 | 7 | 26 | 36 | |
| Knitters, web or tube, female: | | | | | | | | | | | | | | |
| Connecticut and Rhode Island..... | 5 | 34 | 49.5 | | 16 | 1 | 14 | | | 3 | | | | |
| Illinois..... | 2 | 9 | 45.2 | 9 | | | | | | | | | | |
| Indiana..... | 1 | (1) | (1) | | | | | | | | | | | |
| Massachusetts..... | 1 | (1) | (1) | | | | | | | | | | | |
| Michigan..... | 3 | 19 | 51.5 | | | 7 | | 4 | 8 | | | | | |
| Minnesota and Wisconsin..... | 4 | 30 | 48.8 | | 18 | 10 | | 2 | | | | | | |
| New York..... | 8 | 29 | 48.6 | 4 | 11 | 5 | 4 | 5 | | | | | | |
| North Carolina..... | 2 | 4 | 55.0 | | | | | | | 4 | | | | |
| Pennsylvania..... | 9 | 54 | 51.4 | | | | 27 | 25 | 2 | | | | | |
| All States..... | 35 | 198 | 49.7 | 19 | 58 | 23 | 45 | 36 | 10 | 7 | | | | |

¹Data included in total.

TABLE D.—Average and classified hours actually worked in one week in 11 specified occupations, 1928, by sex and State

HOSIERY

| Occupation, sex, and State | Number of establishments | Number of employees | Average hours actually worked in 1 week | Number of employees whose hours actually worked in 1 week were— | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|--------------------------|---------------------|---|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|-------------------|----|-------------------|--------------|----|-------------------|-----|-------------------|--------------|-----|---------|----|
| | | | | Under 20 | 20, under 24 | 24, under 28 | 28, under 32 | 32, under 36 | 36, under 40 | 40, under 42 | 42, under 44 | 44, under 46 | 46, under 48 | 48 | Over 48, under 50 | 50 | Over 50, under 52 | 52, under 54 | 54 | Over 54, under 55 | 55 | Over 55, under 58 | 58, under 60 | 60 | Over 60 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boards, male: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alabama and Louisiana..... | 2 | 37 | 43.4 | 2 | 1 | | 2 | 6 | 2 | 2 | | 8 | 2 | 1 | 1 | 1 | 3 | 3 | | 2 | | 1 | | | | |
| Georgia..... | 7 | 136 | 46.0 | 3 | 5 | 7 | | 8 | 5 | 5 | 8 | 12 | 9 | 6 | 11 | 5 | 15 | 18 | | | 2 | | 6 | 11 | 2 | |
| Illinois..... | 3 | 50 | 53.1 | 1 | 1 | | 1 | 1 | 2 | | | 1 | 2 | 1 | 5 | 1 | 2 | 4 | 1 | 2 | | 6 | 10 | | 9 | 1 |
| Indiana..... | 2 | 46 | 49.9 | 1 | | 1 | 2 | 2 | 2 | | | | | 2 | 7 | 1 | 7 | 7 | | | | 1 | 11 | | | |
| Maryland and West Virginia..... | 2 | 40 | 44.3 | | | | 1 | 1 | 1 | 2 | 5 | 19 | 9 | 2 | | | | | | | | | | | | |
| Massachusetts..... | 5 | 38 | 47.0 | | | | | 2 | 1 | 2 | 6 | 1 | 8 | 14 | | | 3 | 1 | | | | | | | | |
| Michigan..... | 2 | 6 | 48.3 | | | | | 1 | | | | | | 2 | | | 3 | 1 | | | | | | | | |
| Minnesota and Wisconsin..... | 6 | 48 | 48.5 | 2 | | | | 1 | | 3 | 1 | 6 | 2 | 7 | 13 | 1 | 3 | 1 | 1 | 1 | | 1 | | | 5 | 1 |
| New Hampshire and Vermont..... | 6 | 18 | 48.9 | 1 | | | | 1 | | 1 | 1 | | | 3 | 1 | | 3 | 5 | | | | 1 | | | 1 | |
| New Jersey..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | | |
| New York..... | 2 | 7 | 49.7 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | |
| North Carolina..... | 12 | 375 | 49.4 | 14 | | 5 | 9 | 11 | 10 | 9 | 17 | 25 | 9 | 8 | 19 | 11 | 34 | 6 | 1 | 148 | | 2 | | 32 | | |
| Pennsylvania..... | 16 | 392 | 48.7 | 13 | | 6 | 12 | 9 | 15 | 15 | 29 | 3 | 28 | 53 | 46 | 5 | 18 | 24 | 4 | | 18 | 4 | 10 | 92 | 17 | |
| Tennessee..... | 12 | 203 | 47.7 | 3 | | 5 | 6 | 8 | 11 | 9 | 25 | 6 | 17 | 5 | 9 | 3 | 34 | | 1 | 10 | 32 | 1 | 14 | | 1 | |
| Virginia..... | 3 | 25 | 47.5 | 1 | | | | 2 | 1 | 2 | | | 1 | 1 | 6 | 1 | 1 | | | 8 | | | | | | |
| All States..... | 81 | 1,433 | 48.2 | 43 | 6 | 26 | 31 | 44 | 65 | 48 | 97 | 81 | 93 | 85 | 61 | 65 | 42 | 132 | 49 | 5 | 181 | | 70 | 127 | 65 | 17 |
| Boards, female: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alabama and Louisiana..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | | |
| Georgia..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | | |
| Illinois..... | 3 | 18 | 50.4 | | | | | | | 2 | | | 1 | 2 | 1 | 1 | 1 | 8 | 1 | | 1 | | | | | |
| Indiana..... | 2 | 18 | 47.9 | | 1 | | | | 1 | | 2 | | 4 | | | | | 8 | | | | | | | | |
| Massachusetts..... | 2 | 15 | 48.0 | | | | | | | | | | | 15 | | | | | | | | | | | | |
| Michigan..... | 2 | 12 | 30.9 | | 2 | 5 | 3 | | | | | | | | | | | | | | | | | | | |
| Minnesota and Wisconsin..... | 6 | 133 | 42.2 | 3 | | 3 | 3 | 9 | 14 | 20 | 7 | 44 | 4 | 4 | 8 | 14 | | | | | | | | | | |
| New Jersey..... | 3 | 55 | 40.6 | 1 | | | 3 | 15 | 22 | | 6 | | 1 | 3 | 3 | 1 | | | | | | | | | | |
| New York..... | 4 | 52 | 42.3 | | | | 4 | 7 | 10 | 1 | 3 | 4 | 2 | 20 | 1 | | | | | | | | | | | |
| North Carolina..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | | |
| Pennsylvania..... | 10 | 136 | 41.2 | 6 | 5 | 11 | 2 | 14 | 24 | 9 | | 4 | 2 | 3 | 3 | 51 | 1 | | 1 | | | | | | | |
| Tennessee..... | 2 | 35 | 37.8 | | 1 | 3 | 6 | 5 | 7 | 1 | 5 | 2 | | 1 | | | 1 | 2 | | 1 | | | | | | |
| Virginia..... | 1 | (1) | (1) | | | | | | | | | | | | | | | | | | | | | | | |
| All States..... | 38 | 516 | 42.0 | 13 | 10 | 24 | 23 | 38 | 72 | 55 | 16 | 71 | 14 | 45 | 19 | 18 | 55 | 11 | 15 | 2 | 13 | 2 | | | | |

¹Data included in total.

TABLE D.—Average and classified hours actually worked in one week in 11 specified occupations, 1928, by sex and State—Continued

UNDERWEAR

| Occupation, sex, and State | Number of establishments | Number of employees | Average hours actually worked in 1 week | Number of employees whose hours actually worked in 1 week were— | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--------------------------|---------------------|---|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|-------------------|----|-------------------|--------------|----|-------------------|----|-------------------|--------------|----|---------|---|
| | | | | Under 20 | 20, under 24 | 24, under 28 | 28, under 32 | 32, under 36 | 36, under 40 | 40, under 42 | 42, under 44 | 44, under 46 | 46, under 48 | 48 | Over 48, under 50 | 50 | Over 50, under 52 | 52, under 54 | 54 | Over 54, under 55 | 55 | Over 55, under 58 | 58, under 60 | 60 | Over 60 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Button hole makers, female: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 10 | 39.1 | | 1 | | 1 | 1 | 2 | | 1 | | 3 | 1 | | | | | | | | | | | | |
| Illinois | 3 | 11 | 43.9 | | | | | 2 | 1 | | 1 | 1 | 1 | | 4 | | | | | | | | | | | |
| Indiana | 3 | 9 | 41.3 | | 1 | | | 2 | 3 | | | 1 | 2 | | | | | | | | 1 | | | | | |
| Massachusetts | 4 | 26 | 42.3 | | | | | 1 | 2 | 4 | 3 | 14 | 1 | 2 | | | | | | | | | | | | |
| Michigan | 3 | 8 | 45.9 | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Minnesota and Wisconsin | 4 | 25 | 42.2 | | | | | 3 | 2 | | 10 | 2 | 2 | 3 | | | | | | | 1 | 3 | | | | |
| New Hampshire and Vermont | 3 | 17 | 44.9 | | | | | 1 | 4 | | 1 | 3 | 7 | | | | | | | | | | | | | |
| New York | 27 | 153 | 38.2 | 4 | 15 | 7 | 15 | 13 | 17 | 10 | 16 | 9 | 12 | 11 | 23 | | 1 | | | | | | | | | |
| North Carolina | 3 | 20 | 44.9 | | | | 1 | 2 | 3 | 9 | | | | | | | | | | | 2 | | | | 2 | |
| Pennsylvania | 13 | 36 | 46.5 | 1 | 1 | | 1 | 2 | 1 | 3 | 1 | 2 | 1 | | 2 | 6 | 2 | 10 | 2 | | | | 1 | | 2 | |
| Tennessee | 5 | 44 | 47.2 | 1 | | | | | 7 | | | | | | 13 | 3 | 9 | 6 | | | | | | | | |
| Virginia | 3 | 10 | 39.6 | | | 1 | 2 | | | | 1 | 2 | 3 | | 1 | | | | | | | | | | | |
| All States | 76 | 369 | 41.8 | 6 | 18 | 9 | 20 | 27 | 43 | 32 | 48 | 22 | 18 | 22 | 36 | 24 | 7 | 20 | 11 | | 3 | 1 | | | 2 | |
| Folders, female: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 19 | 25.5 | 10 | | 1 | | 1 | 3 | | | | 1 | | 2 | 1 | | | | | | | | | | |
| Illinois | 3 | 23 | 42.0 | 1 | | | 2 | | 2 | | 1 | 2 | 15 | | 2 | | | | | | | | | | | |
| Indiana | 3 | 12 | 43.0 | 1 | 1 | | | | | | 1 | | 6 | | | | 1 | | | | | | | | | |
| Massachusetts | 3 | 40 | 44.5 | | | | | 1 | 9 | | 7 | 4 | 11 | 8 | | | | | | | | | | | | |
| Michigan | 3 | 16 | 45.1 | 1 | | | | 2 | 1 | 2 | | | | | 1 | | 3 | 1 | 5 | | | | | | | |
| Minnesota and Wisconsin | 3 | 45 | 38.0 | 2 | | 1 | 5 | 13 | 4 | 7 | | 1 | | 7 | 5 | | | | | | | | | | | |
| New Hampshire and Vermont | 3 | 15 | 42.0 | 1 | | 1 | | | 1 | | 3 | 1 | | 4 | 2 | 2 | | | | | | | | | | |
| New York | 25 | 156 | 40.9 | 11 | | 9 | 4 | 8 | 13 | 17 | 14 | 19 | 13 | 24 | 10 | 4 | 10 | | | | | | | | | |
| North Carolina | 4 | 27 | 49.0 | | | | | | 1 | 3 | 1 | | 10 | 2 | | 4 | | | | | 3 | | | | 3 | |
| Pennsylvania | 6 | 50 | 45.2 | | | 1 | 2 | 1 | 8 | 7 | | 4 | 1 | 2 | 3 | 16 | | 5 | 2 | | | | | | | |
| Tennessee | 5 | 71 | 47.1 | | | 1 | | 9 | 4 | 4 | 2 | 3 | 2 | | 1 | 18 | 1 | 17 | 8 | | | | 1 | | | |
| Virginia | 3 | 14 | 36.8 | 1 | 2 | 2 | 1 | | | | | 1 | 7 | | | | | | | | | | | | | |
| All States | 66 | 488 | 42.3 | 28 | 3 | 16 | 14 | 35 | 46 | 41 | 23 | 36 | 61 | 45 | 30 | 41 | 18 | 24 | 15 | | 3 | 1 | | | 3 | |
| Knitters, web or tube, male: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connecticut and Rhode Island | 5 | 13 | 45.5 | 1 | | 1 | | 1 | | | | | | 3 | 2 | | | 1 | 3 | | | | | | | |
| Illinois | 3 | 8 | 59.7 | | | | | | | | | | 1 | | | 1 | | 1 | 1 | | | | | | | 4 |
| Indiana | 3 | 18 | 51.3 | | | | | | 2 | 1 | 1 | | | | | 1 | 2 | 4 | | 2 | 1 | 2 | 1 | 2 | 1 | 1 |

APPENDIX.—DEFINITIONS OF OCCUPATIONS

HOSIERY

Boarders receive the hose from the dyehouse in a damp condition and place them on either wooden or metal forms which are shaped to the outline of the leg and foot. When the hose are placed on wooden boards, they are afterwards piled on racks in a hot box or drying kiln, and when dry are removed and the hose stripped, that is, taken off the boards. The more common practice to-day is the use of steam-heated aluminum forms which stand upright in a row on a long table with the flat sides facing the boarder, each boarder usually working about 2 dozen forms. A boarder usually works on enough forms so that the first hose boarded by him will be dry by the time the last is covered, so that he may immediately return to the head of his line of forms and begin stripping. The interval between placing hose on the form and stripping depends on the weight and kind of yarn and the degree of moisture in the hose.

In recent years an automatic boarding machine has been placed in use whereby the boarder, instead of walking up and down the line of forms, stays in one position and draws the hose over the metal forms as they pass by, after which they travel slowly through a heated kiln or drying oven and upon emerging therefrom are automatically stripped. The boarder draws a hose over one of the forms, matches the position of the heel and the foot, of the heel splicings at the ankle, of the beginning of the rib or welt, and the line that the top of the welt makes across the form, with points marked on the form.

Folders fold hosiery in pairs for packing in cardboard boxes. In some establishments they also do the work of another occupation, such as inspector, mater, or boxer.

Inspectors draw each hose over a flat pattern or board elevated above a table which is fixed at one end so that it may be revolved. They examine hose for defects in knitting, looping, and seaming, cut off loose ends of thread, and decide whether defective hose shall be mended or rejected. In a number of mills employees in the various departments, such as knitting, boarding, seaming, etc., inspect the hose in the process of manufacture. In some mills they also do the mending or folding.

Knitters, automatic, operate automatic knitting machines which knit hose complete from top to toe. The machine shapes the heel or toe by knitting in a reciprocal manner, that is, backward and forward, starting on one-half of the needles only and narrowing down one loop on each oscillation until only one-third of the needles in the half arc are employed. This process is reversed for widening. Most of the machines are equipped so as automatically to knit the welt. These operators remove empty cones and replace with full cones of yarn, tie broken yarn, and watch for defects in the knitted fabric. Both men and women are employed in this occupation.

Knitters, full-fashioned, are of two kinds, "leggers" and "footers," and are the most skilled and highest paid of the wage earners in the industry.

Full-fashioned hosiery differs from seamless hosiery in that the fabric for the full-fashioned hosiery is seamed down the back of the leg from the top to the heel and on the bottom of the foot from the heel to the toe. The fabric is knitted on flat-bed machines of 18 to 28 sections, the number of sections determining the number of stockings (18 to 28) knitted at one time. The knitting is done in two successive operations by differently adjusted machines, the leg in one operation and the foot in the other. Only male employees are in these occupations.

(See also *Knitters, full-fashioned, footers*; *Knitters, full-fashioned, leggers*.)

Knitters, full-fashioned, footers, operate the same type of machine as leggers, receive the fabric after it has been put on the transfer bars by the toppers, and complete the hose by knitting the foot. Their duties consist of supervising toppers, in placing the stocking legs in the footing machines, measuring the fabric from time to time to insure the proper length of the foot, detaching the stockings from the machine when the foot is completed, removing empty cones and replacing with full ones, adjusting, replacing, and straightening defective needles, and watching the fabric for defects of any kind.

Knitters, full-fashioned, leggers, knit the first section of the hose or leg, including the top or hem, which is knitted first. As the knitting progresses the fabric is automatically narrowed at certain points by transferring stitches from the end needles on both sides of the machine toward the center.

Employees in this occupation thread each section of the machine, measure the fabric to determine the proper length of the welt, reset the first line of stitches on the needles holding the last line knit, thus forming the hem or welt, examine the fabric from time to time to see that the narrowing points come in the correct places, remove the fabric when knitted to the proper length, adjust, replace, and straighten defective needles, keep the machine supplied with cones of yarn, and watch the fabric for defects of any kind.

Knitters' helpers, full-fashioned, assist the full-fashioned knitters (footers and leggers) and work under their direct supervision. After successfully serving the required training period competent helpers are qualified for the position of full-fashioned knitters. Only male employees are found in this occupation.

Knitters, rib, operate machines which knit the ribbing or tops for seamless hosiery by alternating single and double lines of web. The double lines are called ribs. The operators place cones of yarn in the machine, thread the machine or join the ends of the thread from the cone to the end of the thread extending from the rib already in the machine, remove empty cones and replace with full cones, and watch the ribbing for defects. The ribbing is usually knit in the form of a long cylinder or tube, and the machine is so adjusted as to drop stitches at regular intervals to indicate where the ribbing is to be cut in lengths for tops of hose. In some mills the rib is knit flat. The machine automatically spreads or opens a row of the stitches for the transfer knitter to set up on the transfer ring.

Knitters, transfer.—The term is very descriptive of the work in this occupation for the reason that the rib tops, which are made on rib machines or toppers and cut in lengths, are transferred to the needles of the knitting machine and the balance of the leg and foot is knit onto this top. This rib section may be but 3 or 4 inches long for the tops of men's or children's hose, or it may be a full leg length for children's hose. The operator impales the stitches of the rib top, stitch by stitch, on the quills of a cylinder or transfer ring. The hollow quills of this transfer ring are equal in number to the needles of the knitting machine and are so shaped that they sheathe the needles of the latter when placed over them, so that the stitches when being transferred slip evenly over the knitting needles. After the transfer ring has been placed in the knitting machine the knitter slides the rib top from the quills of the transfer ring onto the needles of the knitting machine. The machine then automatically knits onto the rib top the remainder of the leg and the foot of the hose. The knitter removes empty cones and inserts full ones, ties broken yarn, and watches for defects in the fabric.

In some establishments the topping or, in other words, the placing of the rib tops onto the quills of the transfer ring is performed by a topper or helper.

Loopers.—In knitting the foot an opening is left across the toe of seamless and across the toe and heel of full-fashioned hosiery. Loopers operate a machine which closes the opening, making the hose appear as one piece.

The operator impales or transfers the stitches of the loose course at the end of the toe or at the heel to the points of quills which project horizontally from the looping machine, placing opposite or corresponding stitches from the two edges of the opening on the same quill. The machine is thoroughly automatic and is constantly revolving, the operator placing the stitches on the quills as the machine is moving. When the hose reach a certain point on the machine the two edges are automatically fastened together and an automatic cutting attachment removes all the excess fabric. Only women are employed in this occupation.

Machine fixers.—As the production in the hosiery establishment depends to a great extent upon serviceability of the various machines and to their proper upkeep, the occupation of machine fixer is an important one. He must have a thorough knowledge of the mechanical operations of the machines in his department and must be able to adjust and repair machines so as to cause a minimum amount of delay.

Their usual duties consist of changing or replacing needles, making adjustments, supervising the oiling and cleaning of machines, adjusting machines for changes in knitting—yarn, style, size, etc.—and supervising the repairing of broken parts and the reassembling of machines that have been repaired. Only men are employed in this occupation.

Menders.—Mending is a hand operation and is generally divided into two parts, called rough mending and fine mending. The rough menders are sometimes

called first menders or gray menders, as the work is performed before the hose is dyed. Fine mending is always performed after the hose has been dyed. Needle, yarn, and shears are the usual implements employed.

The duties of these employees consist in repairing dropped stitches and defective looping, sewing up small holes, cutting off loose ends, or remedying any other slight defect that can be done easily. Stockings containing large holes, serious defects in the fabric, etc., are put aside for a more drastic mending or else returned to the backwinder to be unraveled and the yarn again wound on a cone.

Menders usually average 40 dozen pairs per day. In some establishments this work is coupled with some other occupation such as inspecting or pairing. Only women are employed in this occupation.

Pairers or maters.—This is a hand operation and consists in the careful pairing or mating of hose in pairs so that they correspond in size, color, and texture. This is made necessary by the inequalities caused by the knitting, boarding, or dyeing. It occasionally happens that in the dyeing process some of the hose take the dye or bleaching preparation deeper than others, and it is for the purpose of obtaining two hose of the same shade for each pair that maters or pairers are usually employed.

The usual procedure in pairing is to lay a number of stockings out flat on a table, placing one stocking on top of another so that about an inch of each is left exposed. The pairer then compares other stockings, one by one, with those spread on the table and selects from the stack on the table the one which matches perfectly in color and the one which corresponds to the one in her hand in length of leg, length of foot, length of heel splicing or reinforcement, and length of rib or welt. At the same time she observes each pair for imperfections of any kind, laying imperfect ones aside to be sent to the menders. An experienced pairer who does no other work can pair about 80 dozen pairs per day. Practically all of the employees in this occupation are females.

Seamers, full-fashioned.—This is a sewing-machine operation and is usually performed by women. These employees operate a power sewing machine which joins together the two edges of a stocking after the toe and heel have been looped. They seam or stitch together the two edges of the bottom of the foot, starting at the toe and stopping at the point in the heel where the looping begins, then seam or stitch together the two edges of the leg, beginning at the top of the heel where the looping ends and continuing to the top of the hose. They also rip and reseat hose which were improperly seamed.

In seaming the leg care must be taken to match the two edges of the hose at certain points, such as the point where the high-spliced reinforcement on the heel stops, the point where narrowing begins, and the point where the reinforcement of the welt begins. An experienced seamer can seam from 35 to 50 dozen pairs per day.

Seamers, mock.—This is a sewing-machine operation and is always performed by women. These employees operate a power machine which sews a seam on the back of seamless hose starting at the reinforcement of the heel and continuing to the top of the hose. This is done to give the seamless hose the appearance of a full-fashioned hose.

Toppers, full-fashioned.—Near the lower edge of each stocking leg as it comes from the legger is a loose course of stitches which the employee sets up, stitch by stitch, on the quills of a transfer bar which is fastened upright on her table. She then ravel off the knitting which extends beyond this course and slips a similar bar down over the needles of the stationary bar, drawing the stitches from the stationary bar over the needles of the movable bar and placing the latter in a stationary rack on the side of her table. When she has a complete set topped she carries the bars to the footing machine and assists the footer in placing a transfer bar over the needles of each section, slipping the stitches over these needles, after which the transfer bar is removed. Usually there are two toppers to each footing machine, and an experienced hand will top about 20 dozen pairs per day. Men are seldom found in this occupation.

Welters.—These employees operate power sewing machines, and women are always employed on this operation. The welter turns in the top of a seamless hose and sews a welt or hem on a machine which uses an over-lock stitch. This is done to strengthen the hose and at the same time prevent the ends from raveling. This method is not so much used now as formerly and is only found in seamless mills. The later type of knitting machines is equipped with a device which automatically knits the welt or hem.

Winders.—Winding is the first operation in the hosiery mill and is the preparation of the yarn for the knitting machine by transferring it from bobbins or

other form in which it is received from the yarn mill to evenly wound cones. This is really a process of examining the yarn while it is being rewound, as the proper winding of the yarn on the cones is a very important step in the production of hosiery, and care must be exercised by the winder to see that the yarn is free from knots, lumps, "slugs," etc.

Winding is automatic, the operation being performed on a spindle-driven machine which requires but little attention from the operator. The machines vary in size from 6 to 48 spindles and are adjusted to wind the cone from 4 to 6 inches in diameter, usually about 15 to 17 inches high and holding from 2 to 3½ pounds of yarn each. During the process of winding the yarn is moistened by passing over a trough containing a solution of soap and water or other solution, or over wax, etc., in order to soften the natural gum therein thus giving the yarn greater strength. Tensions are so regulated as to cause the yarn to break in places where it is weak and to wind as tightly at the top or small part of the cone as at the base or large part. Continuous winding is possible because of the fact that each spindle is independent, making each cone independent of the others, so that when the cone is filled it may be stopped, removed, and another started in its place without interfering with or stopping any of the other cones. The chief duties of a winder, usually a woman, are to tie broken ends, replace empty bobbins, and remove the cones when filled.

Badly knitted hose which can not be economically mended are returned to the winding department, there to be unraveled and rewound, employees engaged on this work being called "ravelers" or "rewinders."

UNDERWEAR

Buttonhole makers use special power machines which cut the buttonholes at the same time they are being worked. In some mills the places for working the buttonholes are marked by employees other than the buttonhole maker, but the more modern practice is the use of a spacing gage which engages each preceding buttonhole. Only women are found in this occupation.

Button sewers operate special power machines. The buttons are placed in the machine by the operator and the power is then applied, the machine sewing the buttons on and cutting off the thread. In some plants the place for the button is marked on the garment by employees other than the button sewers, but the more general practice is for the button sewer to attach the buttons on predetermined centers with the use of a spacing gage that engages each preceding button. Women alone are employed in this occupation.

Cutters (hand), layers-up, and markers.—The fabric comes to the cutters in the form of a long flat tube or cylinder. These employees use hand shears, bench knives, or slot knives to cut the web into the required lengths. These lengths are then carefully spread out and placed in a stack or pile containing several dozen thicknesses. A wooden or cardboard form or pattern corresponding to the size of garment desired is then placed on top of the pile and an outline of this pattern is drawn with pencil or crayon on the top piece of fabric. In a few establishments these employees, in addition to cutting to length, laying-up, and marking, also cut out the garment. In some establishments cutters, hand, cut out the small pieces such as sleeves, cuffs, gussets, patches, etc. Both men and women are found in this occupation.

Cutters, power, use an electric-power, hand-controlled, portable machine having a revolving knife or disk cutter or a band knife which is operated through a slot in the table, the knives moving up and down through this slot while the web or fabric is being forced against it.

The duties of these employees are to take the stack or pile of fabric which has been cut to length, stacked, and marked by the cutters (hand), layers-up, and markers and cut out the garments according to the marking on the top of the pile. In a few establishments these employees do their own laying-up and marking in addition to cutting out the garment. In some establishments power knives or disk cutters are used to cut out the small pieces, such as sleeves, cuffs, gussets, etc. Both men and women are employed in this occupation, although men greatly predominate.

Finishers.—After a garment has been sewed together by the seamer it is ready for the finisher. These employees use power sewing machines to perform various kinds of sewing to strengthen or ornament the garment. Such employees may be known as tackers, reinforcers, facers, edgers, crocheters, collarette sewers, budders, stayers, double seaters, toppers, eyeleters, lace sewers or lacers, strap-pers, merrowers, shell finishers or shellers. Women alone are employed in this occupation.

Folders.—This operation, which consists of folding the garments and at the same time giving them a final inspection, is done both before and after the pressing operation. The work includes folding and pinning the garments in shape for packing. Men are seldom found in this occupation.

Hemmers use power sewing machines. This work is performed on shirts, drawers, and union suits; but the occupation is not found so often as formerly, the work now being largely combined with the finishing operations. The occupational term describes the nature of the work. On shirts the bottoms are turned back and stitched. On some types of drawers a hem is placed on the top, while in some instances the sleeves of shirts and union suits are finished with a hem. Only women are employed in this operation.

Inspectors examine the finished garment for imperfections in the knitting, such as dropped stitches and to see that all of the seams are joined properly. Defective garments are rejected and returned for correction or are classified as "seconds." Clipping the ends of threads and buttoning up are usually included in the work of inspectors. In a number of mills employees in the various departments, such as knitting, seaming, cutting, and finishing inspect the garment in the process of manufacture. In some plants inspecting and folding are done by the same employees. Women are generally employed in this occupation.

Knitters, cuff and ankle, operate rib-top or ribbing machines. These machines are single-feed, automatic, and with two banks of needles (dial and cylinder) designed especially for making rib tops. The rib is knit in a continuous cylinder or tube having any desired number of welts, stitches being dropped at intervals to indicate where the rib is to be cut later in lengths for use. Ribbed fabric, being more elastic, is better adapted for cuffs and ankles than flat fabric would be. In some establishments this ribbed fabric is knit on circular machines of practically the same circumference as the garment and later is cut and fashioned into cuffs and ankles.

The duties of these employees are to remove empty cones and replace with full cones of yarn, adjust the knitting needles, tie broken threads, and examine the fabric for any defects in the knitting. Both men and women are employed in this occupation.

Knitters, web or tube, operate either latch or spring needle machines which are cylindrical in shape and which vary in size from 6 to 36 inches, according to the size of the garment to be made. There are two kinds of fabric knitted for underwear, known as ribbed and flat. Both kinds of fabric can be made on either the spring or latch needle machines. For making the finer fabrics spring-needle machines are generally used, but for knitting coarse and medium-gaged fabrics latch-needle machines are decidedly preferable owing to their greater productive capacity. The advantage of a spring-knitted fabric is that it has more elasticity and will revert to shape better, but it is more expensive because the spring-needle machine is much slower in operation.

The term "ribbed" applies to fabric made with a double set of needles. The term "flat" refers to fabric made with a single set of needles. The products of the circular knitting machines, both ribbed and flat, are subdivided into balbriggan, jersey, and fleeces.

The duties of these employees are to take off the empty cones and replace with full cones of yarn, adjust the needles, tie broken threads, watch the fabric to insure the production of a smooth, even piece of cloth, and remove the rolls of knitted fabric when completed. Both men and women are employed in this occupation.

Machine fixers must have a thorough knowledge of the operations of the knitting, sewing and other power machines in their department, and must be able to make all necessary adjustments and repairs. Only men are employed in this occupation.

Menders repair defects which come largely from defective operations on the garment, and in the main, therefore, most of their work consists in repairing defective seams and welts and is performed on power sewing machines. This is the main difference between underwear and hosiery menders. In hosiery practically all of the mending is due to defective knitting, while in underwear most of the mending is caused by defective seaming or finishing. Women are always employed in this occupation.

Pressers.—There are several types of presses, the old-style hydraulic press, mangles, spring-bed presses, steam-heated power presses, and electric hand irons, both with and without steam connection. The character of the press is decided by the fabric and type of garment being made, the main consideration being to secure a superior finish without impairing the elasticity or reducing the

thickness of the fabric. Garments made from ribbed fabric are usually not given much pressure and are generally pressed after folding, while garments made from flat fabric are usually placed under considerable pressure and generally are pressed before folding, as it imparts a better finish. Electric hand irons are generally used for women's garments where the entire garment is not pressed. Both men and women are employed, although men predominate.

Press hands are generally found only in establishments operating the old-style hydraulic press. In this type of pressing stacks of alternating garments and pressing boards are placed in the machine, the power is applied, and when sufficiently pressed the pile is taken out and the procedure repeated. The duties of the press hands are to make these piles or stacks out of alternate garments and pressing boards and pass the same to the presser. After the garments have been kept in the machine a sufficient length of time they are taken out by the presser and returned to the press hands, who then remove the boards from between the garments. Both men and women are employed in this occupation.

Seamers.—This occupation includes both seamers and cover seamers. These employees use special power sewing machines. The seamer receives the various parts of the garment from the cutter and stitches them together. The cover seamer then takes the garment and with a double-needle machine, which flattens the seams and binds them down, runs over the same seam. This latter operation covers and strengthens the seams. The latest type of machine does both the seaming and the cover-seaming in one operation. Women alone are found in this operation.

Winders.—Winding is the first operation in the underwear mill. It is the preparation of the yarn for the knitting machine by transferring it from skeins, cops, or other form in which it is received from the yarn mill to evenly wound cones. Without good winding it is impossible to obtain good knitting, hence the winding operation may be regarded as the key to knitting.

Winding is automatic, the operation being performed on a spindle-driven machine which requires but little attention from the operator. The winding machine is usually fitted with an automatic lubricating apparatus, which consists of a trough containing a lubricant, in which a roller is rotated, carrying a small portion of the liquid on its outer surface, over which the yarn passes. This is done in order to soften the natural gum in the yarn, thus giving greater strength to the yarn and making it more plastic and preventing dropped stitches and imperfect knitting.

Tensions are so regulated as to cause the yarn to break in places where it is weak and to wind as tightly at the top or small part of the cone as at the base or large part. Continuous winding is possible because of the fact that each spindle is operated independently, making each cone independent of the others, so that when the cone is filled it may be stopped, removed, and another started in its place without interfering with or stopping any of the other cones.

The duties of a winder, usually a woman, are to examine the yarn while it is being rewound to see that it is free from knots, lumps, "slugs," etc., to tie broken ends, replace empty bobbins, and remove the cones when filled.

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 bulletins 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.]
- No. 494. Labor legislation of Uruguay.

Housing.

- *No. 158. Government aid to home owning and housing of working people in foreign countries. [1914.]
- No. 263. Housing of 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.
- No. 500. Building permits in the principal cities of the United States in 1928.

Industrial Accidents and Hygiene.

- *No. 104. Lead poisoning in potteries, tile works, and porcelain enameled sanitary ware factories. [1912.]
- No. 120. Hygiene of the painter's 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 stonecutters. [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. Occupational 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. 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. [1923.]
- No. 466. Settlement for accidents to American seamen. [1928.]
- No. 488. Deaths from lead poisoning, 1925-1927.
- No. 490. Statistics of industrial accidents in the United States to the end of 1927.

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. 390. 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. 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. 238. 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 26-28, 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.
- No. 501. Sixteenth, Cleveland, Ohio, September 18-21, 1928.

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. 495. Retail prices, 1890 to 1928.

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.

Safety Codes—Continued.

- No. 433. Safety codes for the prevention of dust explosions.
- 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 and 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 City. [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 cost of production and wages and hours of labor in the paper box-board industry. [1925.]
- No. 412. Wages, hours, and productivity in the pottery industry, 1925.
- No. 416. Hours and earnings in anthracite and bituminous coal mining, 1922 and 1924.
- 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 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 the slaughtering and meat packing industry, 1927.
- No. 476. Union scales of wages and hours of labor, 1927. [Supplement to Bul. No. 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.
- No. 487. Wages and hours of labor in woolen and worsted goods manufacturing, 1910 to 1928.
- No. 492. Wages and hours of labor in cotton-goods manufacturing, 1910 to 1928.
- No. 497. Wages and hours of labor in the lumber industry in the United States, 1928.
- No. 498. Wages and hours of labor in the boot and shoe industry, 1910 to 1928.
- No. 499. History of wages in the United States from colonial times to 1928.
- No. 502. Wages and hours of labor in the motor-vehicle industry, 1928. [In press.]
- No. 503. Wages and hours of labor in the men's clothing industry, 1911 to 1928. [In press.]

Welfare Work.

- *No. 123. Employers' 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. 458. 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. 453. Revised index numbers of wholesale prices, 1923 to July, 1927.
- No. 493. Wholesale prices, 1913 to 1928.

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.]

Women and Children in Industry—Continued.

- *No. 175. Summary of the report on conditions of women and child wage earners in the United States. [1915.]
- *No. 176. Effect of minimum-wage determination 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 Commissioners, 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.]
- No. 496. Workmen's compensation legislation of the United States and Canada as of January, 1929. With text of legislation enacted in 1927 and 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 organize 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 organization in Chile. [1928.]
- No. 462. Park recreation areas in the United States. [1928.]
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